KA Lite Documentation

Release 0.15

FLE

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Contents

1 KA Lite Installation Guides **3**
- 1.1 Windows . . . 3
- 1.2 Mac OS X . . . 3
- 1.3 Linux . . . 4
- 1.4 Uninstalling . . . 6
- 1.5 Release Notes . . . 7
- 1.6 Advanced installation options . . . 9
- 1.7 System requirements . . . 11

2 User Manual **13**
- 2.1 Administrator User Manual . . . 13
- 2.2 Coach User Manual . . . 59
- 2.3 Learner User Manual . . . 64
- 2.4 Introduction . . . 66

3 Frequently Asked Questions **69**
- 3.1 How do I install KA Lite? . . . 69
- 3.2 How much does KA Lite cost to install? . . . 69
- 3.3 How do I report a problem? . . . 69
- 3.4 How do I change KA Lite's content folder? . . . 69
- 3.5 Is there somewhere I can find Spanish language content organized by topic? . . . 69
- 3.6 I would like to download the videos for KA Lite via BitTorrent, is this possible? . . . 69
- 3.7 How can I install a language pack without a reliable internet connection? . . . 70
- 3.8 Do I need the internet to run KA Lite? . . . 70
- 3.9 How do you operate in the field? . . . 71
- 3.10 What are the typical deployment scenarios? . . . 71
- 3.11 What are some possible hardware configurations for deploying KA Lite? . . . 71
- 3.12 What sort of processing power is required for KA Lite? . . . 71
- 3.13 What are the operating system (OS) and software requirements for running KA Lite? . . . 71
- 3.14 What is data syncing? . . . 72
- 3.15 Who maintains the KA Lite project? . . . 72
- 3.16 What is KA Lite's affiliation with Khan Academy? . . . 72
- 3.17 How can local curriculum be generated? . . . 72
- 3.18 How is it possible to compress the content into KA Lite? . . . 72
- 3.19 What languages is KA Lite available in? . . . 72
- 3.20 Can I contribute to KA Lite as a developer? . . . 72
- 3.21 Can I contribute to KA Lite as a translator? . . . 72
- 3.22 Can I contribute even if I don't know how to code? . . . 73

3.23 How do I find out more? . . . 73
3.24 How does Learning Equality measure the impact of KA Lite? . . . 73
3.25 Backing up data: is there any easy way to do it locally? . . . 73
3.26 I skipped the step for downloading the assessment items during install, how can I do it now? . . . 73

4 Contributing and Development **75**
4.1 How can I contribute to... . . . 75

5 Developer Docs **77**
5.1 Setting up your development environment . . . 77
5.2 Front End Code . . . 78
5.3 Modularity . . . 78
5.4 Building Frontend Code . . . 79
5.5 Implementing with Backbone . . . 79
5.6 Creating Your Own Backbone View . . . 81
5.7 TL;DR (or 7 quick steps to creating a Backbone View in KA Lite) . . . 82
5.8 Purpose and creation of Javascript Unit Tests in KA Lite . . . 83
5.9 Behavior-Driven Integration Tests . . . 85
5.10 Profiling KA Lite . . . 86
5.11 Developer Utility Commands . . . 87
5.12 Logging . . . 87

6 KA Lite **89**
6.1 Primary use cases include: . . . 89
6.2 We would love for you to get involved! . . . 89
6.3 License information . . . 90

Welcome to the KA Lite Documentation page! Here, you will find all the information needed to set up the KA Lite software. Additionally, there's information on how to manage KA Lite and how to perform role-specific tasks. If you have any questions that are not addressed by the documentation and you have access to the Internet, please be sure to check our FAQ or Forums!

CHAPTER 1

KA Lite Installation Guides

Hello! If you know what OS you're installing on then click ahead.

1.1 Windows

1. Download the KA Lite Windows installer.
2. Double-click the downloaded .exe file, and the wizard window will appear to guide you through the process of installing KA Lite on your server.

Upgrading KA Lite over an existing installation is easy – just run the installer and follow the prompts! You don't need to uninstall your old KA Lite installation first.

1.2 Mac OS X

Warning: The latest OS X version (EL Capitan) is not yet supported.

1.2.1 Installation

1. Download the KA Lite OSX installer.
2. After the download is complete, double click the .dmg file.
3. Click the `Agree` button to accept the LICENSE agreement.
4. On the .dmg window, drag the `KA-Lite Monitor` app into the `Applications` folder.
5. Launch `KA-Lite Monitor` from your `Applications` folder.
6. On first load, it will check your current environment and show the Preferences dialog.
7. Input your preferred administrator username and password, then click the `Apply` button in `KA-Lite Preferences` dialog.
8. You will be prompted that initial setup will take a few minutes, click the `OK` button and wait for the notification that KA-Lite has been setup and can now be started.
9. Click on the KA-Lite logo icon on the menu bar and select the `Start KA-Lite` menu option.
10. Wait for the notification that you can now click on `Open in Browser` menu option.

11. Click on the KA-Lite logo icon on the menu bar and select `Open in Browser` menu option - this should launch KA-Lite in your preferred web browser.
12. Login using the administrator account you have specified during setup.

1.2.2 Upgrade

To upgrade an existing KA Lite installation.

1. Download the KA Lite OSX installer.
2. After the download is complete, double click the .dmg file.
3. Click the `Agree` button to accept the LICENSE agreement.
4. On the .dmg window, drag the `KA-Lite Monitor` app into the `Applications` folder.
5. Give confirmation to overwrite the existing app.
6. Launch `KA-Lite Monitor` from your `Applications` folder.

Tip: If the sidebar shows entries that are greyed-out, the child items of the entry may be videos that were not yet downloaded. If there are assessment items inside, then you need to extract the *assessment.zip* manually:

1. Launch `KA-Lite Monitor` from your `Applications` folder.
2. Click on the app icon at the menu bar.
3. Click on `Preferences` in the menu option.
4. Go to `Advanced` tab, click on the `Extract Assessment` button, then confirm the action.
5. Restart the server, login to the web app, then check the sidebar contents.

This will enable the greyed-out assessment items on the sidebar.

1.3 Linux

1.3.1 Main method: Ubuntu/Debian .deb

Download the latest .deb manually from our server. After that, you can install the .deb file like this:

```
sudo dpkg -i FILENAME.deb
```

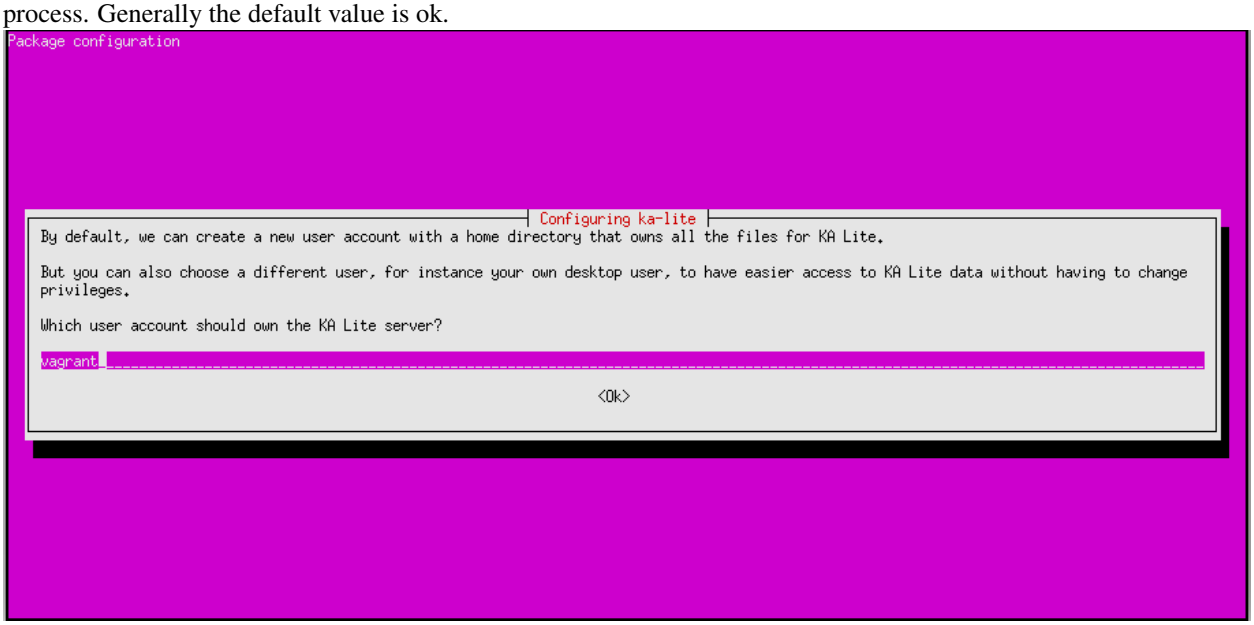
Warning: Double-clicking the .deb in Ubuntu will open it in Ubuntu Software Center. This will fail on a default installation due to a bug in Ubuntu. To make it work, you need to install `libgtk2-perl`, for instance by running `sudo apt-get install libgtk2-perl`. After that, make sure Software Center is closed and double-click the .deb file.

`FILENAME` should be replaced with the name of the file you downloaded. The file may be named as if it was intended for Ubuntu but works just as well for any other Debian-based systems like Debian, Raspberry Pi, Linux Mint etc.

You will be prompted to enter some configuration information. You should read the on-screen instructions carefully, but some explanation is included here:

1. You will be asked to choose to run KA Lite on boot or not. We recommend choosing yes, as it simplifies data management. If you choose no, you must manually start KA lite every time. Note that running KA Lite as different users creates different sets of data files, so it's recommended that you run KA Lite as the same user every time.

2. If you chose to start on boot in the previous step, you will be prompted to choose the owner for the KA Lite server process. Generally the default value is ok.



3. You will be asked to review your choices, and finally KA Lite will start automatically when installation is complete.

Tip: If you want to receive automatic updates from online sources, you can also use *Debian/Ubuntu: Subscribe to updates through a PPA*.

1.3.2 Raspberry Pi

For a Raspberry Pi running a Debian system, you can install the special Debian package `ka-lite-raspberry-pi`.

It can be installed by downloading the latest .deb on the Pi and installing it:

```
# Install dependencies
sudo apt-get install python-m2crypto python-pkg-resources nginx python-psutil
# Fetch the latest .deb
sudo wget https://learningequality.org/r/deb-pi-installer-0-15 --no-check-certificate --content-dispo
# Install the .deb
sudo dpkg -i ka-lite-raspberry-pi*.deb
```

You can also add the PPA, see *Debian/Ubuntu: Subscribe to updates through a PPA*, and then run `sudo apt-get install ka-lite-raspberry-pi`.

After installing, you can setup a Wifi hotspot using this guide: *Raspberry Pi Wi-Fi*

1.3.3 Other options

KA Lite is available for all platforms (e.g. non-Debian compatible platforms) through PyPi. See *Generic installation (pip install)*.

1.3.4 Configuration after installation or update

Every time you install or update KA Lite, you must run `kalite manage setup` command again to setup the database and download assessment items (video descriptions, exercises etc.).

1.4 Uninstalling

1.4.1 Windows

1. Uninstall KA Lite from the Control Panel.
2. In Windows XP, double-click the "Add or Remove Programs" icon, then choose KA Lite.
3. In later version of Windows, click the "Programs and Features" icon, then choose KA Lite.

1.4.2 Mac OSX

1. Launch `KA-Lite Monitor` from your `Applications` folder.
2. Click on the app icon at the menu bar.
3. Click on `Preferences` in the menu option.
4. Click the `Reset App` from the `Advanced` tab.
5. You will be prompted that "This will reset app. Are you sure?", just click on `OK` button.
6. Another dialog will appear asking your `Password`, type your password then click on `Ok` button.
7. Quit the `KA-Lite Monitor` app (do not click the `Apply` button!).
8. Move the `KA-Lite Monitor` app to `Trash`.

1.4.3 Linux: Debian/Ubuntu

Option 1: Open up **Ubuntu Software Center** and locate the KA Lite package. Press `Remove`.

Option 2: Use `apt-get remove <name of package>`. You have to know which package you installed, typically this is `ka-lite` or `ka-lite-bundle`.

1.4.4 Installed with pip

You can remove KA Lite (when installed from pip or source distribution) with `pip uninstall ka-lite` or `pip uninstall ka-lite-static` (static version).

1.4.5 Removing user data

Some data (like videos and language packs) are downloaded into a location that depends on the user running the KA Lite server. Removing that directory can potentially reclaim lots of hard drive space.

On Windows, the HOME and USERPROFILE registry values will be used if set, otherwise the combination `%HOMEDRIVE%%HOMEPATH%` will be used. You can check these values from the command prompt using the commands `echo %HOME%`, `echo $USERPROFILE%`, etc. Within that directory, the data is stored in the `.kalite` subdirectory. On most versions of Windows, this is `C:\Users\YourUsername\.kalite\`.

On Linux, OSX, and other Unix-like systems, downloaded videos and database files are in `~/.kalite`.

1.5 Release Notes

1.5.1 0.15.0

General

Python 2.6 is no longer supported. It *may* still work, but we are no longer actively supporting it. Other known issues:

- The latest OSX version (EL Capitan) is not yet supported.
- On OSX, you must restart the server after downloading videos in order for them to be marked as available.
- On all platforms, you must restart the server after downloading a language pack in order to use it.
- You can no longer configure your server using `local_settings.py`. Instead, custom settings must appear in `settings.py` in the user's `.kalite` directory.

1.5.2 0.14.0

General

Installation from source (using `git`) is no longer supported. If you have previously installed from source, in order to upgrade you must first install KA Lite again in a new location using one of the supported installers. Then you can migrate your database and content from your old installation to your new one using the command:

```
kalite manage setup --git-migrate=/path/to/your/old/installation/ka-lite
```

You *must* use the `kalite` command that comes with your new installation. The path you should specify is the base project directory – it should contain the `kalite` directory, which should in turn contain the `database` directory. Follow the on-screen prompts to complete the migration. You should then no longer use the old installation, and should consider deleting it.

1.5.3 0.13.0

General

Interacting with the system through `kalite/manage.py` has now been deprecated. Please use the kalite executable under the `bin/` folder. Run `bin/kalite -h` for more details.

If you are pulling the source from git, you will need to run the setup command to complete the upgrade. From the base directory run:

```
bin/kalite manage setup
```

On Windows, use the `bin\windows\kalite.bat` in the cmd.exe prompt:

```
bin\windows\kalite.bat manage setup
```

When you are asked whether or not to delete your database, you should choose to keep your database! You will also be prompted to download an assessment items package, or to specify the location if you have already downloaded it. If you wish to download the package and specify the location during the setup process:

- Download the assessment items package here. Save it in the same folder as the setup script.
- During the setup process you will see the prompt "Do you wish to download the assessment items package now?". Type "no" and press enter to continue.
- You will then see the prompt "Have you already downloaded the assessment items package?". Type "yes" and press enter.
- Finally, you will see a prompt that begins with "Please enter the filename of the assessment items package you have downloaded". A recommened file may appear in parentheses – if this is the file you downloaded, then press enter. Otherwise, enter the name of the file you downloaded. (Absolute paths are okay, as are paths relative to the directory you are running the setup script from.)

Windows

Warning: Internet Explorer 8 is no longer supported in this version. Please use a newer browser, or stick to version 0.12 to maintain compatibility.

Raspberry Pi

If you're updating a current Raspberry Pi installation, make sure to put this in your `local_settings.py` to avoid slow performance:

DO_NOT_RELOAD_CONTENT_CACHE_AT_STARTUP = True

1.6 Advanced installation options

Note: Every time you install or update kalite, you should (re)run `kalite manage setup` to setup the database and download assessment items (video descriptions, exercises etc.).

1.6.1 Debian/Ubuntu: Subscribe to updates through a PPA

We maintain a PPA on Launchpad and if you are connected to the internet, this will also give you automatic updates:

```
sudo apt-get install software-properties-common python-software-properties
sudo add-apt-repository ppa:learningequality/ka-lite
sudo apt-get update
sudo apt-get install ka-lite
```

1.6.2 User interface for Debian/Ubuntu

Make sure you have the PPA added, then run:

```
sudo apt-get install ka-lite-gtk
```

1.6.3 Development

A guide recommending how to install KA Lite for development is available in *Setting up your development environment*.

1.6.4 Generic installation (pip install)

Installing through pip or with setup.py

For command line users with access to pip, you can install KA Lite from an online source like this:

```
$> pip install ka-lite
```

Static version

If you need to run KA Lite with static dependencies bundled and isolated from the rest of your environment, you can run:

```
$> pip install ka-lite-static
```

Portable tarballs / zip files with setup.py

Adequate to the online source, you can fetch a zip/tarball directly from *PyPi <https://pypi.python.org/pypi/ka-lite-static>*. Do this for the sake of carrying KA Lite on an offline media for use on systems that are not capable of installing the .exe/.dmg/.deb formats.

A .tar.gz or .zip is unpacked and from command line inside the unpacked directory, run:

```
$> sudo python setup.py install.
```

Beware that the PyPi sources do not contain assessment items, you need to download khan_assessment.zip manually (~350 MB).

1.6.5 Specific system setups

Raspberry Pi Wi-Fi

Note: Two Wi-Fi USB modules have been tested with KA Lite on the Raspberry Pi

- Raspberry Pi WiPi adaptor
- Edimax EW-7811Un

In our tests, we found that the WiPi adaptor supported a higher number tablet connections.

Note: The Raspberry Pi may crash if the USB adaptor is inserted or removed while the computer is switched on.

- Make sure to shutdown and remove the power from the Raspberry Pi.
- Afterwards, insert the wireless USB adaptor.
- Lastly, switch the Raspberry Pi on.

---

1. Install the .deb package, see *Raspberry Pi*.
2. **Get the network configuration scripts.**
   - `cd /opt`
   - `sudo git clone https://github.com/learningequality/ka-lite-pi-scripts.git`
3. Install and configure the access point:

```
cd /opt/ka-lite-pi-scripts
sudo ./configure.sh
```

   Note: If using the Edimax EW-7811UN, ignore the "hostapdSegmentation fault" error.

   ---

4. **Install the USB adaptor software.**
   - **If using the WiPi, run this command::** cd /opt/ka-lite-pi-scripts sudo ./use_wipi.sh
   - **If using the Edimax EW-7811Un, run this command:**
     - `cd /opt/ka-lite-pi-scripts`
     - `sudo ./use_edimax.sh`
5. **Complete the access point configuration**
   - `sudo python ./configure_network_interfaces.py`
   - `sudo insserv hostapd`
6. **Finally**
   - `sudo reboot`
   - A wireless network named "kalite" should be available.

- Connect to this network
- If the KA Lite server is started, browse to 1.1.1.1

Nginx / Apache setup

This section is written for the Django-knowledgable crowd.

KA Lite includes a web server implemented in pure Python for serving the website, capable of handling hundreds of simultaneous users while using very little memory. So you don't have to run Apache or Nginx for efficiency.

Apache configuration, using mod_wsgi, example would work for an Ubuntu .deb installation:

```
<VirtualHost *:80>
    ServerName kalite.com
    DocumentRoot /var/www/html/

    Alias /static /var/www/.kalite/static
    Alias /media /var/www/.kalite/media

    WSGIScriptAlias / /usr/lib/python2.7/dist-packages/kalite/project/wsgi.py

    # Possible values include: debug, info, notice, warn, error, crit,
    # alert, emerg.
    LogLevel warn

    ErrorLog ${APACHE_LOG_DIR}/kalite-error.log
    CustomLog ${APACHE_LOG_DIR}/kalite-access.log combined
</VirtualHost>
```

If you are using uwsgi+Nginx, this is the critical part of your uwsgi configuration, provided that you have installed kalite from PyPi or .deb:

```
module = kalite.project.wsgi
```

Remember that kalite runs in user space and creates data files in that user's home directory. A normal Debian/Ubuntu system has a www-data user for Apache which is the default user for mod_wsgi and will create database files, static files etc. for kalite in `/var/www/.kalite/`. If you run it as another user, it may be located somewhere else.

Note: Log in as the Django application server's user, e.g. www-data and initialize the kalite static files and database before anything you can run kalite with uwsgi / mod_wsgi !

Example of setting up kalite for the www-data user:

```
$> sudo su -s /bin/bash www-data
$> kalite manage setup
$> exit
```

1.7 System requirements

Note: The latest OSX version (EL Capitan) is not yet supported.

1.7.1 Supported Browsers

KA Lite is currently *not* supported on Internet Explorer version 8 or lower. You must use IE9 or later. You can also use KA Lite on browsers like Firefox, Chrome, and Safari! There are no known issues with current versions of these browsers.

CHAPTER 2

User Manual

The user manual is organized by the different "user types" within KA Lite. If you know which user manual you'd like to see, click to jump to a specific manual:

2.1 Administrator User Manual

Who is an "administrator"?

A person who :

- helps to plan and oversee a project using KA Lite
- installs and updates KA Lite
- can create Coach logins, Learner logins, download videos and language packs

2.1.1 Administrator Glossary

If you choose to register online, these important terms will help you better understand the flow of data between your installations and the online data hub.

Sharing Network A Sharing Network is a group of devices that share user data. This data is synced to the central server when an Internet connection is available, and then synced down onto other devices in the same Sharing Network.

Organization An organization is a group of people responsible for administering a set of Sharing Networks. An organization can have multiple administrators and manage multiple sharing networks.

Facility A facility is the physical space in which a device is located (e.g. a school or a computer lab in a community center). Learner, coach, and admin accounts are associated with a particular facility.

Device A device should be able to run a KA Lite server (most computers) and other devices to be used as clients. One common configuration is using a Raspberry Pi or other inexpensive computer as a server and relatively cheap tablets as client devices. Tablets can access the servers through an access point, such as a Wi-Fi dongle, or some other networking device such as a router.

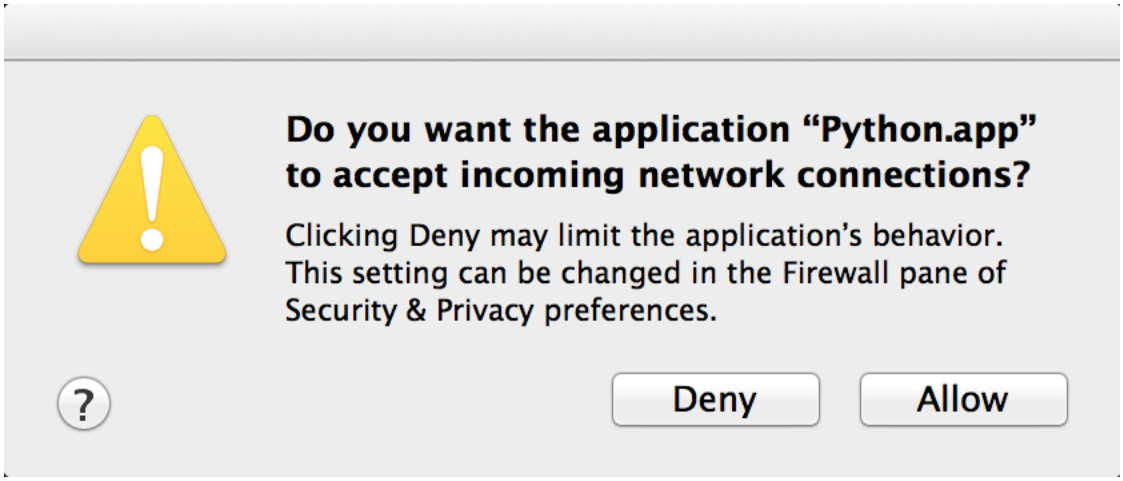
Web Browser A program that retrieves and presents information resources on the World Wide Web. Popular web browsers include Internet Explorer, Google Chrome, Mozilla Firefox, and Safari.

2.1.2 Running the KA Lite Server

At the very end of the setup, you have been prompted to run kalite. Make note of the command to run the server, which was also mentioned. Usually it's just `kalite start`.

Windows or OSX behind a Firewall

During the process, your operating system might prompt you to allow "Python.app" to accept incoming connections. The message dialogue may look like the following, depending on your operating system:



Please allow the app to run. This will make it possible for the KA Lite application to be accessible.

2.1.3 Accessing KA Lite

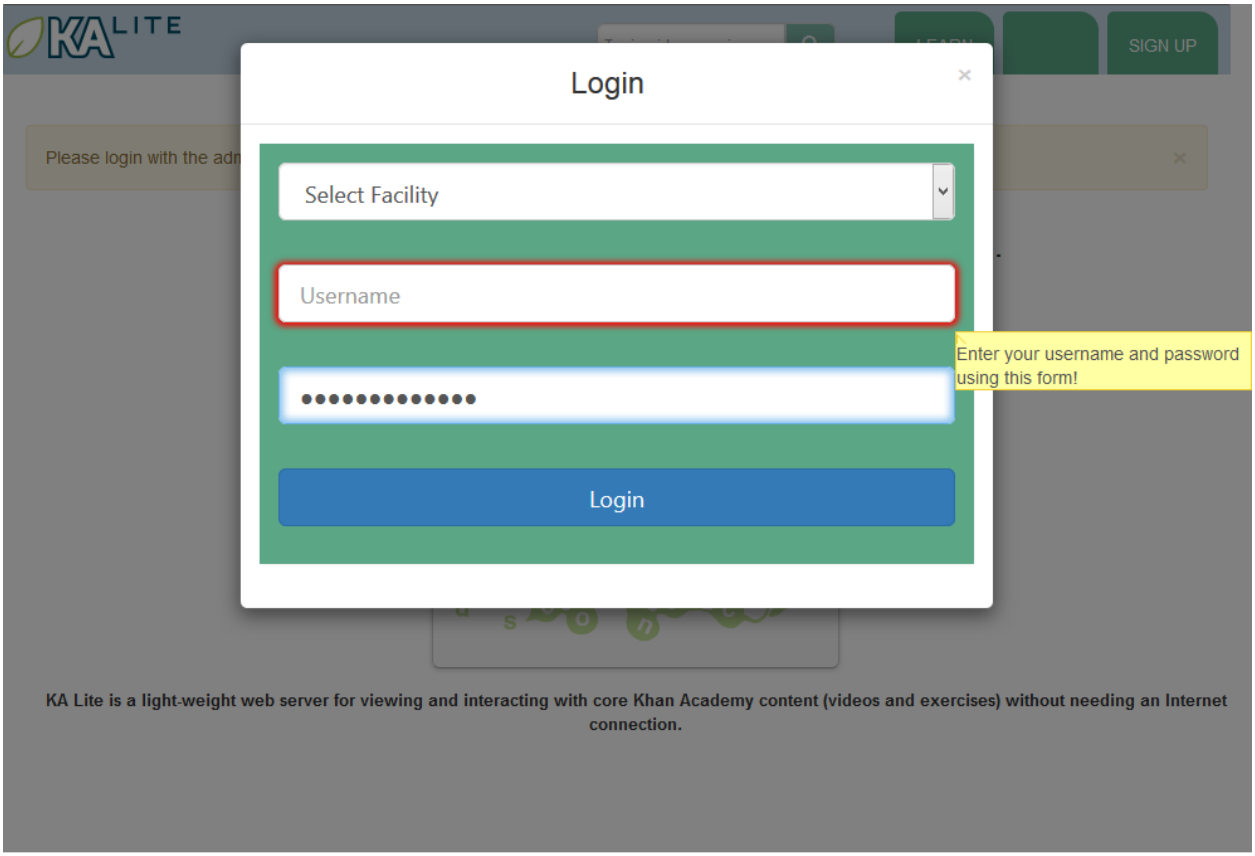
Once the server has been started, you will be given a few IP addresses. You can use these addresses to access KA Lite by copying and pasting them into a web browser of your choice.

In order to access KA Lite from another machine, please enter the IP address that does *not* start with http://127.0.0.1:8008 into the web browser on that machine.

2.1.4 Setting up KA Lite

Once you have successfully installed KA Lite, the installation script should give you a URL (http://127.0.0.1:8008/) to visit so that you can open KA Lite and login for the first time.

Copy and paste the URL into a web browser. The KA Lite application should show up. Then, login to KA Lite using the username and password you created during the installation process.



- If you have forgotten the username/password combination, simply run `kalite manage createsuperuser` and then follow the instructions.

Once you've logged in, the next step in the setup process is registering your device with the KA Lite Hub.

Registering Your Device with the Hub

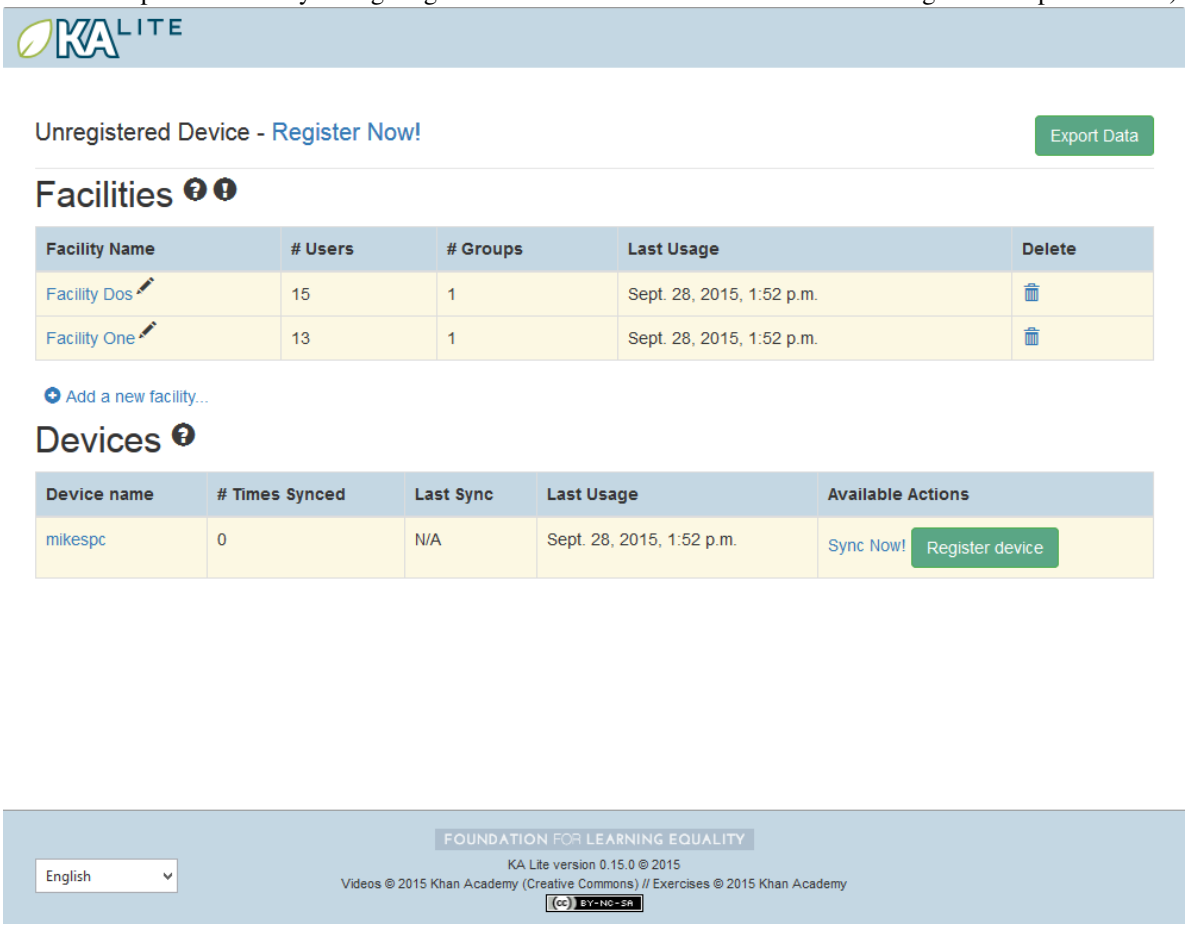
By registering your device with FLE, you can sync data back with our central data hub. This is useful for many reasons:

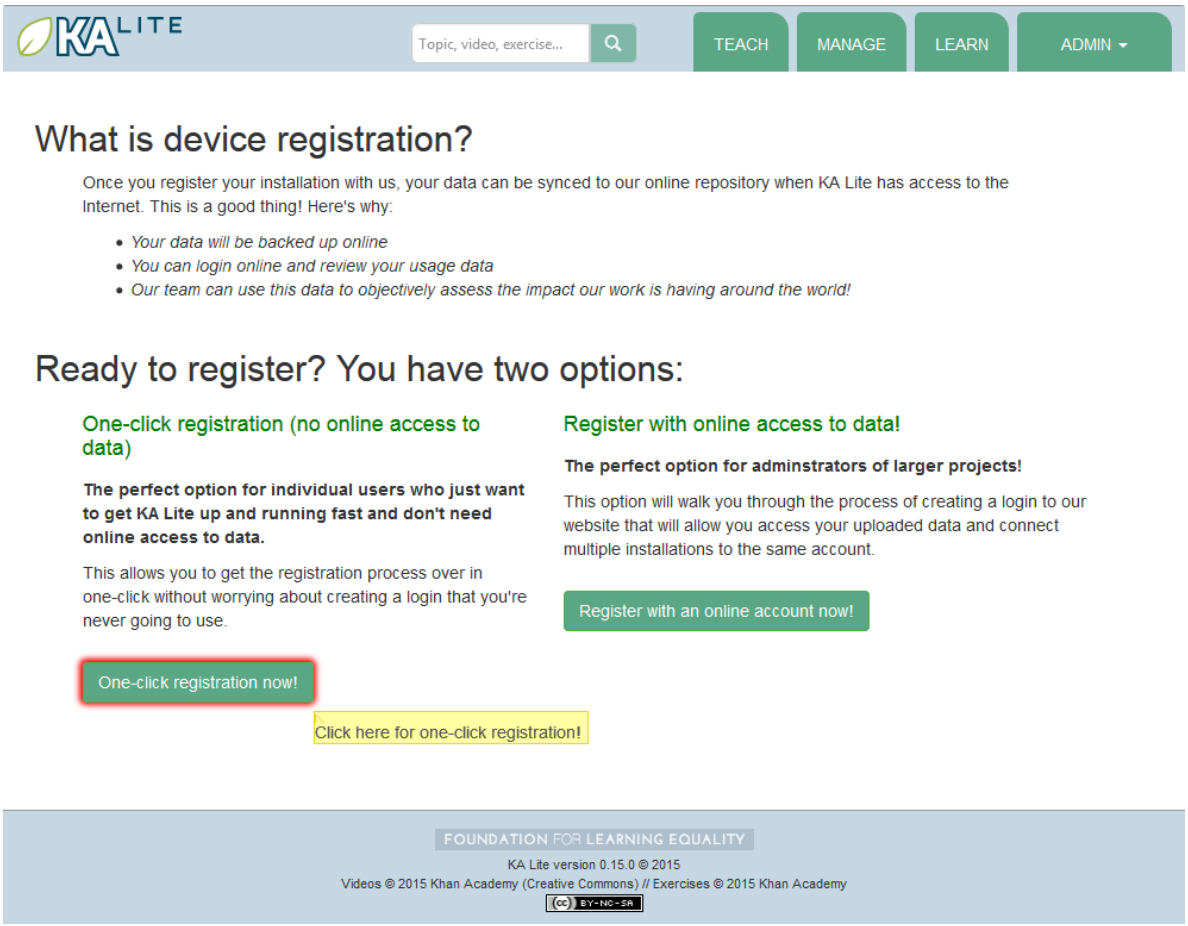
1. a project administrator can manage user accounts and view usage data from afar, without needing to physically visit the offline device.
2. usage data syncing back can inform the FLE team of multiple users in a certain geographic region, and we can connect people that might be able to help one another
3. it helps FLE and our partners understand where and how the software is being used, so we can keep adding features that support you!

You will have two options:

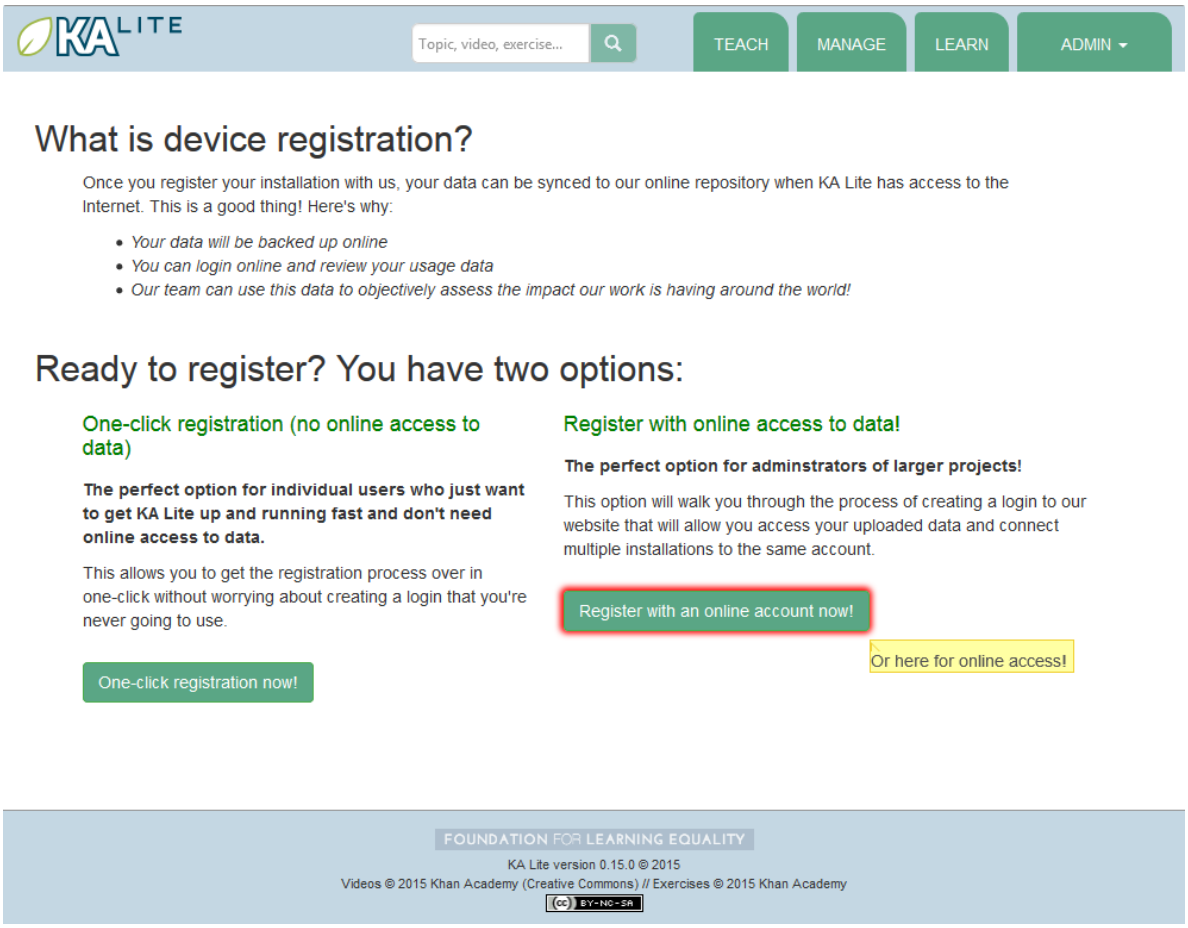
1. **One click registration**. This is the perfect option for individual users who just want to get KA Lite up and running fast, and don't need online access to data. This allows you to get the registration process over in one-click without worrying about creating a login that you're never going

to use. **Caution**: if you choose to one-click register, you will unable to register with online access to data later. (If you chose this option by accident and would like to start over, you can rerun the setup command by navigating to the folder KA Lite is in and rerunning the setup command).





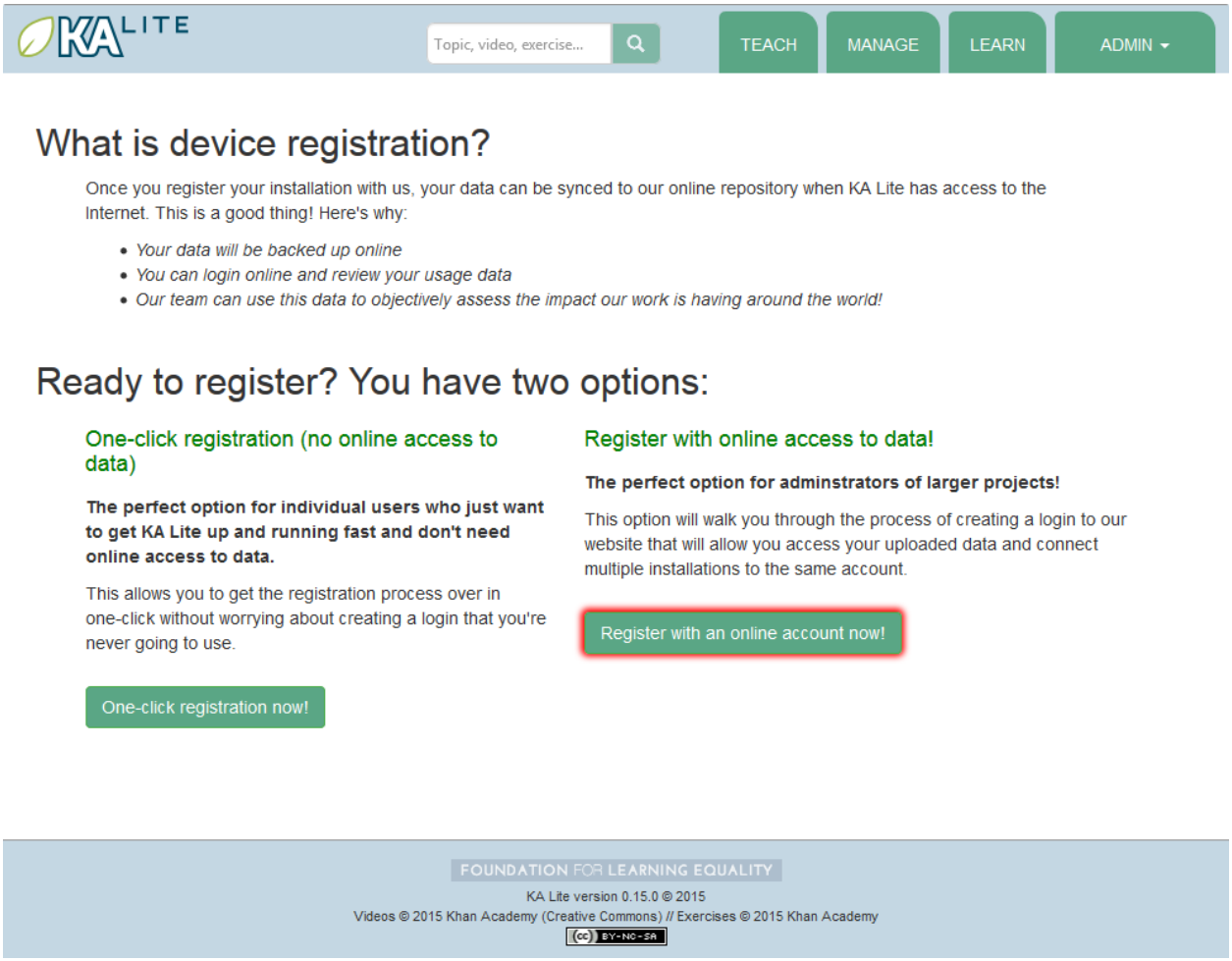
2. **Register with online access to data**. Choose this option if you're an administrator of larger projects. This option allows you to access your uploaded data and connect multiple installations to the same account.



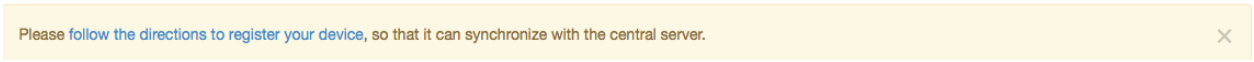
How to register your device with online access to data

Note: You will need Internet access in order to perform these steps.

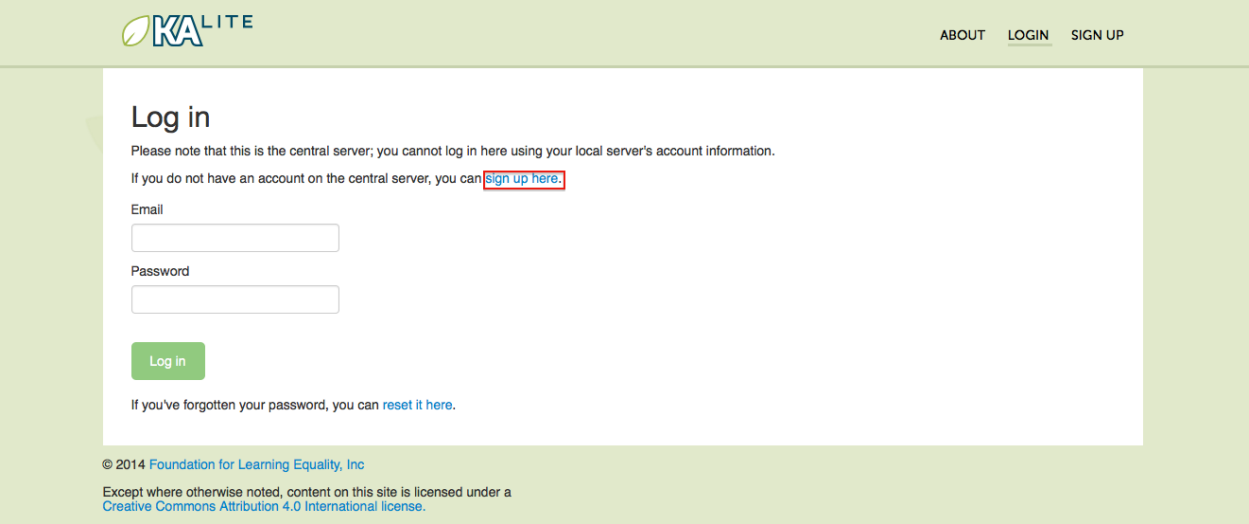
1. Log into KA Lite with the username and password that you set during set-up.
2. If you have not already registered your device, you will be redirected to a page that shows you your options. Click the “Register with an online account now!” button to get started with the registration process.



If you do not see this page, click on the "Manage" tab. At the top of this page, you should see a link to register your device. It should like like the following:



You will be prompted to log in with your central server login credentials. Please note that these credentials are different from your login credentials created during set-up. Click on the "Sign up here" link, and you will be redirected to a page that prompts you to create an account on the central server.



Once you have filled out the form and submitted it, you will be sent an activation link via the email address you supplied.

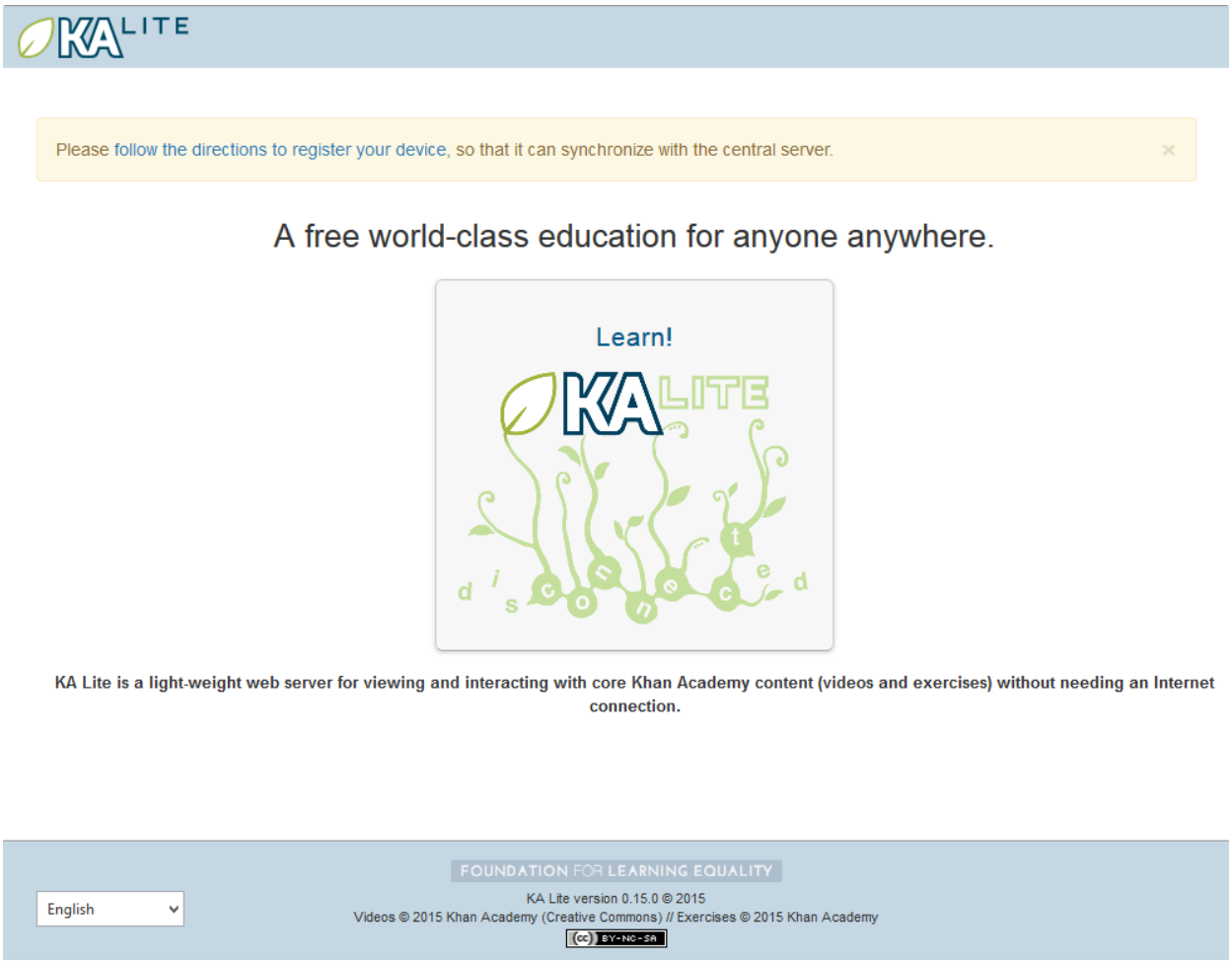
2.1.5 Post Registration Setup

Now that you have registered successfully, it's time to configure your local KA Lite installation to suit your needs. If any terms like 'facility' or 'device' become confusing, feel free to reference the *Administrator Glossary* for a quick reminder.

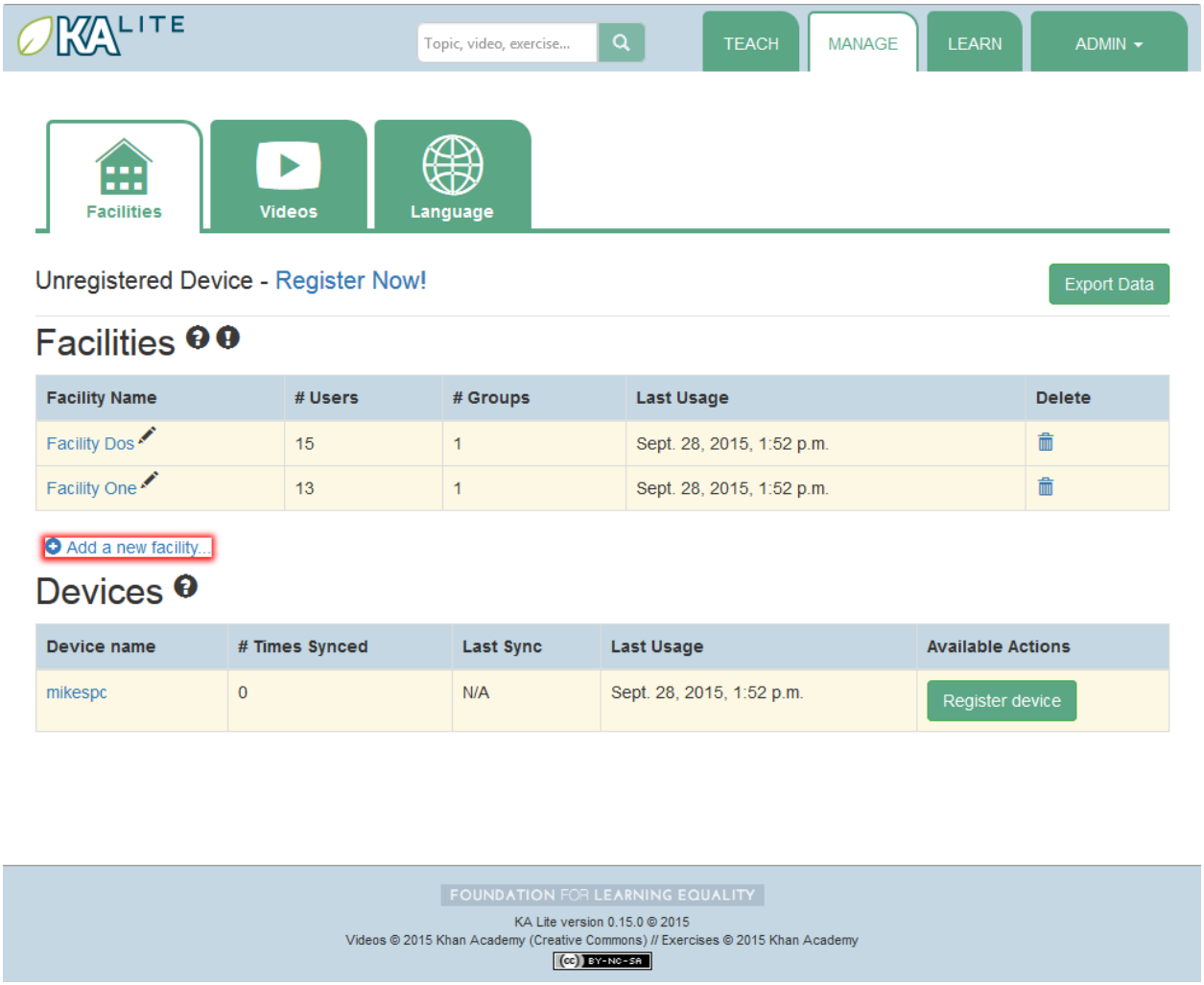
2.1.6 Create a Facility

KA Lite assumes that you are going to be using the software primarily in one place. This could be a school, a home, a community center, etc. We call this place a "facility", and use it to help differentiate users who are syncing back data with our central data hub. In order to create a facility, follow the steps below.

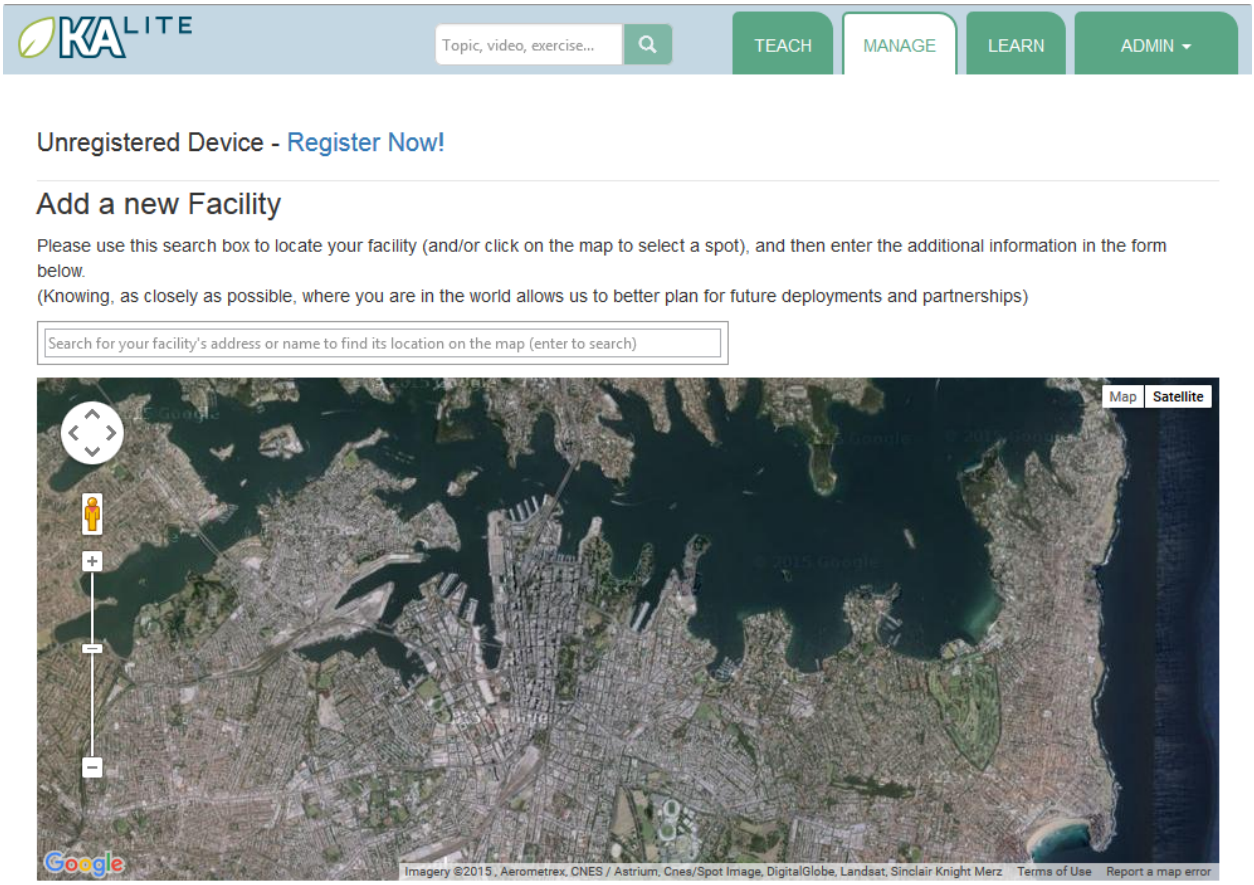
1. Log in to KA Lite.
2. Click the "Manage" tab at the top of the page.



3. Make sure that the “Facilities” tab is selected.
4. Under the Facilities section, click on “Add a new facility...”



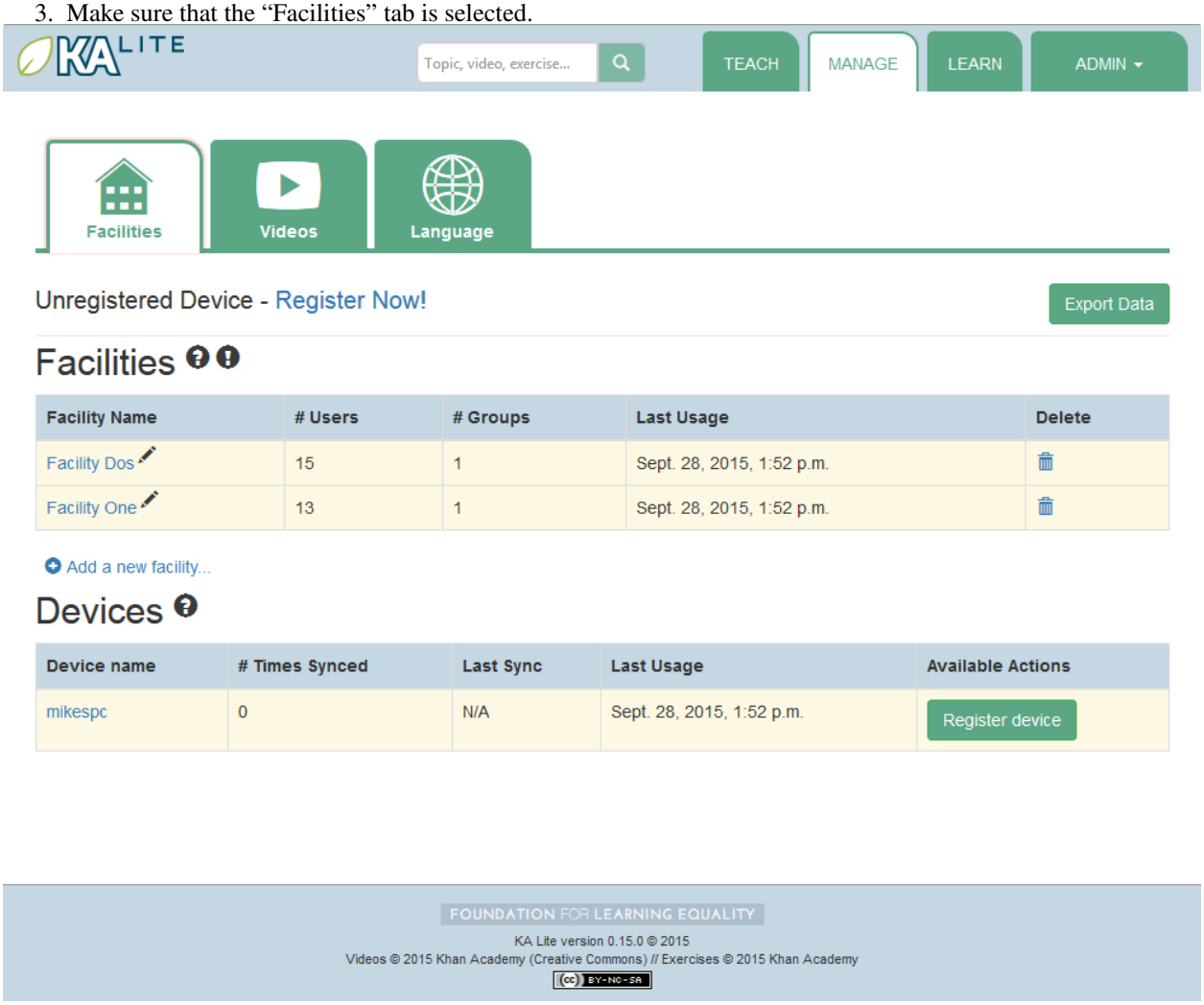
5. Fill in the information for all the fields you find below the map
6. Click the “Save facility” button when you are finished.


KA LITE
Topic, video, exercise...
TEACH
MANAGE
LEARN
ADMIN
Unregistered Device - Register Now!
Add a new Facility
Please use this search box to locate your facility (and/or click on the map to select a spot), and then enter the additional information in the form below.
(Knowing, as closely as possible, where you are in the world allows us to better plan for future deployments and partnerships)
Search for your facility's address or name to find its location on the map (enter to search)
Map
Satellite
Google
Imagery ©2015 , Aerometrex, CNES / Astrium, Cnes/Spot Image, DigitalGlobe, Landsat, Sinclair Knight Merz
Terms of Use
Report a map error
Name (required)
Your School
Description
An optional description of your school...
Address
(Please provide as detailed an address as possible.)
Contact Name
(Who should we contact with any questions about this facility?)
Contact Phone
Contact Email
User Count
(How many potential users do you estimate there are at this facility?)
Save facility

7. Once the information has been saved, you will be redirected back to the "Facilities" page, where you will see a message indicating that you have successfully saved your new facility.

2.1.7 Delete a Facility

1. Log in to KA Lite.
2. Click the "Manage" tab at the top of the page.
3. Make sure that the "Facilities" tab is selected.



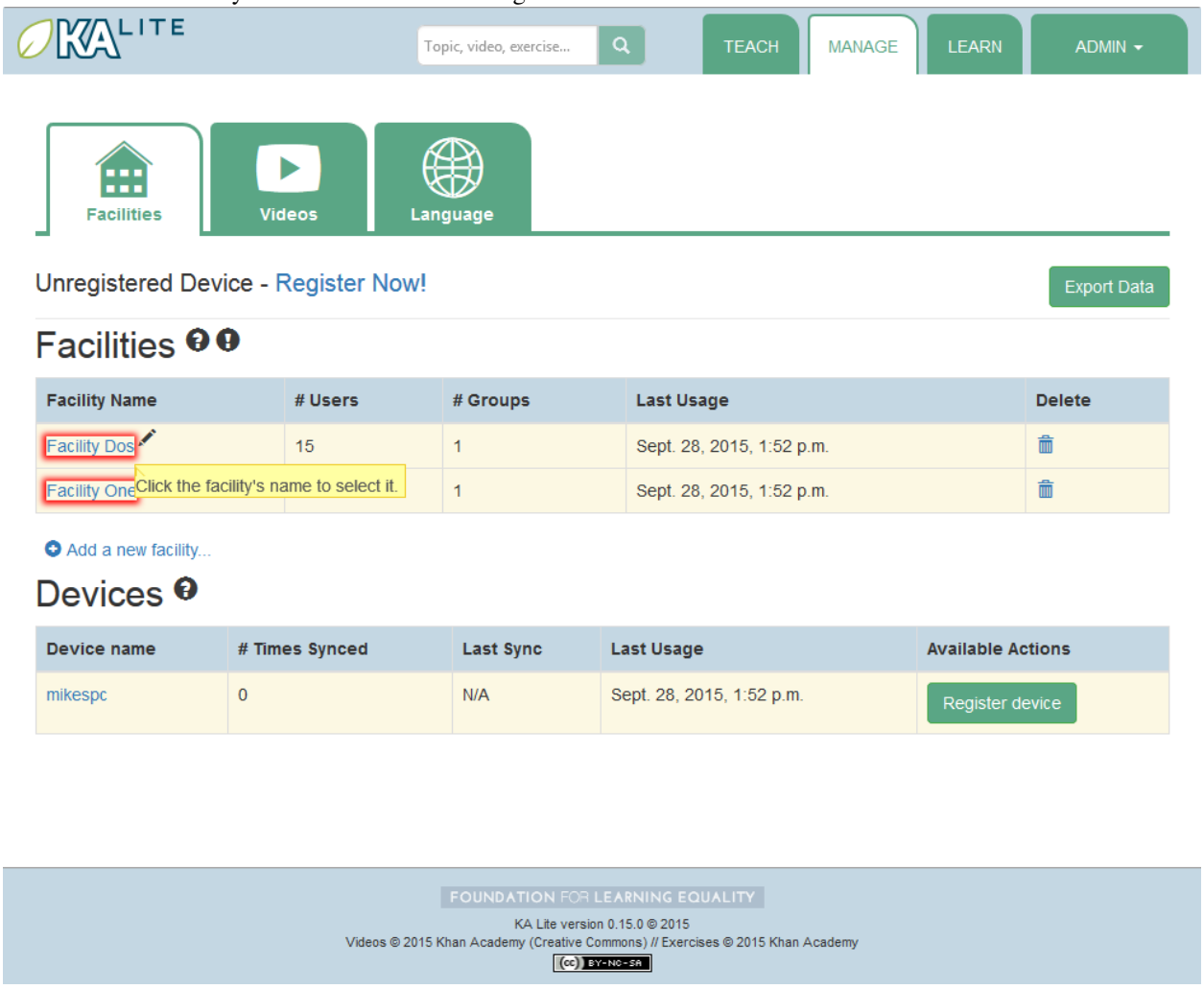
4. Find the facility you would like to delete, and click the trash can icon to delete the facility.
5. You will be prompted to type in the name of the facility you wish to delete for confirmation.
6. If your delete is successful, you will be redirected back to the "Facilities" page, where you will see a message indicating that you have successfully deleted the facility.

2.1.8 User Management

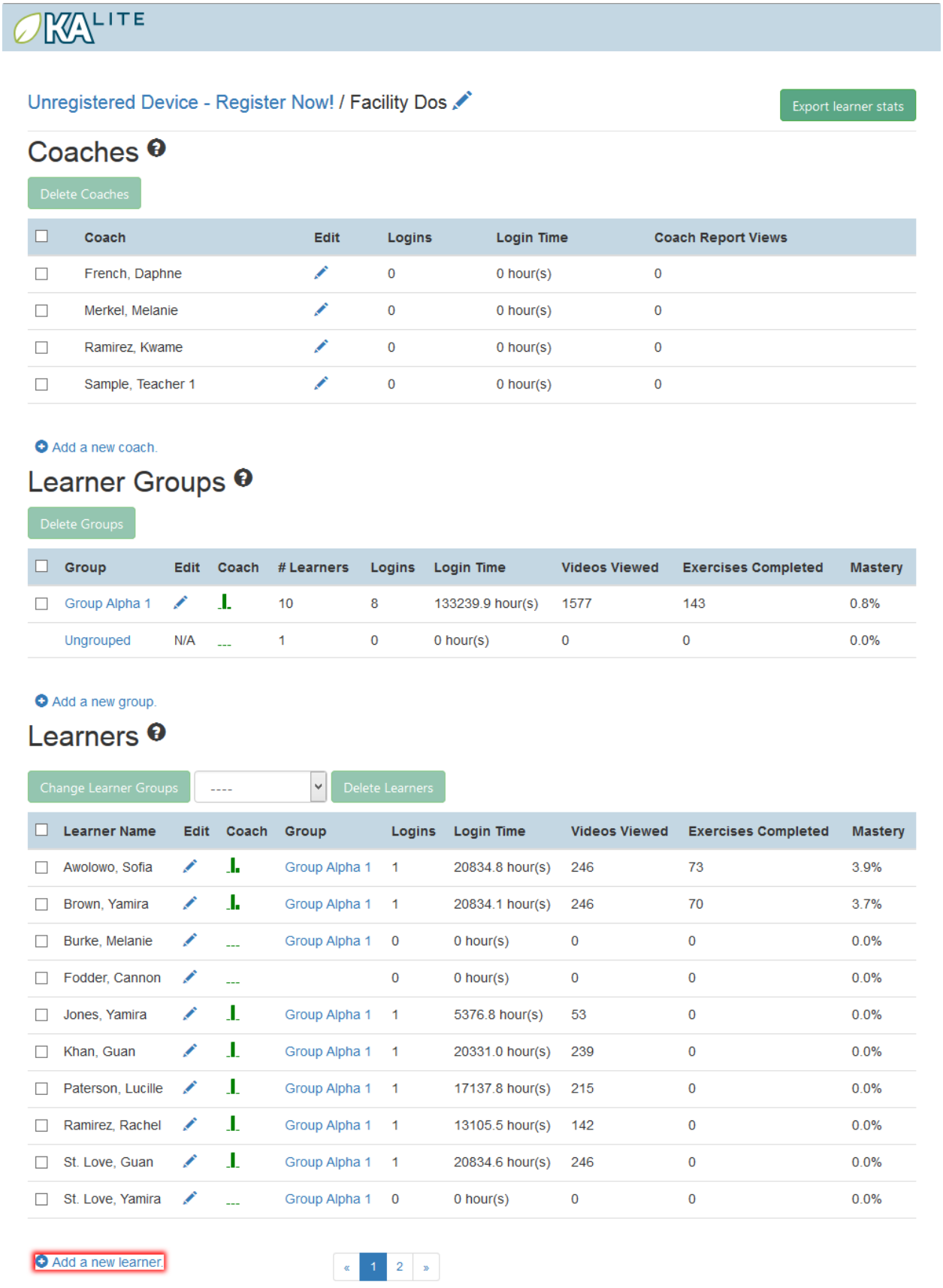
Coaches and learners are the other types of users that KA Lite supports. In order for them to be able to login, you need to create accounts for them.

Adding Learners

1. Log in to KA Lite.
2. Click on the "Manage" tab at the top of the page.
3. Make sure that the "Facilities" tab is selected.
4. Select the facility that the learner will belong to.

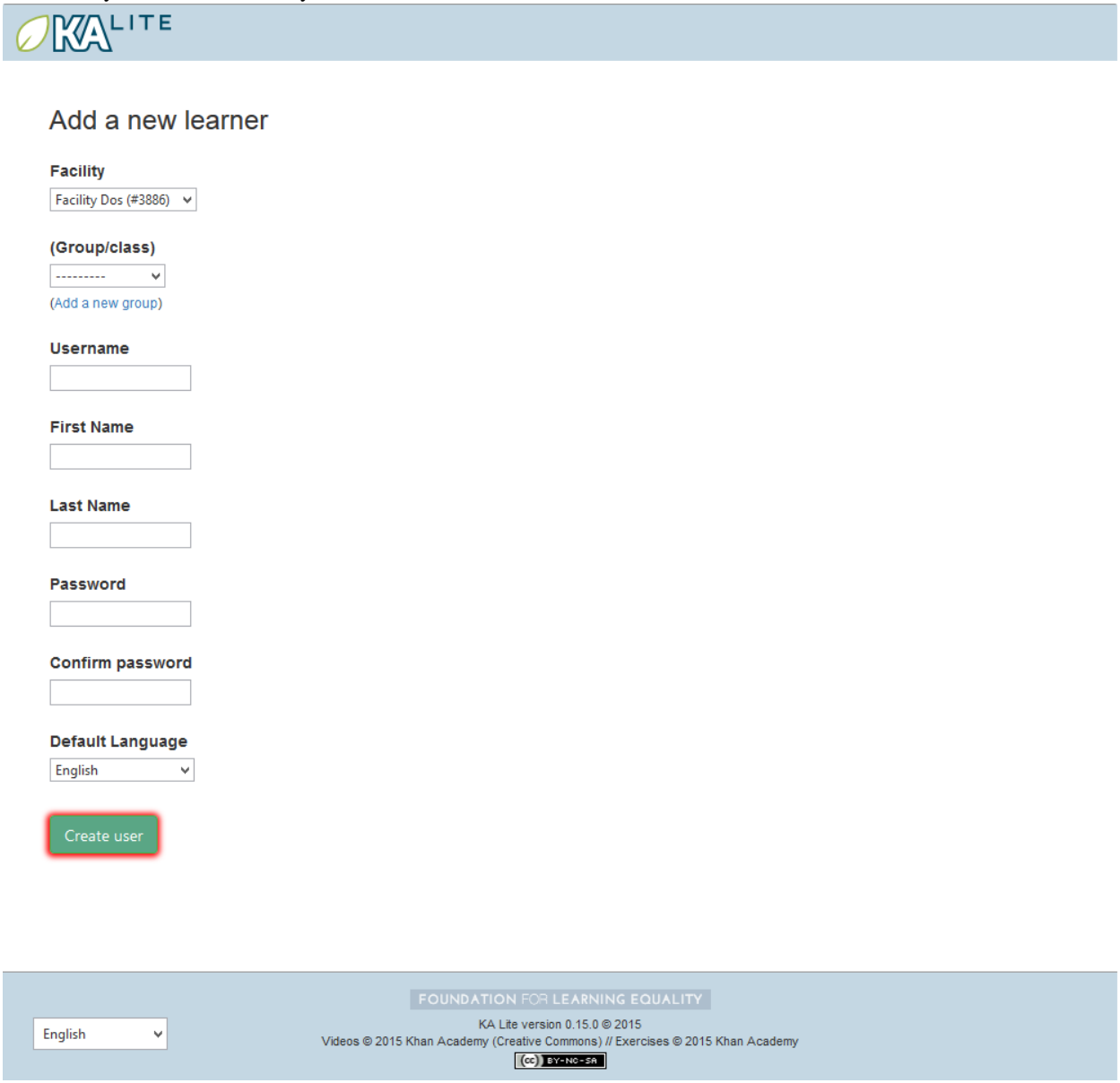


5. Under the "Learners" header, click on "Add a new Learner".


KA LITE
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A --- 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

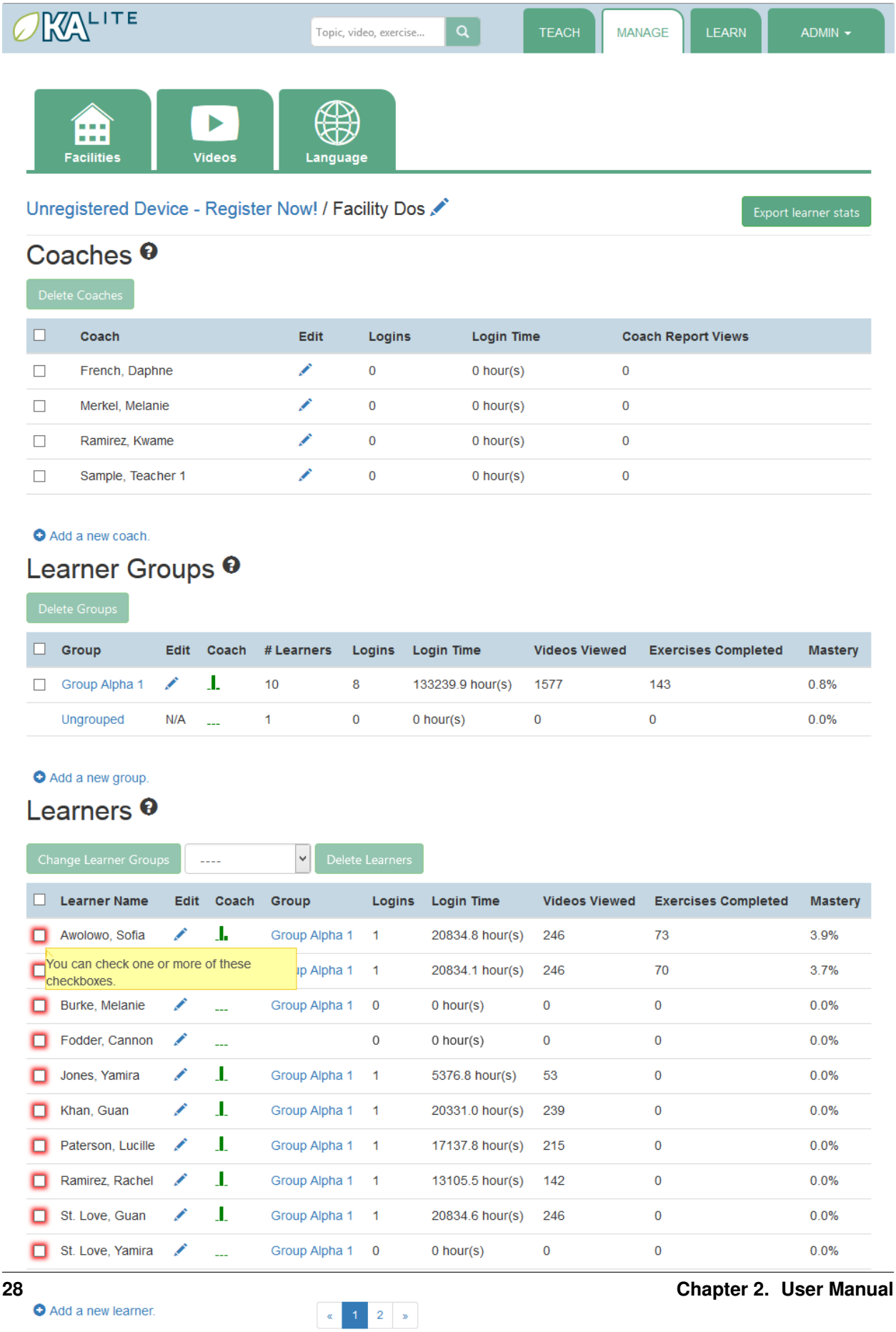
Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie --- Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon --- 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira --- Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »
English
FOUNDATION FOR LEARNING EQUALITY
KA Lite version 0.15.0 © 2015
Videos © 2015 Khan Academy (Creative Commons) // Exercises © 2015 Khan Academy

6. You will be redirected to a page that says “Add a new Learner”. Fill in all the information. The facility dropdown defaults to the facility you selected in the previous steps.
7. Click “Create user”. You should be redirected to the “Facilities” page, where you will see a message indicating that you have successfully created a Learner user.



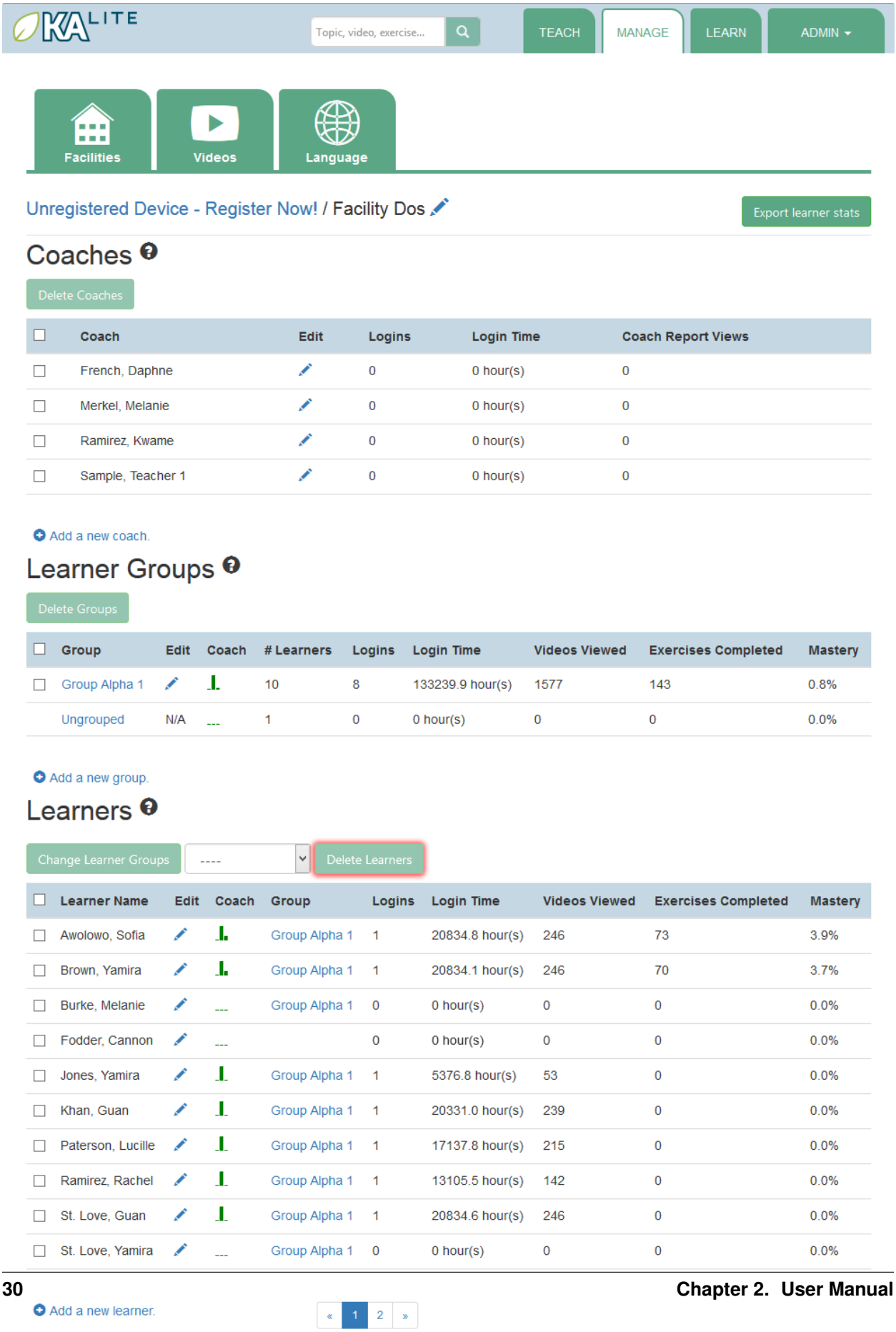
Permanently Deleting Learners

1. Log in to KA Lite.
2. Click on the “Manage” tab at the top of the page.
3. Make sure that the “Facilities” tab is selected.
4. Under the “Facilities” header, select the facility the Learner belongs to.
5. Under the “Learners” header, mark the box to the left of the Learner account you would like to delete.


KA LITE
Topic, video, exercise...
TEACH
MANAGE
LEARN
ADMIN
Facilities
Videos
Language
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A --- 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
You can check one or more of these checkboxes.
p Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie --- Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon --- 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira --- Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »

6. Press the “Delete Learners” button.

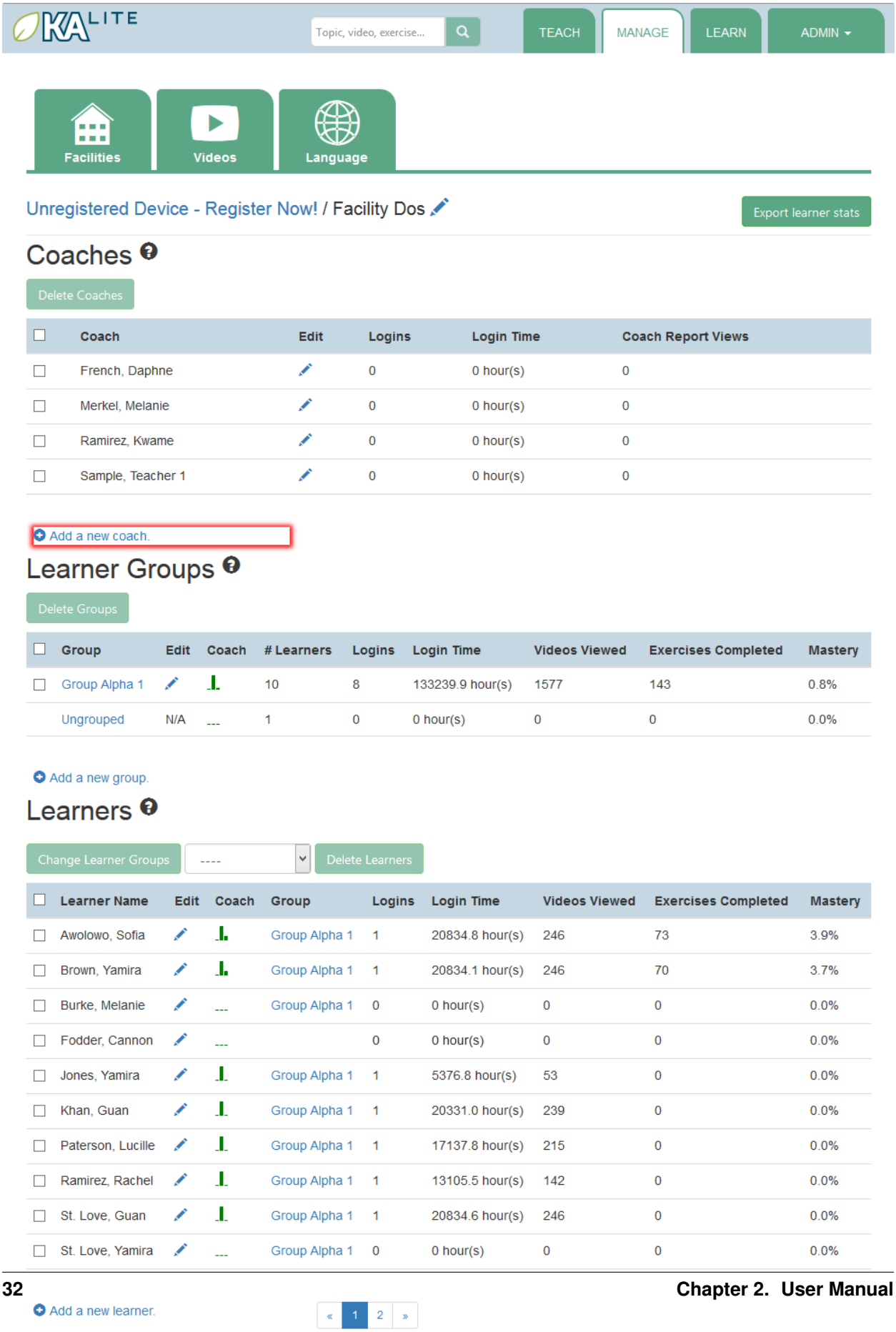

KA LITE
Topic, video, exercise...
TEACH
MANAGE
LEARN
ADMIN
Facilities
Videos
Language
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »

7. You will be prompted with a confirmation of your deletion. Press “OK” to proceed with the deletion.

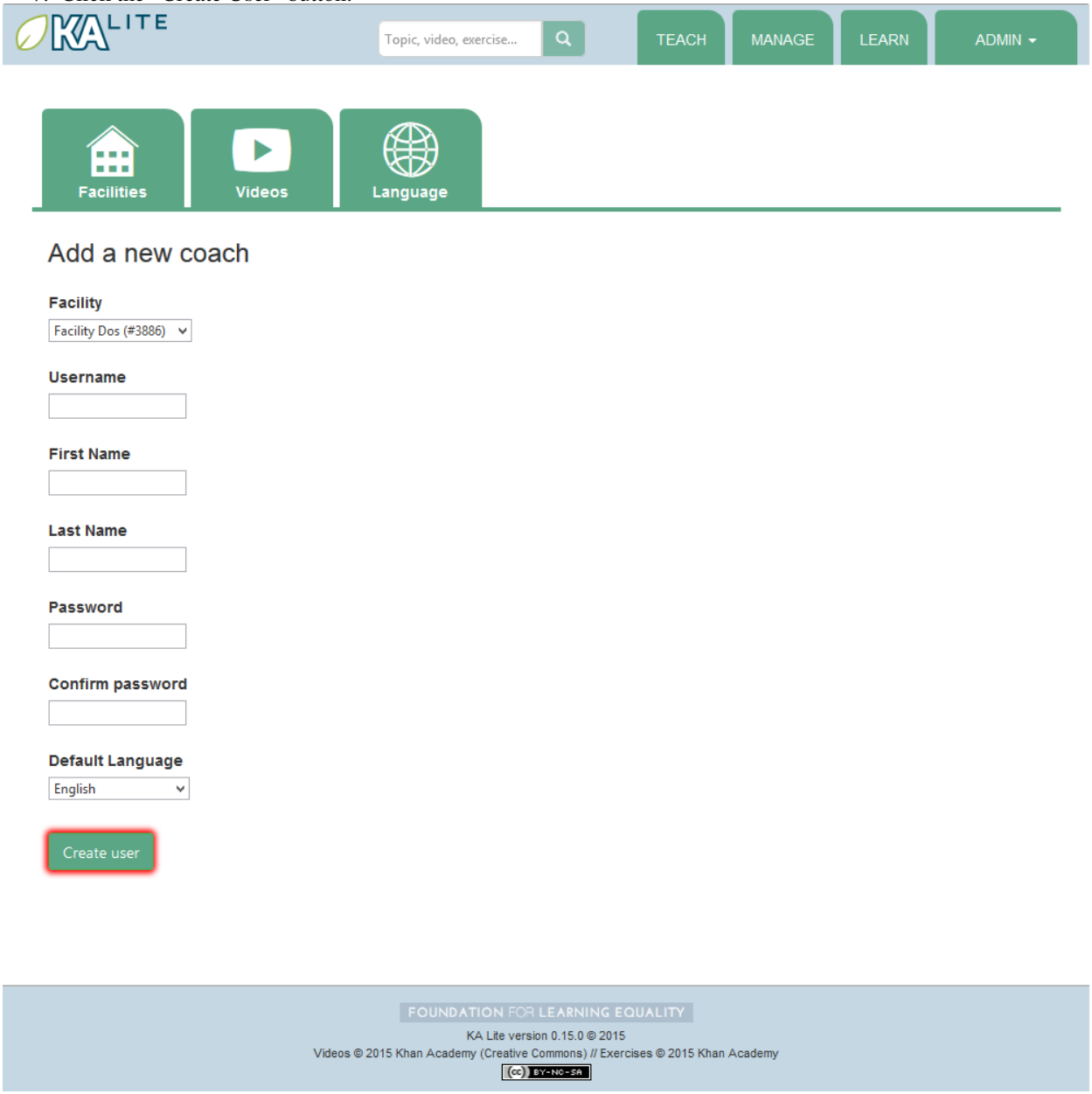
Adding Coaches

1. Log in to KA Lite.
2. Click on the “Manage” tab at the top of the page.
3. Make sure that the “Facilities” tab is selected.
4. Select the facility that the coach will belong to.
5. Under the “Coaches” header, click on “Add a new coach”.


KA LITE
Topic, video, exercise...
TEACH
MANAGE
LEARN
ADMIN
Facilities
Videos
Language
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »

6. You will be redirected to a page that says “Add a new coach”. Fill in all the information. The facility dropdown defaults to the facility you selected in the previous steps.
7. Click the “Create User” button.

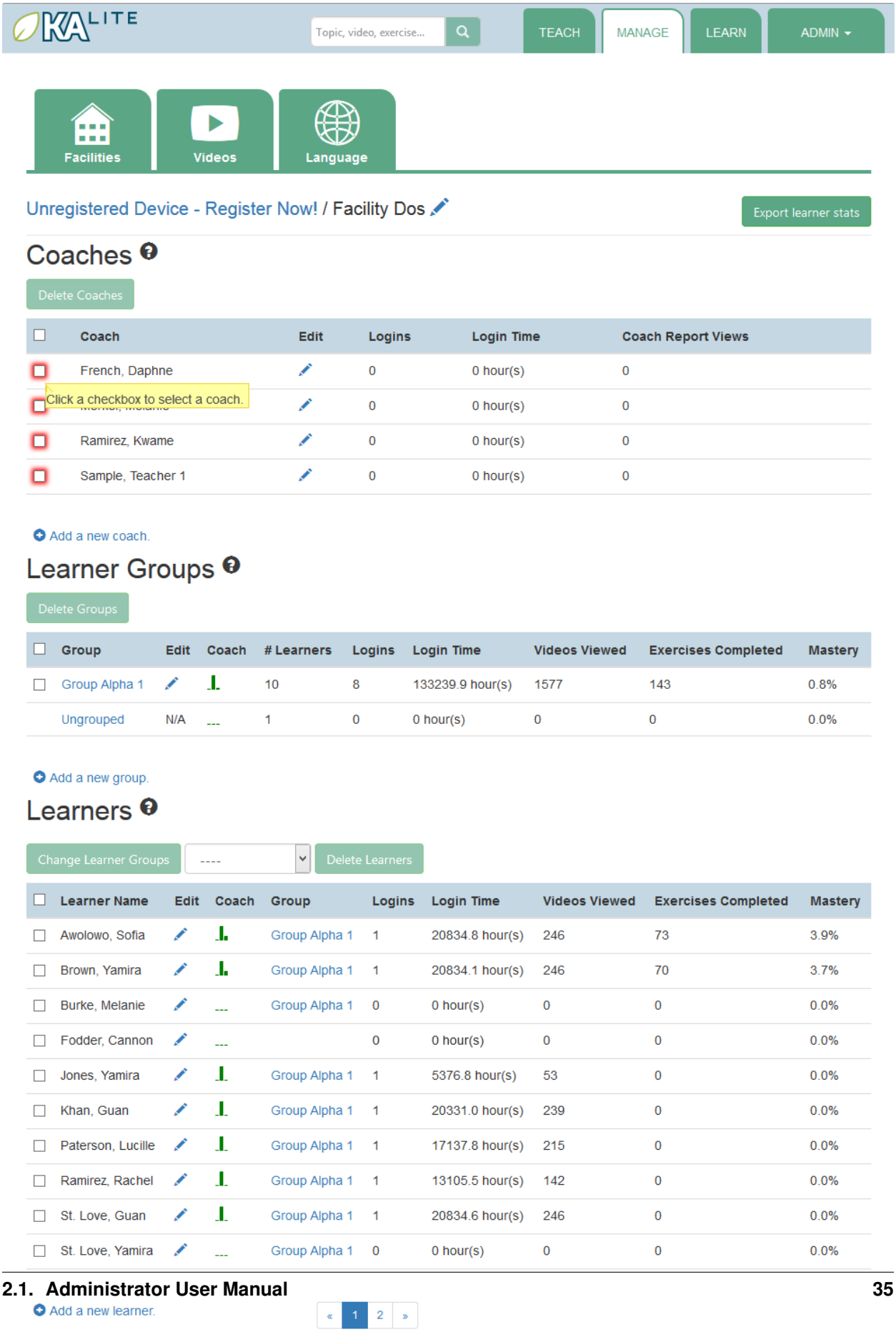


8. If the user was successfully created, the page will reload with a message indicating that you have created the user.

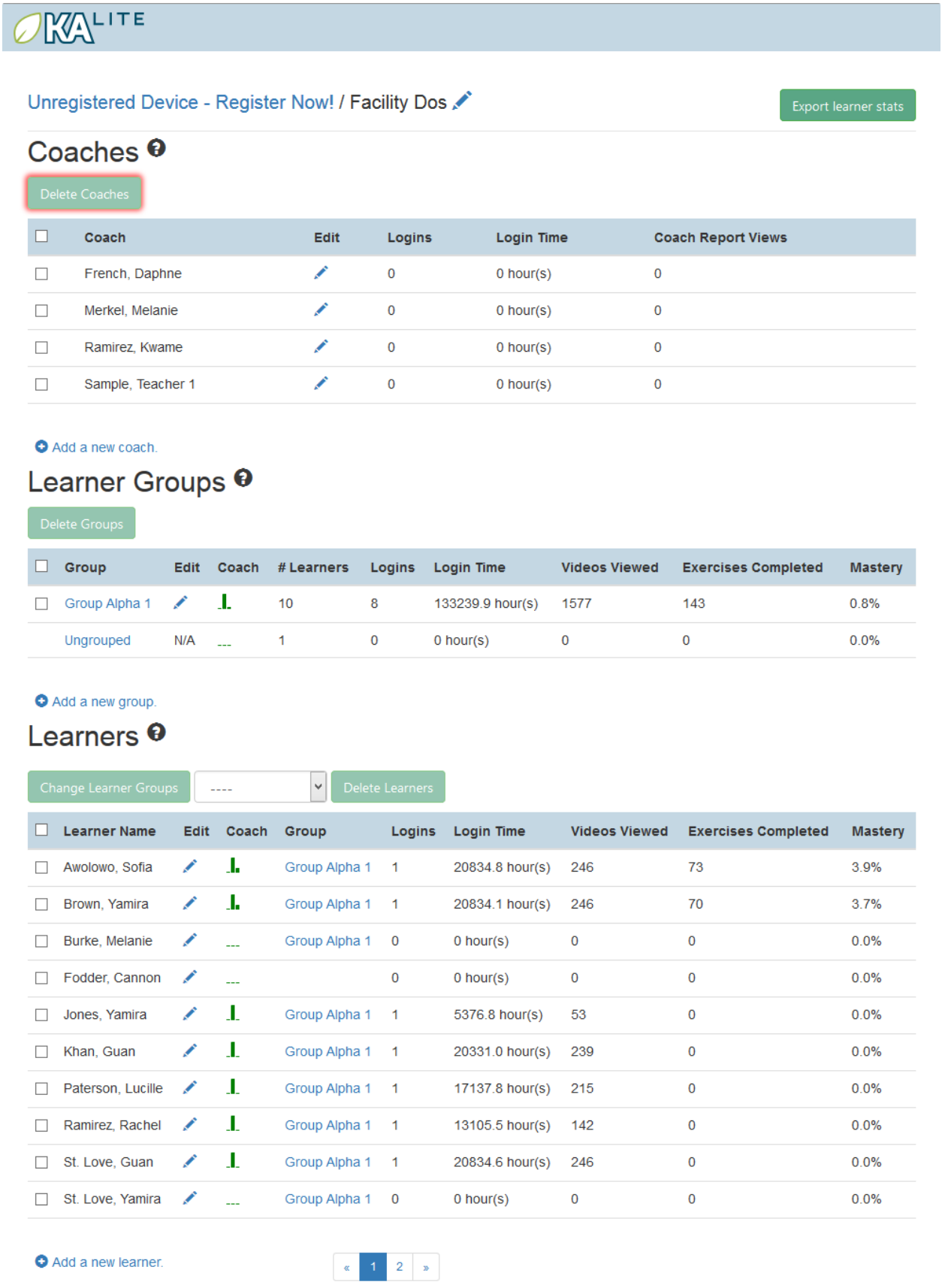
Permanently Deleting Coaches

1. Log in to KA Lite.
2. Click on the “Manage” tab at the top of the page.
3. Make sure that the “Facilities” tab is selected.
4. Under the “Facilities” header, select the facility the coach belongs to.

5. Under the “Coaches” header, mark the box to the left of the coach account you would like to delete.


KA LITE
Topic, video, exercise...
TEACH
MANAGE
LEARN
ADMIN
Facilities
Videos
Language
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne
0
0 hour(s)
0
Click a checkbox to select a coach.
Ramirez, Kwame
Sample, Teacher 1
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1
10
8
133239.9 hour(s)
1577
143
0.8%
Ungrouped
N/A
1
0 hour(s)
0.0%
Add a new group.
Learners
Change Learner Groups
Delete Learners
Learner Name
Awolowo, Sofia
Brown, Yamira
Burke, Melanie
Fodder, Cannon
Jones, Yamira
Khan, Guan
Paterson, Lucille
Ramirez, Rachel
St. Love, Guan
St. Love, Yamira
Add a new learner.
1
2

6. Press the “Delete Coaches” button.


KA LITE
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A --- 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie --- Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon --- 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira --- Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »
English
FOUNDATION FOR LEARNING EQUALITY
KA Lite version 0.15.0 © 2015
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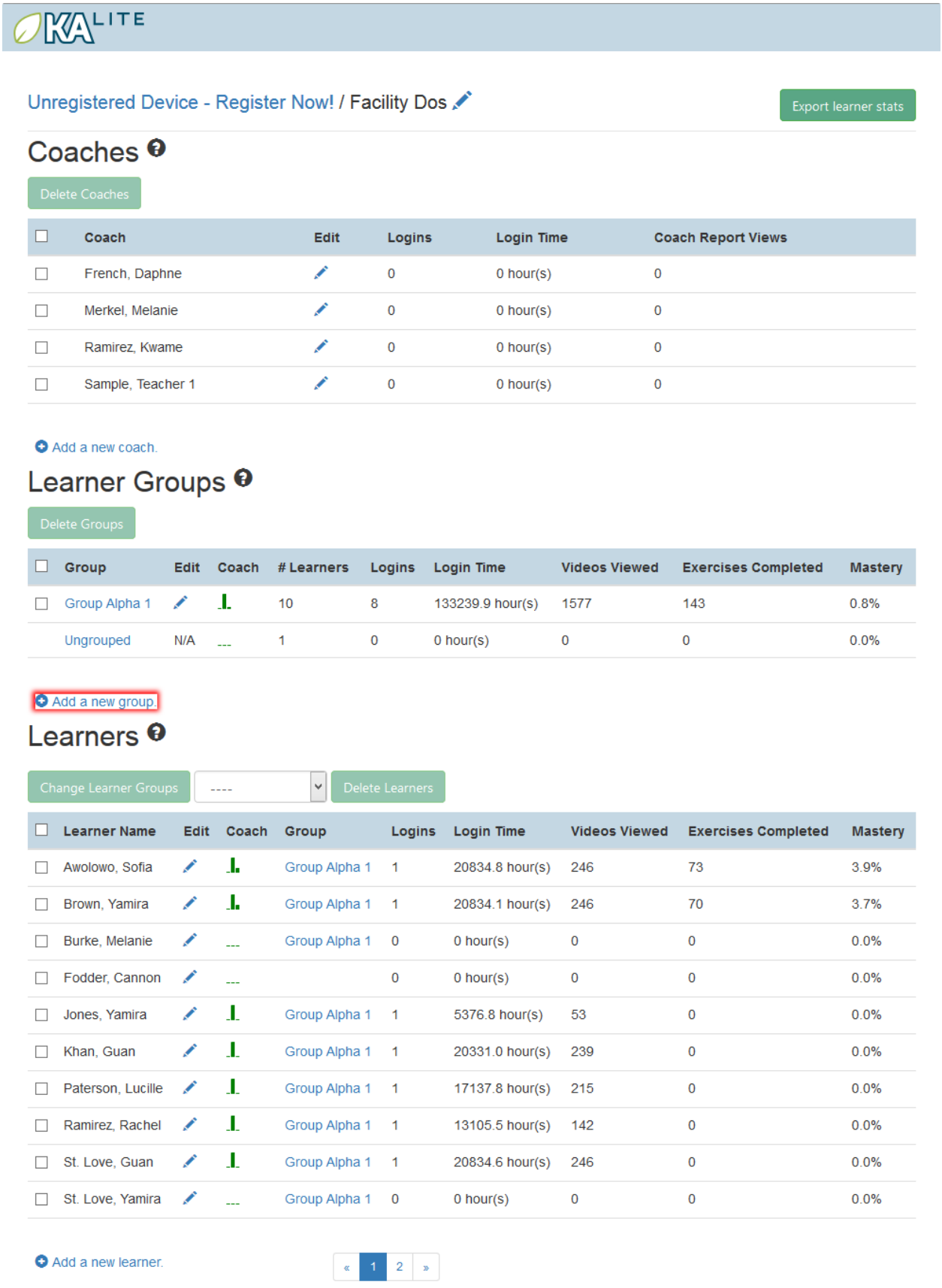
7. You will be prompted with a confirmation of your deletion. Press “OK” to proceed with the deletion.

Adding a Group

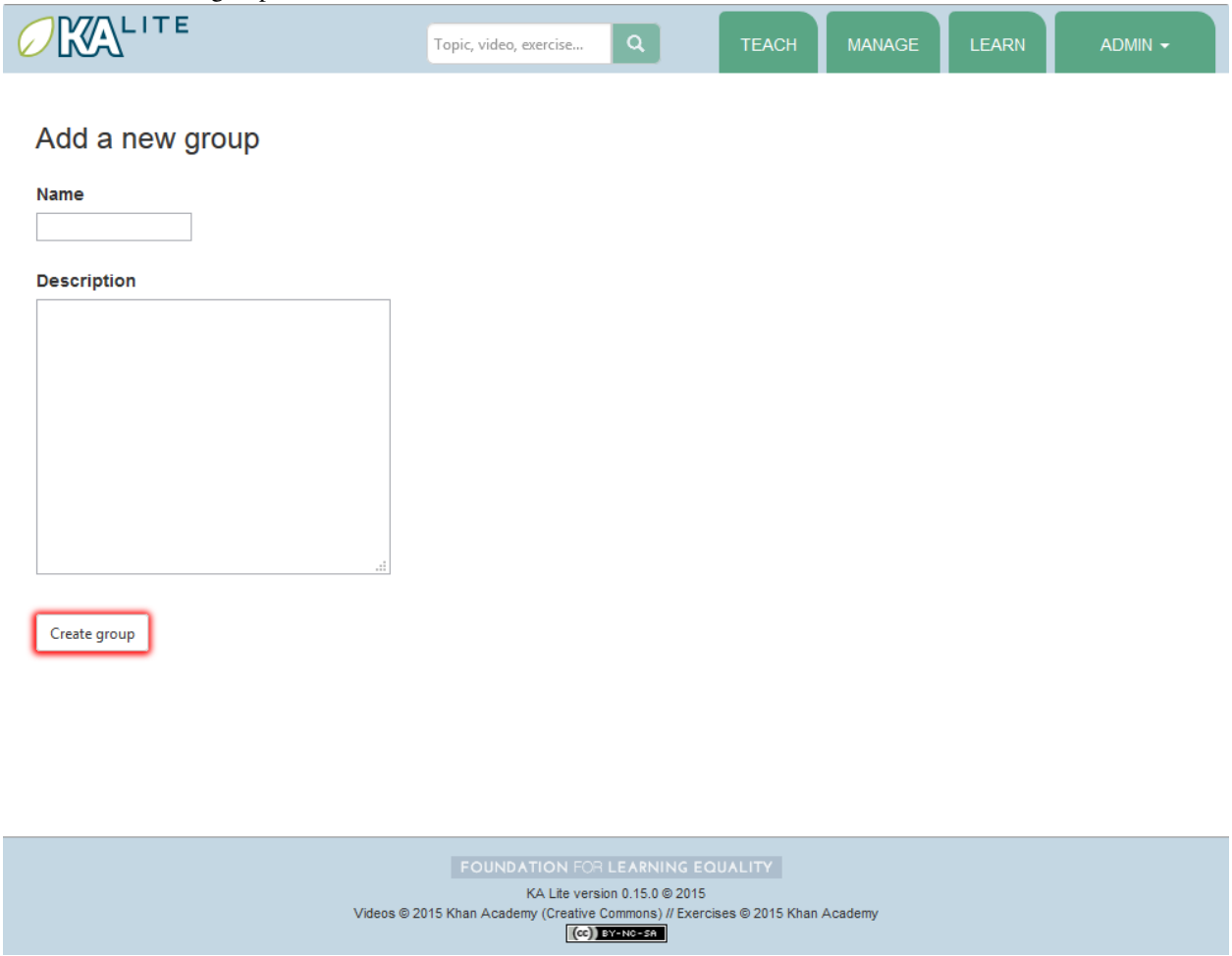
You can create groups within a facility. Each group can represent a classroom, a study group, or any other way you would like to group Learners. To create a group, follow the instructions below:

1. Log in to KA Lite.
2. Click on the “Manage” tab at the top of the page.
3. Make sure that the “Facilities” tab is selected.
4. Select the facility that the group will belong to.
5. Under the “Learner Groups” header, click on “Add a new group”.


KA LITE
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A --- 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie --- Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon --- 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira --- Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »
English
FOUNDATION FOR LEARNING EQUALITY
KA Lite version 0.15.0 © 2015
Videos © 2015 Khan Academy (Creative Commons) // Exercises © 2015 Khan Academy

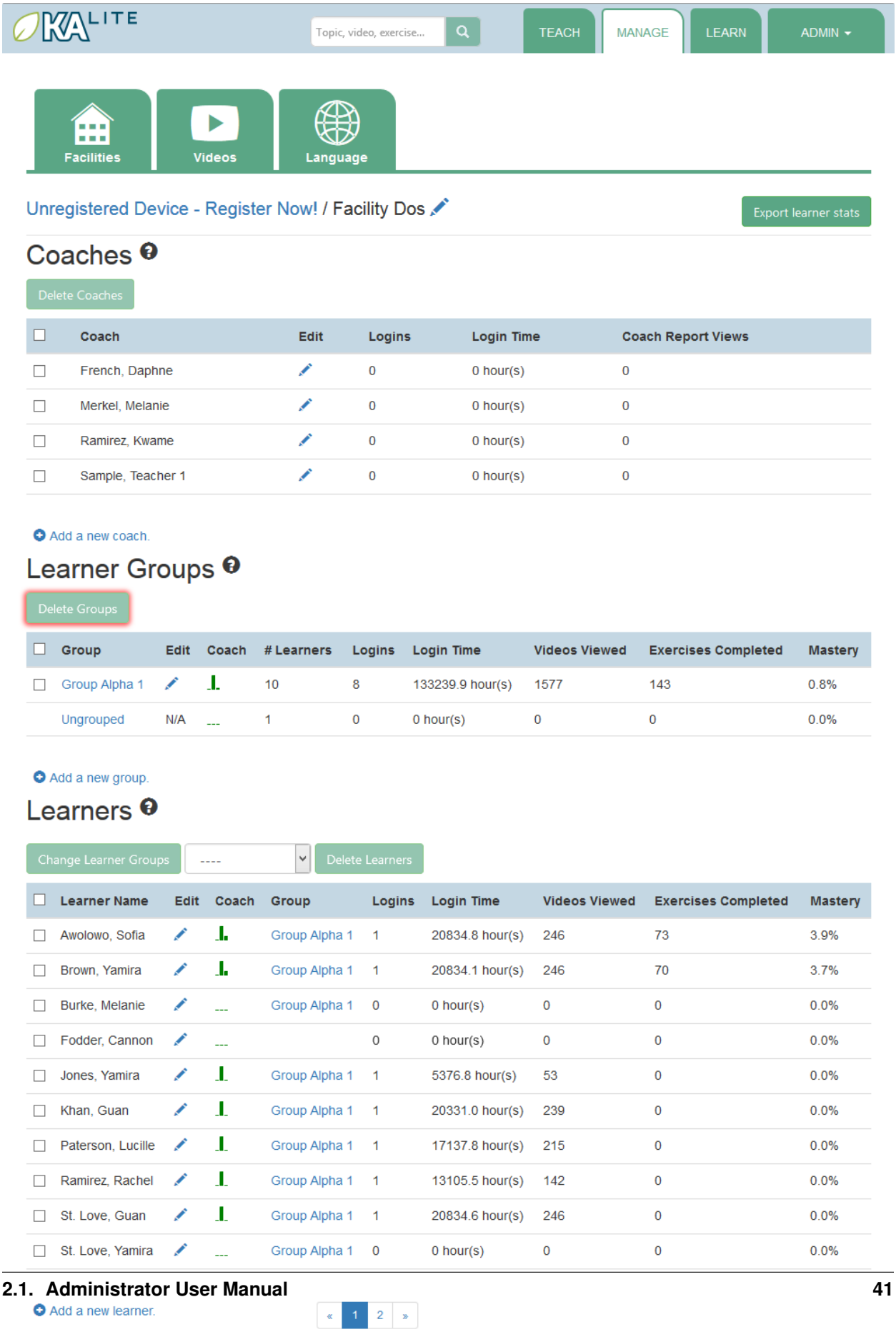
6. Fill out the name of the group, and provide a description.
7. Click “create group”.



8. You should be redirected back to the page for the facility. If the group was successfully created, you will see it listed under the “Learner Groups” section.

Deleting a Group

1. Log in to KA Lite.
2. Click on the “Manage” tab at the top of the page.
3. Make sure that the “Facilities” tab is selected.
4. Select the facility that the group you would like to delete belongs to.
5. Mark the box to the left of the group you would like to delete.
6. Press the “Delete Groups” button under the “Learner Groups” header.

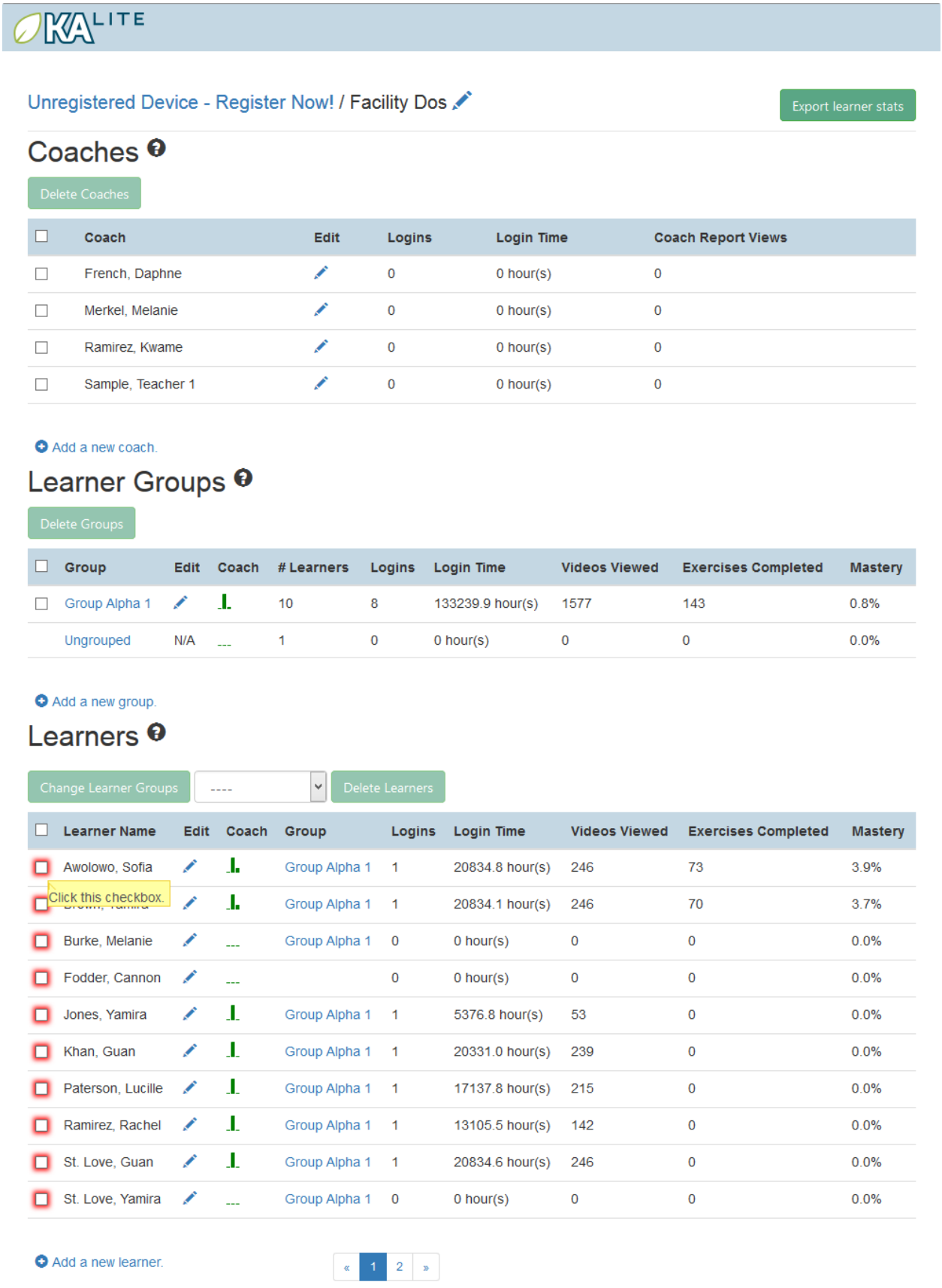

KA LITE
Topic, video, exercise...
TEACH
MANAGE
LEARN
ADMIN
Facilities
Videos
Language
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »

7. You will be prompted with a confirmation of your deletion. Press “OK” to proceed with the deletion.

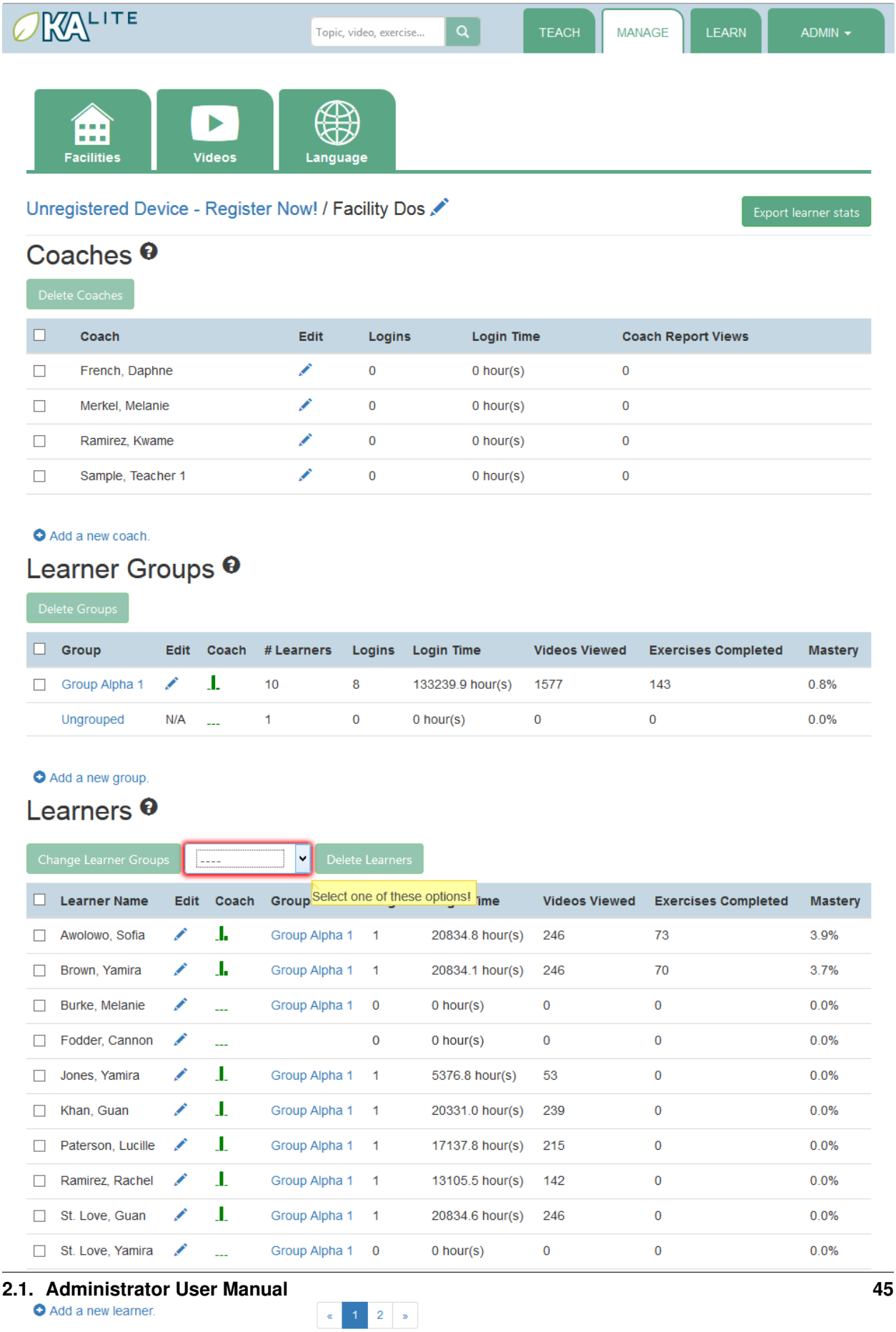
Moving a User to a New Group

1. Navigate to the page for the facility the user belongs to.
2. Under the “Learners” header, select the Learner you would like to move by clicking in the checkbox to the left of the Learner name.


KA LITE
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A --- 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

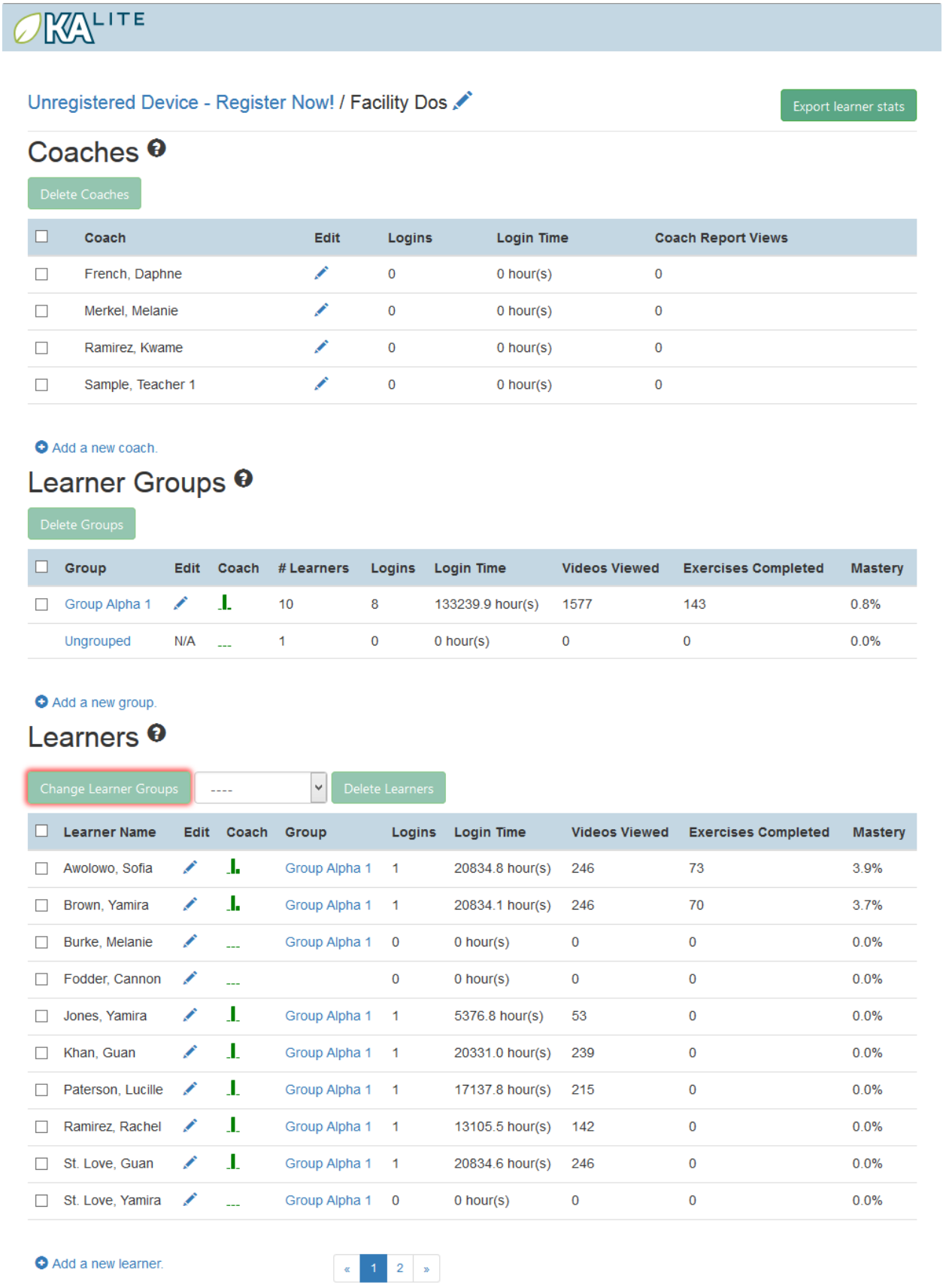
Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Click this checkbox.
Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »
English
FOUNDATION FOR LEARNING EQUALITY
KA Lite version 0.15.0 © 2015
Videos © 2015 Khan Academy (Creative Commons) // Exercises © 2015 Khan Academy

3. In the dropbox, select the group you would like to move the user to.


KA LITE
Topic, video, exercise...
TEACH
MANAGE
LEARN
ADMIN
Facilities
Videos
Language
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A --- 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Select one of these options!
Learner Name
Edit
Coach
Group
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »

4. Click the “Change Learner Groups” button.


KA LITE
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Ungrouped N/A 1 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »
English
FOUNDATION FOR LEARNING EQUALITY
KA Lite version 0.15.0 © 2015
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5. The page will refresh, with a message at the top indicating a successful move.

Removing Users from a Group

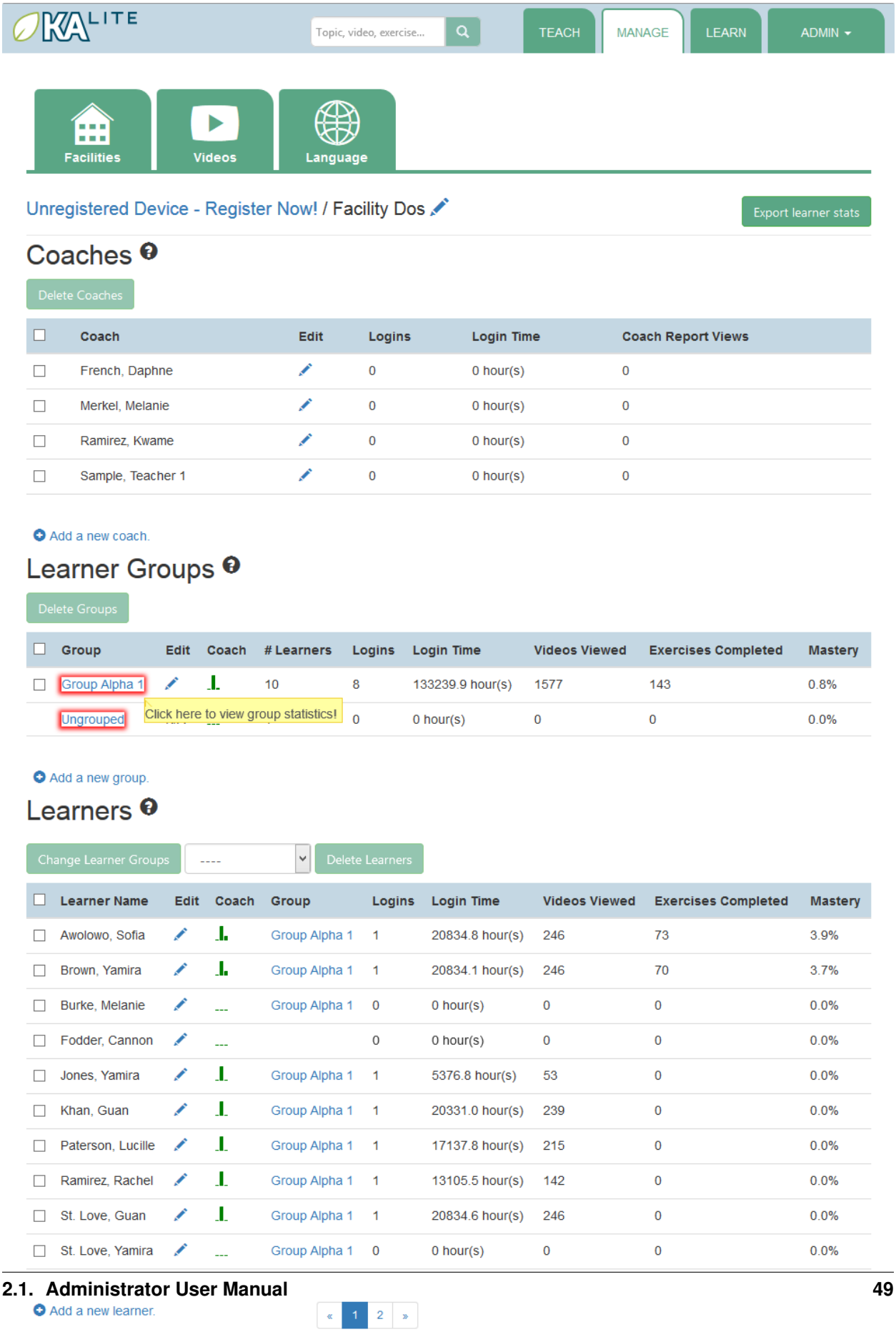
If you'd like to remove a user from a group without permanently deleting the user, please follow the instructions below:

1. Follow the same instructions as for "Moving a User to a New Group", but select "Ungrouped" from the drop-down menu.

Group Summary Statistics

For each group, you should be able to view some statistics.

1. Navigate to the Learner Groups section of the facility you wish to look at.
2. Click on the group that you wish to view.


KA LITE
Topic, video, exercise...
TEACH
MANAGE
LEARN
ADMIN
Facilities
Videos
Language
Unregistered Device - Register Now! / Facility Dos
Export learner stats
Coaches
Delete Coaches
Coach
Edit
Logins
Login Time
Coach Report Views
French, Daphne 0 0 hour(s) 0
Merkel, Melanie 0 0 hour(s) 0
Ramirez, Kwame 0 0 hour(s) 0
Sample, Teacher 1 0 0 hour(s) 0
Add a new coach.
Learner Groups
Delete Groups
Group
Edit
Coach
Learners
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Group Alpha 1 10 8 133239.9 hour(s) 1577 143 0.8%
Click here to view group statistics!
Ungrouped 0 0 hour(s) 0 0 0.0%
Add a new group.
Learners
Change Learner Groups

Delete Learners
Learner Name
Edit
Coach
Group
Logins
Login Time
Videos Viewed
Exercises Completed
Mastery
Awolowo, Sofia Group Alpha 1 1 20834.8 hour(s) 246 73 3.9%
Brown, Yamira Group Alpha 1 1 20834.1 hour(s) 246 70 3.7%
Burke, Melanie Group Alpha 1 0 0 hour(s) 0 0 0.0%
Fodder, Cannon 0 0 hour(s) 0 0 0.0%
Jones, Yamira Group Alpha 1 1 5376.8 hour(s) 53 0 0.0%
Khan, Guan Group Alpha 1 1 20331.0 hour(s) 239 0 0.0%
Paterson, Lucille Group Alpha 1 1 17137.8 hour(s) 215 0 0.0%
Ramirez, Rachel Group Alpha 1 1 13105.5 hour(s) 142 0 0.0%
St. Love, Guan Group Alpha 1 1 20834.6 hour(s) 246 0 0.0%
St. Love, Yamira Group Alpha 1 0 0 hour(s) 0 0 0.0%
Add a new learner.
« 1 2 »

3. The statistics for the group should be displayed at the top of the page.

Edit User Information

1. Navigate to the page for the facility that the user belongs in.
2. Find the user you would like to edit.
3. Click the blue pencil icon next to the name of the user that you would like to edit.
4. Make all necessary changes on the edit user page, and click "Update user".
5. You will be redirected to the previous page, with a message at the top indicating that your changes have been saved.

2.1.9 Allowing Other Users to Connect

In order for other users to be able to connect to the KA Lite server with a different machine, you will need to give them an IP address with which to access the software. This should be different from the IP address given to you during setup (127.0.0.1:8008).

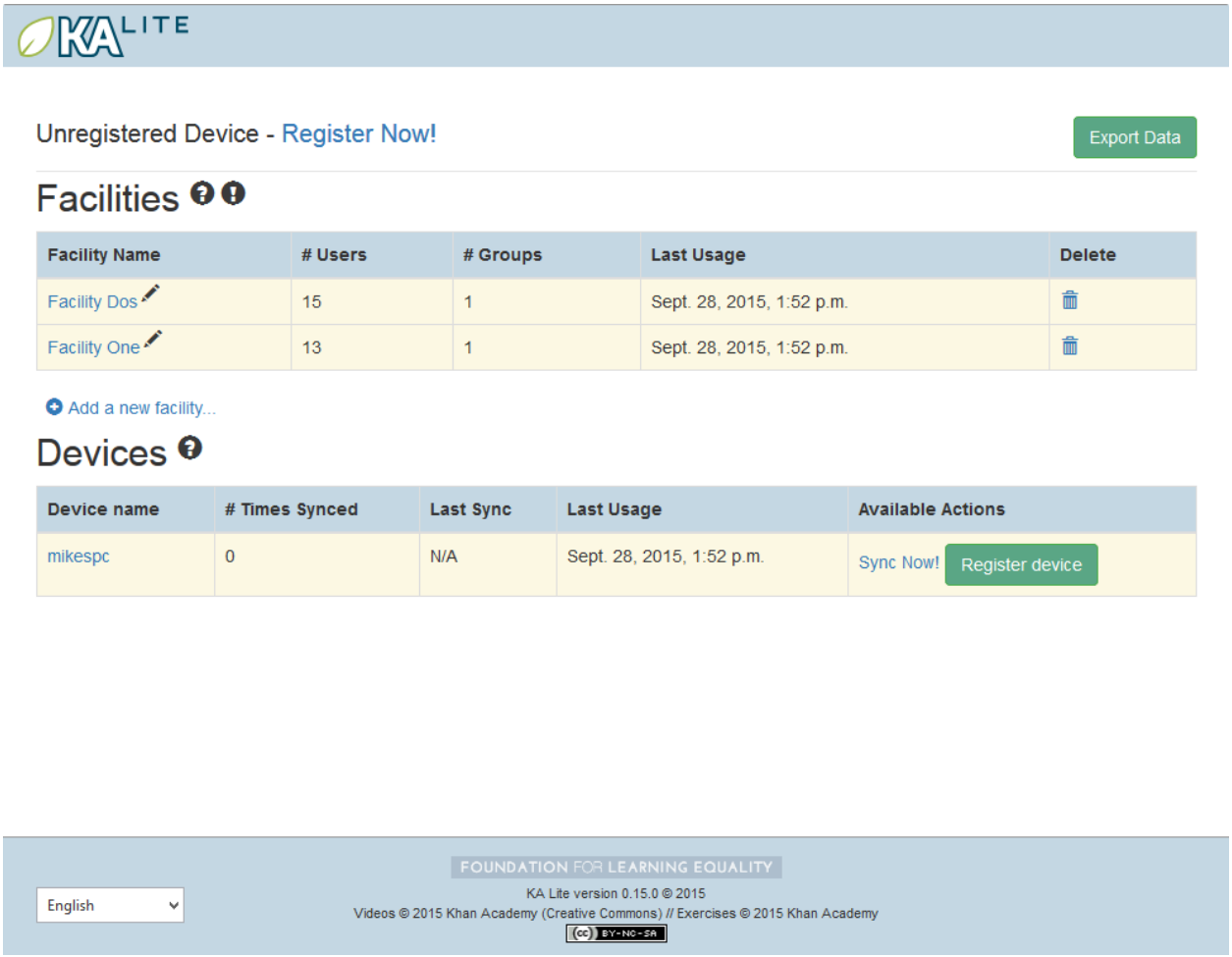
2.1.10 Downloading Videos

Now that you've created a facility and user accounts, it's time to add video content to your local KA Lite installation! Since the videos can take up a large amount of space, you can choose to download only the videos that you need. If your device has enough space and you wish to download all of the videos, we recommend skipping to *Downloading Videos in Bulk* .

Downloading Individual Videos

After registering your device:

1. Click the "Manage" tab at the top of the page.
2. Click on the "Videos" tab.



3. View subtopics by clicking on the '+' symbol to the left of a subject of your choice. You can close them by clicking on the '-' symbol.
4. Mark the content you wish to download by clicking the checkbox to the left of the content name.
5. Click the green "Download" button in the top left box of the page. The button should also show you the total number of videos you have selected to download, as well as the total size of the content.
6. Once the download is completed, video content will be ready for Learners to watch!

Downloading Videos in Bulk

The full set of videos, if downloaded through the KA Lite interface, take over 150GB. If you want to download all the videos, we also have torrent files with resized videos (~33 GB for English). To fetch all the videos, download and open the appropriate torrent file.

Save the videos in the `CONTENT_ROOT` directory of your installation. By default, this is the `.kalite/content/` folder in the *home directory* of the user running KA Lite.

On Windows, navigate to something like `C:\Documents and Settings\<username>\.kalite\content`.

Note: If the drive where your `.kalite/` folder does not have enough free disk space, you can change your *Configuration Settings*, the one named `CONTENT_ROOT` and define a folder where your videos are downloaded to. Remember that you may want to move the contents of your old `content/` folder.

Note: The `.kalite` folder is hidden on some systems, so if you are in a file browser, you have to enable showing hidden files and folders.

Adding assessment items (exercises)

If you skipped the step for adding assessment items during install, run the following command (beware it can take a while, the download size is over 500 MB):

```
kalite manage unpack_assessment_zip https://learningequality.org/downloads/ka-lite/0.15/co
-f
```

As an alternative, you can download the zip file from https://learningequality.org/downloads/ka-lite/0.15/content/khan_assessment.zip and run the command on your local copy. This is useful if you're deploying KA Lite on multiple computers.

2.1.11 Language Packs

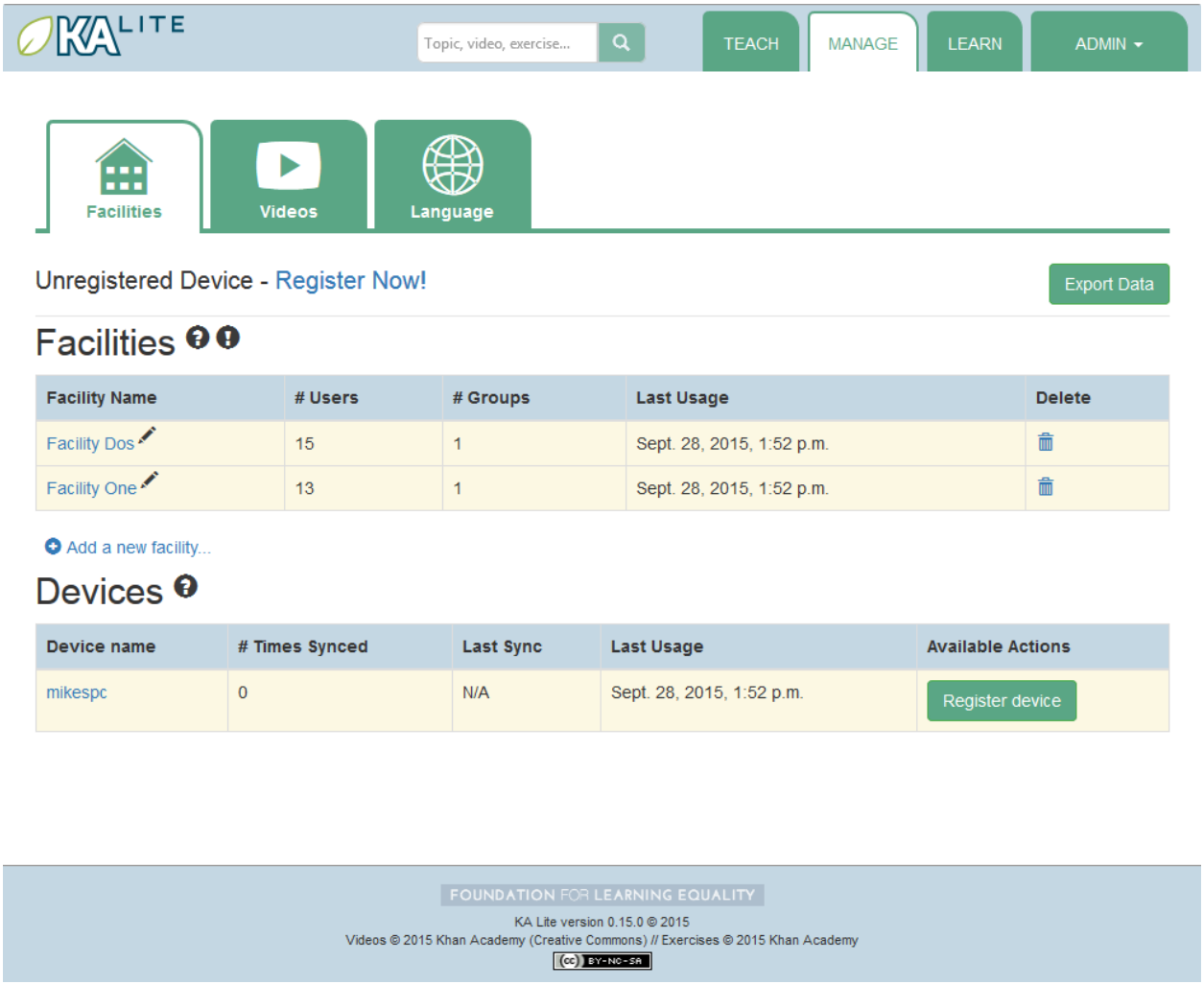
KA Lite supports internationalization. You can download language packs for your language if it is available. A language pack comes with all the available subtitles and user interface translations for that language. When it is installed, KA Lite will give you the option to download individual dubbed videos from the language's Khan Academy YouTube channel.

Warning: Remember that you **MUST** restart your server after every language pack download or update. If you are unsure on how to do this, please see *Restarting Your Server*.

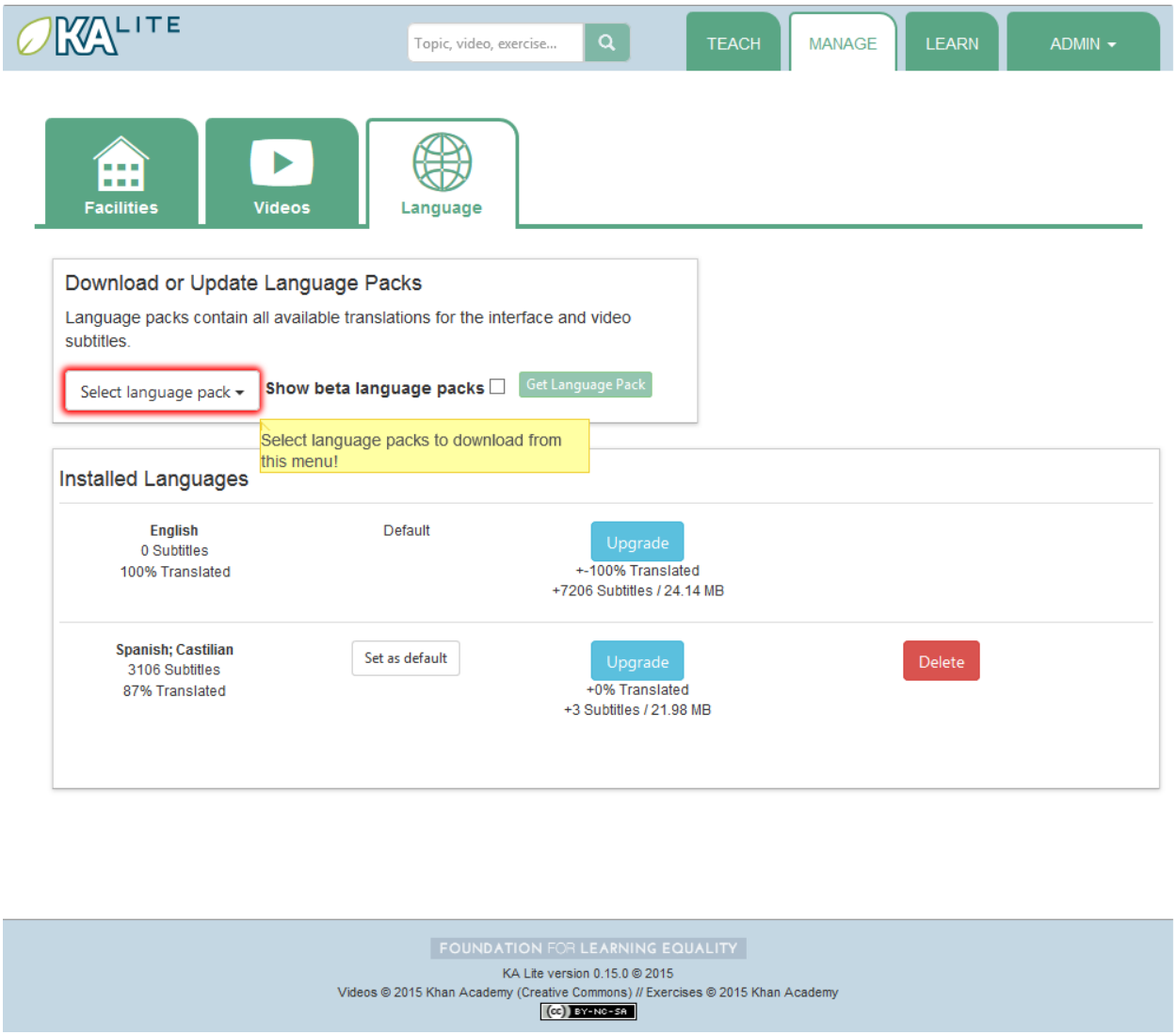
Download Language Packs

To download language packs:

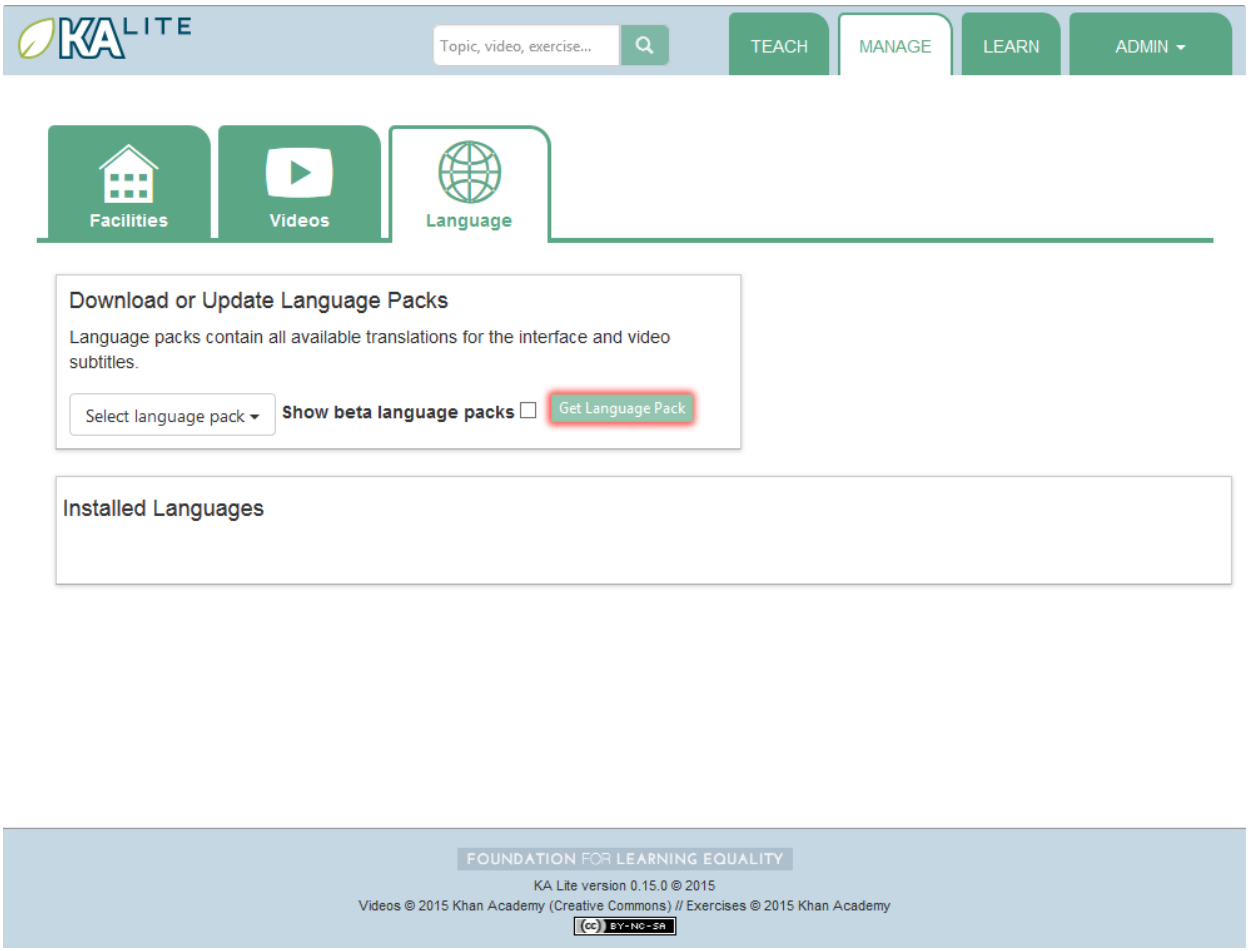
1. From the "Manage" page, click on the "Language" tab.



2. Select the language pack you wish to download by selecting from the drop-down menu.



3. Click the “Get Language Pack” button.

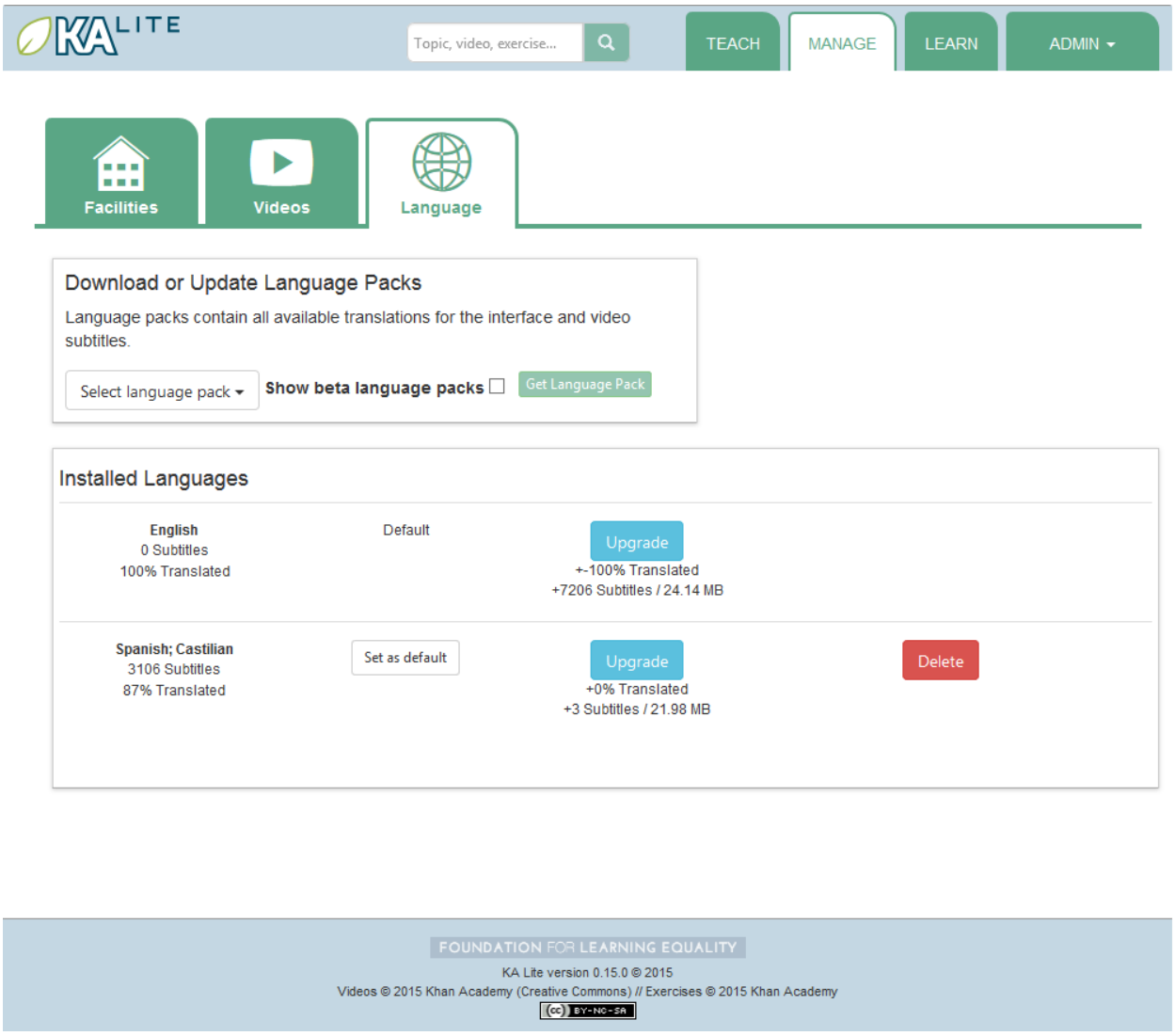


4. Once the download finishes, you can see your language pack in the list of installed packs, but you **MUST** restart your server to make them available for your users. If you are unsure on how to do this, please see *Restarting Your Server*.
5. After the server restart, learners and coaches will be able to switch their language to any of the installed language packs. Their default will be the default that you set by clicking on "Set as default".

Delete Language Packs

To delete language packs:

1. Log in as the administrator.
2. Click the "Languages" link in the navigation bar
3. In the Installed Languages section, there is a button for deletion of each language.



2.1.12 Restarting Your Server

If you have made some configuration changes (such as changing the filepath to your video content to your liking), or if you feel the need to reboot your KA Lite system, you may want to restart your server. Please note that this will cause KA Lite to become inaccessible to any users. However, this will not delete any user accounts or information that you have configured during set up.

This process varies, depending on which OS you are running the KA Lite Server on.

Restarting Your Server: Windows

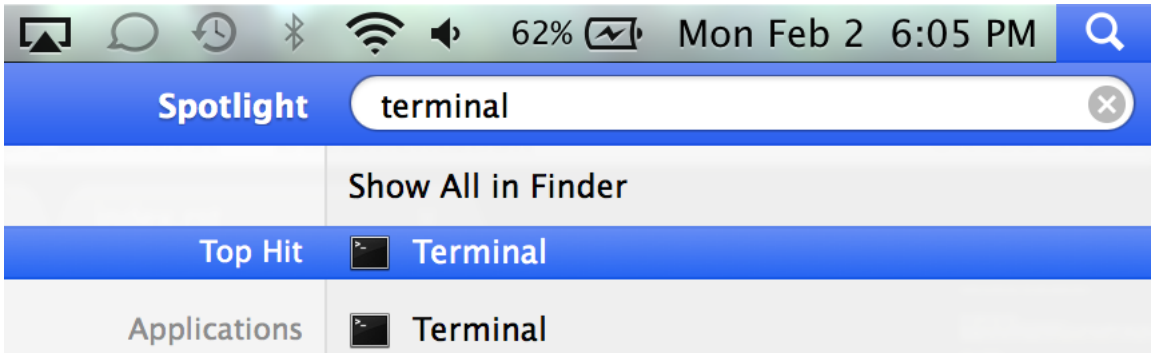
In the system tray, right click on the KA Lite icon. Click the "Stop Server" item in the context menu. Right click on the KA Lite icon in the system tray again, and click "Start Server". If the option is not clickable, wait a while and try again or restart your computer.

Restarting Your Server: Linux

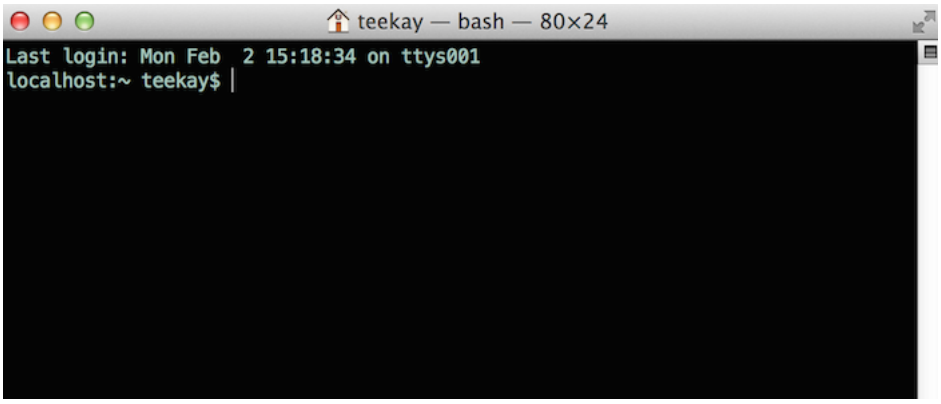
1. Open up your terminal. For most Linux distributions, you can do this by going to **Menu -> Accessories -> Terminal** or **Applications menu -> System -> Terminal.**
2. Type in `kalite restart`. This should stop the server, then attempt to restart it again. The process may take up to a few minutes.
3. Once you see the script that begins with `To access KA Lite from another connected computer, try the following address(es):` .... you will know that your KA Lite server has been successfully restarted.

Restarting Your Server: Mac

1. Open up your terminal. You may do this by navigating to the magnifying glass at the top right corner of your screen, and typing in "Terminal", then hitting "Enter" on your keyboard.



1. Your terminal should be opened up. It should look a little something like the following:



1. Type in `kalite restart`. This should stop the server, then attempt to restart it again. The process may take up to a few minutes.
2. Once you see the script that begins with `To access KA Lite from another connected computer, try the following address(es):` .... you will know that your KA Lite server has been successfully restarted.

2.1.13 Configuration Settings

Once you have deployed KA Lite to a computer, there are a number of ways you can customize the behavior of your installation. Below, you will find a list of these possible customizations with instructions or descriptions on how to do

it.

Warning: Please follow these instructions carefully! Customizing the server incorrectly can break your installation. It can be very hard to find and undo the error.

Running KA Lite with your own settings

In a text editor, open up `/home/user/.kalite/settings.py` (on Windows, locate something like `C:\Documents and Settings\<username>\.kalite`). That file is where you should put your custom settings, and KA Lite will load them automatically.

You can also run the `kalite` with a completely different Python settings module by specifying `kalite <command> --settings=my_settings_module`.

Note: The `.kalite` folder is hidden on some systems, so if you are in a file browser, you have to enable showing hidden files and folders.

Changing base settings

By default, `/home/user/.kalite/settings.py` will load `kalite.project.settings.base` which are the basic settings. But you can also load Raspberry Pi settings by changing the file to read something like:

```
from kalite.project.settings.raspberry_pi import *
# Put your settings here, e.g.
# MY_SETTING_VAR = 123
```

2.1.14 Available settings

See above for instructions on where to configure these settings.

Most common settings

- `DEBUG = <True or False> (default = False)` Enables debug mode. In case you run into technical issues, enable this setting before troubleshooting / reporting.
- `CONTENT_ROOT = "<path to desired content folder>" (default=/home/user/.kalite/content)` This is the path that KA Lite will use to look for KA Lite video files to play. Change the path to another local directory to get video files from that directory. NB! Directory has to be writable for the user running the server in order to download videos.

Warning: When changing `CONTENT_ROOT`, you should also change your `DATABASES` **if you have downloaded your own assessment items** and you want to keep the read-only assessment_items database (~50 MB) together with your other media contents (for portability). Example:

```
from kalite.project.settings.base import *
CONTENT_ROOT = '/example'
DATABASES['assessment_items']['NAME'] = os.path.join(CONTENT_ROOT, 'assessmentitems.sqlite')
```

- `ASSESSMENT_ITEMS_ZIP_URL = "scheme://path/to/assessmentitems.zip" (default=https://learningequality.org/downloads/ka-lite/0.15/content/khan_assessment.z` This is useful if you need an auto-deployment to fetch assessment items (exercises) from a local source. You

can use `kalite manage setup --dl-assessment-items` to automatically download assessment items.

- `TIME_ZONE = <desired time zone> (default = "America/Los_Angeles")` You can set this to be the local time zone for your installation. Choices can be found here.
- `LANGUAGE_CODE = "<desired ISO 639-1 Language Code>" (default = "en-us")` You can set this to the desired language code for this installation (All choices can be found here). If there are translations available, our web server will show them in KA Lite. Soon, we hope to provide support for internationalized content inside the KA Lite interface.
- `USE_I18N = <True or False> (default = True)` If you set this to False, our web server will make some optimizations so as to avoid loading internationalization tools. Things might run a little faster, but you won't have support for translated content.
- `USE_L10N = <True or False> (default = False)` By default, this is set to False. If you set this to True, Django will format dates, numbers and calendars according to the current locale. For example, January 5, 2000 would be 1/5/2000 if locale = "en-us" and 5/1/2000 if locale = "en-gb"

User restrictions

- `LOCKDOWN = <True or False> (default = False)` With this setting, users must be logged in order to access videos & exercises
- `DISABLE_SELF_ADMIN = <True or False> (default = False)` Disables user sign ups.

Online Synchronization

- `USER_LOG_MAX_RECORDS = <desired maxium for user log records> (default = 0)` When this is set to any non-zero number, we will record (and sync for online tracking) user login activity, summarized for every month (which is configurable, see below). Default is set to 0, for efficiency purposes–but if you want to record this, setting to 1 is enough! The # of records kept are not "summary" records, but raw records of every login. These "raw" data are not synced, but are kept on your local machine only–there's too many of them. Currently, we have no specific report to view these data (though we may have for v0.10.1)
- `USER_LOG_SUMMARY_FREQUENCY = <desired frequency (number, amount of time)> (default = (1, "months")` This determines the granularity of how we summarize and store user log data. One database row is kept for each student, on each KA Lite installation, for the defined time period. Acceptable values are: (1, "months"), (2, "months"), (3, "months"), (6, "months") - separate logged data for every month, 2 months, 3 months, or 6 months, respectively (1, "weeks") - separate logged data for every week ** NOTE THIS MAY PRODUCE A LOT OF DATA **
- `SYNC_SESSIONS_MAX_RECORDS = <desired max records of sync sessions> (default = 10)` Every time your installation syncs data, we record the time of the sync, the # of successful logs that were uploaded and downloaded, and any failures. This setting is how many such records we keep on your local server, for display. When you log in to our online server, you will see a *full* history of these records.

2.2 Coach User Manual

Who is a "coach"?

A person who :

- adds, manages, and tracks the progress of groups of students.

- has access to student progress data in the form of coach reports
- provides instructions to students

In addition, by default, coaches can:

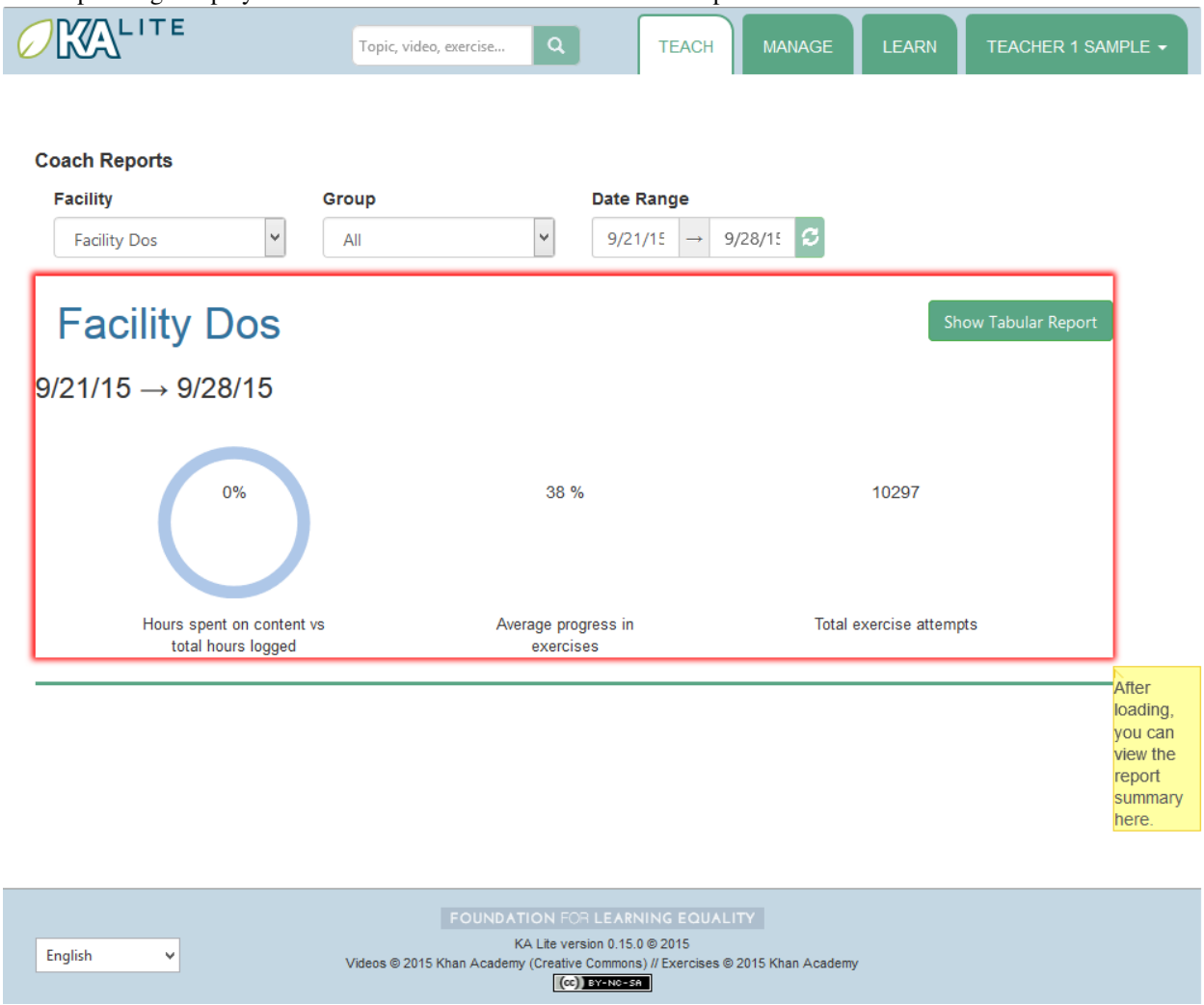
- create coach logins, Learner logins, download videos and language packs

(This can be disabled by the administrator with the RESTRICTED_TEACHER_PERMISSIONS setting)

2.2.1 Coach Reports

Coach reports are visualizations of the data generated by your learners. The goal of the coach reports is to put the data into an easy to understand format, so you can understand how learners are progressing and where they need the most help.

The Report Page displays an overview of the learners and a tabular report.



Overview

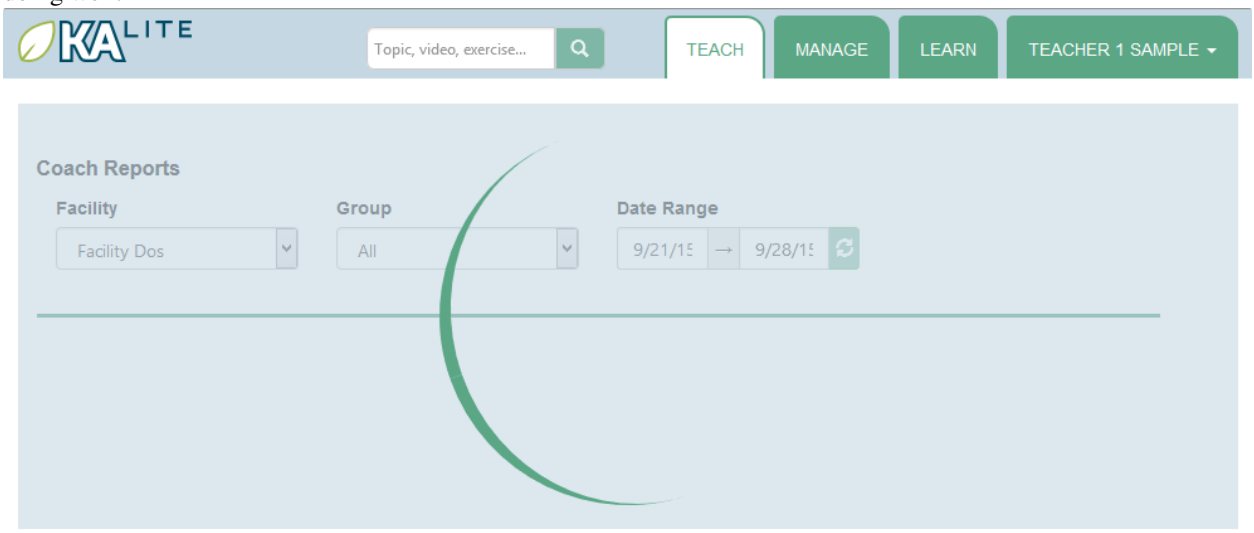
1. Select the "Teach" tab at the top of the page.
2. Select the appropriate facility from the drop down menu to view reports for a specific facility.

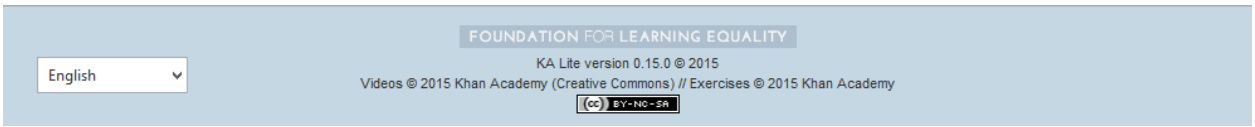
3. Select a group from the drop down menu to view the overivew for a specific group or leave the group as is.
4. The display should refresh with the data requested, for student activity from the previous week onwards.
5. To view data over a longer period, select the start and end date using the time picker, and click the 'refresh' icon next to the time picker.

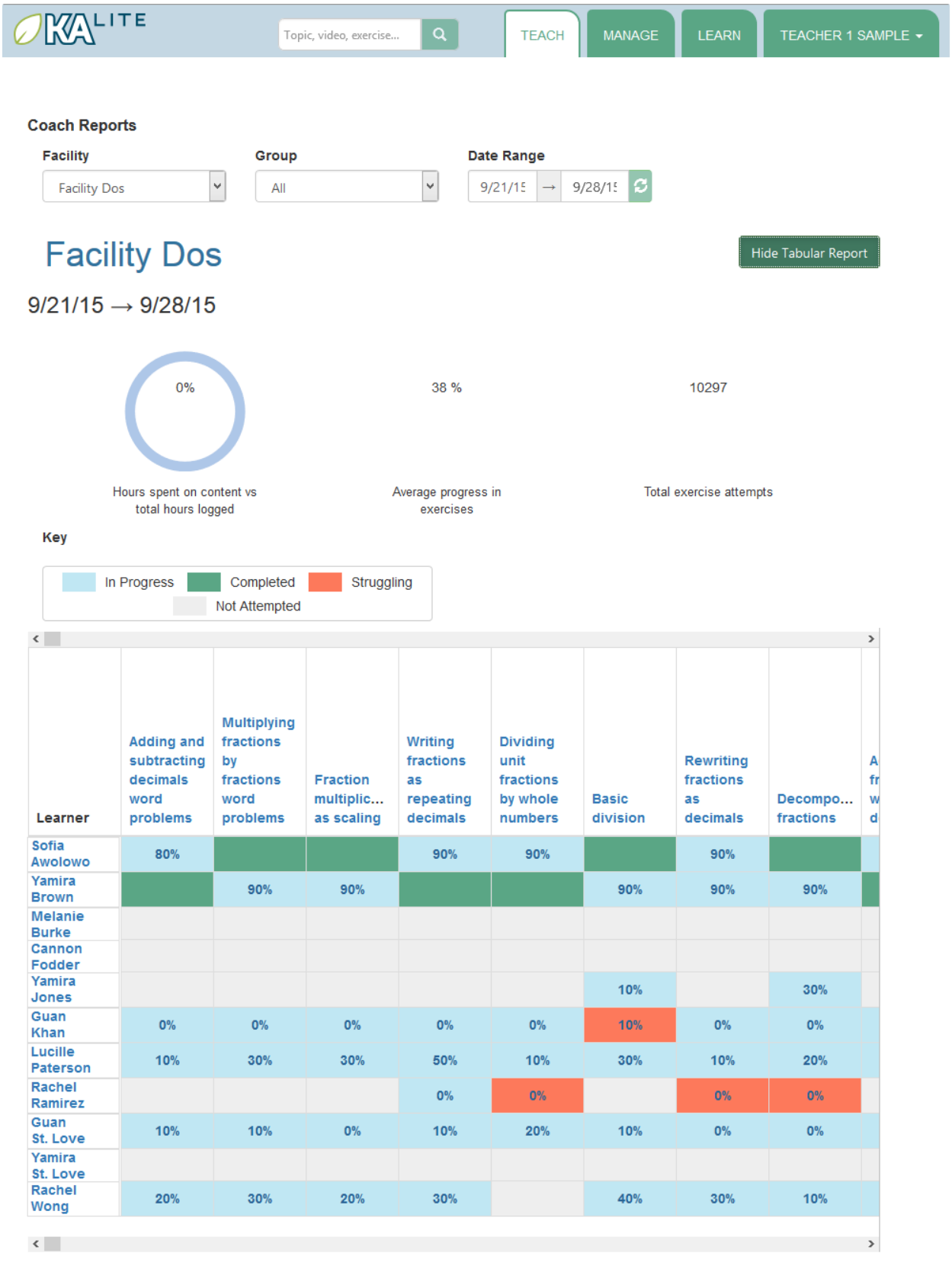
The overview will display the activity of the group: the percentage of hours logged on content versus exercises, the average progress in exercises, and the total exercises attempted.

Tabular Report

A tabular report is a grid that can show how students are doing in specific subjects at a high level. As a coach, you can select which group of students you'd like to check progress for, and which subset of videos or exercises you'd like to see reports on. This allows you to easily identify which areas learners are struggling in, as well as which learners are doing well.







Learner	Adding and subtracting decimals word problems	Multiplying fractions by fractions word problems	Fraction multiplic... as scaling	Writing fractions as repeating decimals	Dividing unit fractions by whole numbers	Basic division	Rewriting fractions as decimals	Decompo... fractions	A fr w d
Sofia Awolowo	80%			90%	90%		90%		
Yamira Brown		90%	90%			90%	90%	90%	
Melanie Burke									
Cannon Fodder									
Yamira Jones						10%		30%	
Guan Khan	0%	0%	0%	0%	0%	10%	0%	0%	
Lucille Paterson	10%	30%	30%	50%	10%	30%	10%	20%	
Rachel Ramirez				0%	0%		0%	0%	
Guan St. Love	10%	10%	0%	10%	20%	10%	0%	0%	
Yamira St. Love									
Rachel Wong	20%	30%	20%	30%		40%	30%	10%	

Progress By Topic

1. Click on the "Show Tabular Report" button.
2. A table should be generated with the data requested.

The color of the rectangles in the table indicate how that student is doing on a particular exercise. The following key explains the color code of the table cells (this information will also be available on the Coach Report page):

	Not Attempted: The student has not attempted the subtopic.
	In Progress: The student has completed a few questions.
	Struggling: The student is struggling on the subtopic.
	Completed: The student has completed the subtopic.

Detailed View

1. Click on the colored cells.
2. A panel should open up below the cell to reveal the number of questions attempted and the actions made on each exercise.
3. Click on the same cell to close the panel.

2.2.2 Exporting User Data

On the facility management page, you can find the "Export Data" button. If you click this button, you'll be taken to a page where you can export some user data in CSV format. This is so you can perform analyses on data accumulated in KA Lite using your own methods – in the future such tools may be included in KA Lite itself! You can select which resource you wish to export, and narrow down the list of users to draw data from by selecting facilities and groups. When you have made your selection, click the "Export" button to download a CSV file with the requested data.

Content Ratings

Select the "Ratings" option in the "Resources" dropdown. Ratings are tied to users and content items – each rating has a unique-together user, content type, and content id. The content id is suppressed in the output as it is not human readable, but is replaced with the title. The title of content items may not be unique – for example a video and an exercise might have the same title. In such cases, you can differentiate using the content type.

2.3 Learner User Manual

Who is a "learner"?

Anyone who uses KA Lite primarily for learning. Learner accounts will track individual progress through videos and exercises, and learners will only be allowed to view their own data.

2.3.1 Accessing KA Lite

There are two ways KA Lite can be used:

1. **Set up on a network with one main server, having machines connect to this server.** If this is the setup chosen, installation is not necessary on a learner's computer, as it can be accessible through a web browser with the IP address of the server. Simply copy and paste the server's IP address into your web browser any time you'd like to access KA Lite. If you are unsure what the address is, please contact your administrator.
2. **Installed for single user, on one machine.** If you are not accessing KA Lite through a network or wish to run KA Lite on your own computer, please follow the KA Lite Installation Guides first before proceeding with this user manual. Once you have done so, copy and paste the URL given during the installation process into a web browser to access KA Lite (it should be http://127.0.0.1:8008).

2.3.2 How to Sign Up

Learners may receive their account information from their Coaches or Administrators if their account has been pre-configured. However, it is possible for learners to create their own account. To create an account, please follow the instructions below:

1. Open KA Lite.
2. Click "Sign Up" at the top right of your screen.
3. If you are redirected to a page that asks you to select a facility, please select the facility to which you belong. If you are unsure which facility you belong to, please contact your administrator or coach. Skip this step if you do not see this page.
4. Fill out the information.
5. Click the "Create user" button when you are finished.

2.3.3 How to Log In

1. Open KA lite.
2. Click on the "Log In" tab.
3. Enter your username and password, and then click the "Log in" button.

2.3.4 Navigating through Content

To begin engaging with the Khan Academy videos and exercises, first make sure you are logged into KA Lite. Upon log in, you should see a green menu on the left that lists the content. If you do not see this green menu, please start by clicking on the "Learn" tab on the home page.

Start by selecting the subject you'd like to explore. This will expand the side menu, displaying subtopics within that subject.

The icons to the left of the menu selections describe whether or not it is a video, an exercise, or a menu that can be further expanded:

- icons designate that the selection can be further expanded into subtopics
- icons designate that the selection is an exercise for that topic.
- icons designate that the selection is a video for that topic.

Once you have found the video or exercise that you'd like to engage with, simply click on that selection.

Content Recommendation

The content recommendations based off of your current progress are on the homepage and becomes visible after you have made some progress on at least one exercise. After you have made any form of progress, this is the first page you should see after logging in. If at any point you would like to get to your homepage, please click on the KA Lite logo in the top left hand corner.

The homepage now provides you with three cards:

Resume: This card allows you to navigate to the last exercise you were on. This includes both videos and written exercises.

Next Steps: This card allows you to navigate to excercises you have begun; you can also to navigate to the over-arching topic to which that exercise belongs to.

Explore: This card recommends content for you based on topics you have completed and begun. This card also recommends random content from our collection of topics to encourage learning from multiple fields.

Content Rating

You can leave feedback on each content item. When you are logged in, you'll find a rating box below each content item. You can rate each content item on *Quality* and *Difficulty* on a 1 to 5 scale by clicking on the star icons. 1 represents the lowest rating, and 5 represents the highest rating. You can alter the ratings at any time by clicking on a different star icon.

After rating *Quality* and *Difficulty* you'll be able to leave any comments you wish. Simply click on the text box labeled *Your Comments* and type away! You can edit your comments freely.

At this time, you are only able to view your own ratings.

Coaches can export the ratings of all users in csv format.

2.3.5 How to Practice Exercises

First, please log into KA Lite. Then, navigate to the topic that you'd like to practice exercises for.

To answer a question, enter the answer in the box on the top right of the module, or select the bubble next to the answer choice in the exercise panel. Once you have decided on your answer, click "Check Answer".

After answering a question, the exercise module will not advance to the next question until you click the "Next Question..." button on the right hand side of the module.

The bar on the top right will display your progress as you go through the exercises. After 8 correct answers out of the last 10 answered, your points for the exercise will be added to our total and you will have mastered the exercise. If you get an answer wrong or ask for a hint, you will be unable to earn points from that question until it is presented again.

Hint: If you are stuck on a problem, you can ask for a hint by clickin on the "Show hints" button! Use your hints

wisely, for there are a limited number of them for every section.

Saved Progress

If at any point during an exercise you wish to watch a video to refresh your memory, feel free to navigate to the video by expanding the green tab which will bring up the content menu. Your progress for that exercise will be saved and you will not lose your work.

2.3.6 How to View Your Progress

At any point in time, you should be able to view your progress on any topic. In order to do this,

1. Log into KA Lite.
2. Then, click on your name in the top right of the page.
3. It will then show a drop-down menu, from which you can click on "My Progress".

On the progress page, you will be able to view your progress on each topic. There will be two bars for each topic. The top bar represents your progress on the videos for that topic, and the bottom bar will represent your progress on the exercises for that topic.

This guide assumes that you have already downloaded and installed the KA Lite software on your computer. If you have not yet completed these steps, please see the KA Lite Installation Guides.

2.4 Introduction

KA Lite is a lightweight web application software that allows users without Internet access to engage with Khan Academy videos and exercises in completely offline settings. It brings the flipped classroom model to some of the most remote areas in the world. Users can track their progress through videos and exercises, and coaches can log in to check students' progress, identifying which areas the students need the most help in. If KA Lite ever reaches an Internet connection, it can sync this usage data with the KA Lite Hub – an online data repository that allows project administrators to view data and manage accounts remotely of offline deployments.

2.4.1 What are the goals of KA Lite?

Learning is fundamental to human flourishing, and at Foundation for Learning Equality, we strive to support learning opportunities on every front. That's why we created KA Lite, with the goal of making high-quality educational resources and tools provided by Khan Academy accessible to the estimated 65% of the world that don't have access to Internet.

2.4.2 How KA Lite works

KA Lite can be used in two different ways, depending on your needs:

1. KA Lite can be installed on one local computer which acts as a server, with client devices connecting to this local server to watch the Khan Academy videos, and to work on practice problems. A coach/teacher can then check on each student's progress. This method is typically used by schools and other educational institutions.
2. KA Lite can be installed on the client device itself, and be used to download Khan Academy videos for offline viewing. In this way, KA Lite is almost like a piece of software that you'd install on your computer, except it runs in the Internet browser.

2.4.3 Who can use KA Lite?

Reaching offline or low-bandwidth communities with KA Lite is a team effort, and we find that a wide variety of people come together to make that happen. In a typical KA Lite deployment, there are 3 types of people involved with the project, which are organized into user types:

1. **Administrators** Administrators plan out the deployment and logistics, procure the devices and installs KA Lite, and oversee their delivery and integration into the classroom or community. They can also update the software, add content, customize configuration settings, and manage user accounts.
2. **Coaches** Coaches (also referred to as 'facilitators' or 'teachers') are users who add, manage, and track the progress of groups of students. They have access to student progress data in the form of coach reports, and can step in and provide individualized instruction when the student needs it.
3. **Learners** Learners (also referred to as 'students') are users who use KA Lite primarily for learning. They earn points for watching videos and answering exercises correctly, and their progress is tracked by the system.

CHAPTER 3

Frequently Asked Questions

3.1 How do I install KA Lite?

Information on how to install KA Lite is available via our user guides.

3.2 How much does KA Lite cost to install?

It is **FREE** – both free as in "free speech" and free as in "free beer"! To learn more about free software, see this Free Software Foundation article

3.3 How do I report a problem?

Please follow the instructions on our Github Wiki for reporting bugs.

3.4 How do I change KA Lite's content folder?

If you want to change your installation's content folder from the default (say, to point to a shared folder across installations), see how to configure CONTENT_ROOT in the "*Configuration Settings*" section.

3.5 Is there somewhere I can find Spanish language content organized by topic?

Yes! Thanks to the efforts of an awesome volunteer deploying KA Lite and other OER in the Sacred Valley in Peru, you can download blocks of Spanish Lanugage content from his public Google Drive folder. You can also follow his deployment at http://www.huacamayu.org/.

3.6 I would like to download the videos for KA Lite via BitTorrent, is this possible?

Yes! Please see the instructions for "*Downloading Videos in Bulk*".

3.7 How can I install a language pack without a reliable internet connection?

To install, a language pack on a computer without internet access, look up the language code for the language you wish to download:

Language name	Code
Arabic	ar
Bulgarian	bg
Burmese	my
Danish	da
English	en
French	fr
German	de
Hindi	hi
Kannada	kn
Lao	lo
Polish	pl
Portuguese, BR	pt-BR
Spanish	es
Swahili	sw
Tamil	ta
Xhosa	xh
Zulu	zul

Once you've determined the right language code, you can download the right language pack using this url:

```
http://keep.learningequality.org/media/language_packs/0.15/<code>.zip
```

where <code> is replaced by the right language code. You can now carry around that zip file to computers you want to install the language pack to.

You can install the language pack with the following command (for Debian and OS X):

```
kalite manage languagepackdownload --from-file=<path to zip file> -l<language code> --commandline
```

Or for Windows:

```
<path to KA Lite installation>\bin\windows\kalite.bat languagepackdownload --from-file=<path to zip f
```

An example invocation for Windows would be:

```
C:\Program Files\KA Lite\ka-lite\bin\windows\kalite.bat languagepackdownload --from-file="C:\Downloa
```

After starting up your server, you should now see your new language in the Manage > Language page.

3.8 Do I need the internet to run KA Lite?

No. The only time you need an internet connection is for the initial download of the content (either to the target device, or to a USB stick that can then be carried or mailed). After installation, you can serve the content from a local server or use it directly on the server device without an internet connection.

3.9 How do you operate in the field?

The Learning Equality team primarily works in our San Diego offices, building software and shaping our roadmap based on our interactions with our partners around the world. We work with individual humanitarians and NGOs of all sizes to help them distribute KA Lite to offline communities around the world.

3.10 What are the typical deployment scenarios?

A typical school deployment varies depending on whether or not a school already has a computer lab.

School with an existing computer lab: In this case, KA Lite would be deployed as a server on one of the existing computers. Students would connect using client devices over the local intranet.

School with no existing computer lab: For schools that do not have an existing computer lab, a KA Lite deployment would involve obtaining a device that can run as a KA Lite server (most computers) and other devices to be used as clients. One common configuration is using a Raspberry Pi or other inexpensive computer as a server and relatively cheap tablets as client devices.

3.11 What are some possible hardware configurations for deploying KA Lite?

You will need:

1. A computer that is running the KA Lite software (e.g. a desktop computer, laptop, or Raspberry Pi).
2. One or more client devices that have web browsers (laptops, tablets, desktop computers, etc)

Note that for a single-user deployment (1) and (2) can be the same computer, with the browser connecting to the locally running KA Lite server software. To make the software accessible to multiple client devices, you will need to put them on the same local network as the KA Lite device (1), e.g. through a router.

3.12 What sort of processing power is required for KA Lite?

KA Lite has very low processing requirements, and can be run as a server on devices with processors as low-powered as the $35 Raspberry Pi, using about 100MB of RAM. There is also low processing power required for client devices as well, and any browser that supports HTML5 video with h264 encoding or Flash Player should be able to function as a client device.

3.13 What are the operating system (OS) and software requirements for running KA Lite?

KA Lite can run on almost any major operating system: Windows, Linux, and Mac/OSX. The only software dependency is the Python 2.7 runtime.

3.14 What is data syncing?

KA Lite is capable to share your student progress data with a central data repository when you are online. This enables the system to have an online backup of your data, allows you to view your student progress online, and to share your data across multiple KA Lite installations.

3.15 Who maintains the KA Lite project?

KA Lite is created, maintained, and operated by the Foundation for Learning Equality, Inc, a California-based nonprofit organization.

3.16 What is KA Lite's affiliation with Khan Academy?

KA Lite is an independent, open-source project maintained by Learning Equality, and is not officially affiliated with Khan Academy, although they are very supportive of the KA Lite project, and are one of our key partners.

3.17 How can local curriculum be generated?

Local content creation is something that Learning Equality intends to build into future platforms. If you would like to be notified when it is available, subscribe for updates on our home page, or if you would like to help fund this project, please click here.

3.18 How is it possible to compress the content into KA Lite?

First, users are able to select which videos they wish to download through the user-interface, allowing the users to customize the amount of space used.

3.19 What languages is KA Lite available in?

KA Lite was released with internationalization support on 2014/03/07, including support for a translated interface, dubbed videos, subtitles, and translated exercises. Currently we have varying levels of support Portuguese, Danish, French, Polish, Spanish. Please visit our blog for the latest information about language support.

3.20 Can I contribute to KA Lite as a developer?

Yes! KA Lite is an open source project, and developers are encouraged to contribute! If you are interested in developing for KA Lite, check out the instructions for getting started.

3.21 Can I contribute to KA Lite as a translator?

Yes, absolutely! If you would like to contribute to KA Lite as a translator, you can get started over on our translations and internationalization page on our GitHub Wiki!

3.22 Can I contribute even if I don't know how to code?

Yes! There are many ways!

3.23 How do I find out more?

To stay up-to-date on all our activities, follow our blog, Twitter, and Facebook!

3.24 How does Learning Equality measure the impact of KA Lite?

Because KA Lite is freely available and designed to run offline, collecting impact data can be challenging.

KA Lite is capable of synchronizing data with our central data repository when an online connection exists.

For the deployments in which we do have direct involvement, we receive updates from our partners with quantitative data from the built-in coach reports and attain qualitative data from our on-site visits. For example, we know that 20 out of 20 students in the Idaho Department of Corrections deployment have passed their GED using KA Lite.

3.25 Backing up data: is there any easy way to do it locally?

Yes! Just copy the `.kalite` folder, typically located in `/home/user/.kalite`. To restore, simply copy the backup data file to the same location. If you have changed versions, please run:

```
kalite manage setup
```

to guarantee your database is compatible with the current version of KA Lite you have installed! Note that online data back-ups occur if you "register" your KA Lite installation with an online account on our website.

If you only want to backup the database, locate the `.kalite/database/` folder and copy and restore that one.

3.26 I skipped the step for downloading the assessment items during install, how can I do it now?

Run the following command (beware it can take a while, the download size is over 500 MB):

```
kalite manage unpack_assessment_zip https://learningequality.org/downloads/ka-lite/0.15/co
-f
```

As an alternative, you can download the zip file from https://learningequality.org/downloads/ka-lite/0.15/content/assessment.zip and run the command on your local copy. This is useful if you're deploying KA Lite on multiple computers.

CHAPTER 4

Contributing and Development

Want to contribute? You can check us out on github, or browse the link(s) below.

4.1 How can I contribute to...

4.1.1 How to contribute to documentation

You can propose changes to the docs directly on Github (instructions below) or email your recommendations to info@learningequality.org.

To propose changes directly, you'll need to create an account on github and open a pull request. This document assumes you are somewhat familiar with that process, and will not explain all the steps in detail. For full instructions on how to make a pull request, see Github's help section.

Documentation development

1. Work from the *develop* branch.
2. From the base directory, the documentation can be found in the `docs/` subdirectory. Specific pages of the docs are each associated with a different .rst file, potentially in a subdirectory of `docs/`.
3. The documentation is written in ReStructured Text format, so please see the primer!
4. After making your changes, try to build the docs to review them. This process can take some time, as an instance of the server and a browser may need to be started. To build the docs:

```
pip install -r requirements_sphinx.txt  # To install software for building docs
cd docs
make html
```

5. You can view the docs in a browser by opening *docs/_build/html/index.html*.
6. After you are satisfied with your changes push them to your fork of the ka-lite project, and then open a PR.

Screenshots

Screenshots are made automatically following the screenshots directives. They are stored in a folder `docs/_static/`, which is also sync'ed to Github (TODO: This is a temporary procedure).

To grab new screenshots, you have to have Firefox installed and run:

```
cd docs/
SPHINX_SS_USE_PVD=true make SPHINXOPTS="-D screenshots_create=1" html
```

You can also refer to `docs/SCREENSHOT_USAGE.MD` for more info about the screenshot RST directive.

CHAPTER 5

Developer Docs

Useful stuff our devs think that the rest of our devs ought to know about.

5.1 Setting up your development environment

5.1.1 Recommended setup

KA Lite is like a normal django project, if you have done Django before, you will recognize most of these steps.

1. Check out the project from our github
2. Create a virtual environment "kalite" that you will work in:

```
sudo pip install virtualenvwrapper
mkvirtualenv kalite
workon kalite
```

3. Install kalite in your virtualenv in "editable" mode, meaning that the source is just linked:

```
cd path/to/repo
pip install -e .
```

4. Install additional development tools:

```
pip install -r requirements_dev.txt
```

5. Run a development server and use development settings like this:

```
kalite manage runserver --settings=kalite.project.settings.dev
```

You can also change your `~/.kalite/settings.py` to point to `kalite.project.settings.dev` by default, then you do not have to specify *–settings*=... every time you run kalite.

Now, every time you work on your development environment, just remember to switch on your virtual environment with `workon kalite`.

5.1.2 Running directly from source

KA Lite can also be run as a "source distribution" for development purposes. By this, we just mean a git checkout (from our github).

Note: Running directly from source will also maintain all user data in that same directory! This is convenient for

having several versions of kalite with different data on the same computer.

If you are able to use pip and install conventional python packages from an online source, then the quickest option to install the latest stable release of KA Lite is `pip install ka-lite` or `pip install ka-lite-static`.

5.1.3 Static vs. Dynamic version

Apart from Python itself, KA Lite depends on a couple of python applications, mainly from the Django ecology. These applications can be installed in two ways:

- **Dynamic: That means that they are automatically installed through** *PIP* as a separate software package accessible to your whole system. This is recommended if you run KA Lite and have internet access while installing and updating.
- **Static: Static means that KA Lite is installed with all the external** applications bundled in. Use this method if you need to have KA Lite installed from offline media or if KA Lite's dependencies are in conflict with the system that you install upon.

5.1.4 Virtualenv

You can install KA Lite in its very own separate environment that does not interfere with other Python software on your machine like this:

```
$> pip install virtualenv virtualenvwrapper
$> mkvirtualenv my-kalite-env
$> workon my-kalite-env
$> pip install ka-lite
```

5.2 Front End Code

All of our front end code is written in Javascript, with much of it using Backbone.js (and its dependencies jQuery and Underscore.js).

All new code, where possible, should be written using Backbone.js to modularize functionality, and allow code to be reused across the site.

Inline Javascript (i.e. Javascript directly in the Django templates inside <*script*> tags) should be avoided except where absolutely necessary (such as to initialize some master object on a page).

For templating on the front end, we use Handlebars.js to render templates with a restricted set of statements and access to all variables passed into the template context.

5.3 Modularity

In order to maintain modular code and be explicit about our dependencies, we use Browserify to build Javascript code into bundles for use on the client side.

To specify a bundle to be imported into the page, you need to create a 'bundle module' - this will be automatically detected by our Javascript build script, and be built into a bundle that can then be included as a script tag in a Django template.

'Bundle modules' are specified inside the static/js directory of a Django app - e.g. 'bundle modules' in distributed are under `kalite/distributed/static/js/distributed/bundle_modules`. Here is a simple example of a bundle_module:

```
var $ = require("base/jQuery");
var TopicChannelRouter = require("topics/router");
var Backbone = require("base/backbone");

module.exports = {
    $: $,
    TopicChannelRouter: TopicChannelRouter,
    Backbone: Backbone
}
```

This is the 'learn' bundle module (a file called learn.js in the above directory) - all it specifies is a set of top level objects that need to be exposed to be run within the context of the Django template (because we need Django template context variables to be passed into the Javascript) - here are the relevant `<script>` tags from the template:

```
<script src="{% static 'js/distributed/bundles/bundle_learn.js' %}"></script>
<script type="text/javascript">
    var bundle = require("learn");
    bundle.$(function() {
        window.channel_router = new bundle.TopicChannelRouter({default_channel: "{{ channel }}"})
        bundle.Backbone.history.start({pushState: true, root: "{% url 'learn' %}"});
    });
</script>
```

Here, we `require` the learn bundle (all bundles can be referenced by their name in this way), and are then able to access the objects defined in its `module.exports`.

For more information about using Browserify to handle dependencies, please refer to the Browserify Handbook.

5.4 Building Frontend Code

The build script uses node.js - to run the build server for production simply run `node compile_javascript.js`.

Alternatively, for development, running `bin/kalite start` with the `--watch` flag will automatically run the build process in watch mode, recompiling Javascript as it changes, on the fly.

If you prefer to run the compilation process separately, it has the following flags:

```
--watch         Run in watch mode - automatically recompile Javascript when modules imported into bu
--debug         Compile in debug mode - do not minify source code, and create source maps for easier
--staticfiles   Saves built files directly to the static files dir, rather than into the original ap
```

5.5 Implementing with Backbone

Most of our front end code uses only three kinds of objects, Backbone Models, Collections, and Views.

Backbone Models contain data that we use to render the page - in the case of a coach report, for example, this might be data about each student.

Backbone Collections are groups of Models - so you might have a Collection where each model represents the progress data for an individual student.

The Views define how this data is displayed in the browser, and also defines responses to user interaction to the current display.

Most Views also have an associated Handlebars template, which defines the HTML and how the data passed into the template is displayed in the rendered View.

Often the data contained in a Backbone Model can change while the user is still on the same page (for example, a student's total points can change while they are interacting with an exercise, so we want their displayed points to update whenever the 'points' attribute of the model updates too).

Here is an example of a Backbone View in KA Lite that does just that:

```
var TotalPointView = Backbone.View.extend({

    initialize: function() {
        _.bindAll(this);
        this.listenTo(this.model, "change:points", this.render);
        this.render();
    },

    render: function() {

        var points = this.model.get("points");
        var message = null;

        // only display the points if they are greater than zero, and the user is logged in
        if (!this.model.get("is_logged_in")) {
            return;
        }

        message = sprintf(gettext("Points: %(points)d "), { points : points });

        this.$el.html(message);
        this.$el.show();
    }

});
```

The `initialize` method is called whenever a new instance of `TotalPointView` is instantiated (by calling e.g. `my_total_point_view = new TotalPointView({model: model})`). There are several arguments that will automatically get set on the view if passed in to the constructor, model is one of them. See the Backbone.js for more details.

`_.bindAll(this);` is included in many `initialize` methods we use, this helps to ensure that whenever a View method is called, then the `this` variable inside each method always refers to the view itself - without this, especially when methods are called due to being bound to events, the `this` variable can refer to something completely different.

`this.listenTo(this.model, "change:points", this.render);` is an example of such an event binding. Here, the view is being told that whenever its model fires the event "change:points", then it should call its own render method (`this.render`). Backbone models fire "change" events whenever one of their attributes changes, and also a specific event like "change:points", which would only fire when the 'points' attribute of the model changes.

Finally `this.render();` calls the render method of the view. This method is generally reserved for creating and modifying DOM elements that we will insert into the page.

Inside the render function `var points = this.model.get("points");` locally defines the points - as you can see from this example, to access the attributes of a Backbone Model, the `get("<attribute>")` method is used.

The content to be rendered into the DOM in this instance is so simple that a Handlebars template is not used. Rather `message = sprintf(gettext("Points: %(points)d "), { points : points });` simply fills in the `%(points)d` with the 'points' attribute of the second argument of `sprintf`. See the sprintf docs for more information.

The part of the page that the view is scoped to can be refered to by `this.$el` - this is a jQuery object for the subsection of the DOM of the view, so any whole view operations (such as `this.$el.html(message);` or `this.$el.show();`) will change the entire subsection of the DOM for that view (but will normally only be a subset of the DOM of the entire page). `this.$el.html(message);` sets the entire HTML content of the view DOM subsection to the content of the `message` variable, and `this.$el.show();` makes the DOM subsection visible.

5.6 Creating Your Own Backbone View

To create a new Backbone View, you will either add to an existing Javascript file in the project, or create a new file. For example if you were to add a new View to the coachreports app you could create a file under `kalite/coachreports/static/js/coachreports/hexagon_report.js`. Some boilerplate to start off with might look something like this:

```
var HexagonReportView = BaseView.extend({

    template: HB.template("reports/hexagon-counting")

    initialize: function() {
        _.bindAll(this);
        this.listenTo(this.model, "change:number_of_hexagons", this.render);
        this.render();
    },

    render: function() {
        this.$el.html(this.template(this.model.attributes));
    }

});
```

`this.$el.html(this.template(this.model.attributes));` this line will insert all the attributes of the model into the template for rendering, and then set the HTML of the subsection of the DOM for the view to the resulting HTML.

For this to work, there must be a file `kalite/coachreports/hbtemplates/reports/hexagon-counting.handlebars` that contains the Handlebars.js template for this view. For a simple report, the template might look something like this:

```
<div class="hexagon-report">
    <h3>{{_ "Hexagon Report" }}</h3>
    <p>{{_ "Current number of hexagons:" }}{{number_of_hexagons}}</p>
</div>
```

To have this render in a particular Django template, both of the above files would need to be imported through `<script>` tags in the Django template. The relevant tags to add in this case would be:

```
<script src="{% url 'handlebars_templates' module_name='reports' %}"></script>
<script type="text/javascript" src="{% static 'js/coachreports/hexagon_report.js' %}"></script>
```

Note that for the Handlebars importing, only the folder name is necessary to be imported, not each individual template. It is also important that you do not place this script tag inside a Django-Compressor compress block.

Finally, to actually have this render on the page, we would need to have a Backbone Model that is able to fetch the data from an API endpoint on the server, and when the fetch is successfully completed, prompt the view to be created. Assuming we have a HexagonReportModel already defined, we could insert the following code into the template to initialize this report:

```
<script>
    $(function(){
        window.hexagonReportModel = new window.HexagonReportModel();
        hexagonReportModel.fetch().then(function(){
            window.hexagonView = new HexagonReportView({
                el: $("#student-report-container"),
                model: hexagonReportModel
            });
        });
    });
</script>
```

Line by line this means - `$(function(){<code here>});` wait for the browser to finish rendering the HTML before executing the code inside this function. `window.hexagonReportModel = new window.HexagonReportModel();` make a new instance of the HexagonReportModel. `hexagonReportModel.fetch().then(function(){<code here>});` get the data for this particular model from the server, and when that has finished, then execute the code inside the function.

```
window.hexagonView = new HexagonReportView({
    el: $("#student-report-container"),
    model: hexagonReportModel
});
```

make a new instance of the HexagonReportView. This will automatically call initialize and so the view will render. In addition, `el: $("#student-report-container"),` tells the view that it should set its subsection of the DOM to be the DOM element selected by `$("#student-report-container")` (i.e. the element with the id 'student-report-container'), and `model: hexagonReportModel` tells it to set its 'model' attribute to the hexagonReportModel we instantiated and fetch before.

5.7 TL;DR (or 7 quick steps to creating a Backbone View in KA Lite)

1. Find the appropriate app folder inside KA Lite - inside <folder>/static/js/<folder>/ either create a folder for your Backbone files, or find an existing one with a name that fits.
2. Inside this folder either create or open views.js.
3. To start creating a view, type: `var MyViewNameView = BaseView.extend({});`
4. Define at least an `initialize` method, and a `render` method.
5. If you want a Handlebars template for your View, look inside <folder>/hbtemplates/ and either create a folder for your Handlebars templates, or find an existing one with a name that fits.
6. Inside this folder create a new file for your handlebars template `mytemplatename.handlebars`.
7. Add this to your View definition code (inside the curly braces and don't forget commas to separate key/value pairs!): `template: HB.template("<templatefolder>/mytemplatename").`

5.8 Purpose and creation of Javascript Unit Tests in KA Lite

5.8.1 Purpose

Our Backbone Models and Views can end up having a lot of methods. It is important that all of those methods observe the correct input output characteristics. Hence it is important that we write tests that guarantee that our methods either take the correct input and produce the right output, or, as is often the case, produce the right side effects on models, views, or the DOM.

In pursuit of this lofty goal of having every method and object testable and tested, there will be some requirements of refactoring along the way. Some of the code that has already been written for the KA Lite project is not conveniently parcelled in such a way as to be conducive to testing individual components in an atomic fashion. In order to ensure that functionality does not break as a result, we have integration tests (which are currently only implemented using Selenium scripted by Python) - for now we are avoiding writing such integration tests in Javascript as well so as to avoid duplication.

5.8.2 Setting up your Test Environment

1. **Install requirements:**
    - install node if you don't have it already.
    - install pip if you don't have it already.
2. Install the dependencies listed in requirements.txt: `pip install -r requirements.txt`
3. Install the dependencies listed in packages.json: `sudo npm install`

5.8.3 Getting Your Javascript to be Testable in KA Lite

Before you can test your javascript, it must be capable of being bundled in such a way that django-compress (the asset compression package we use) is able to write it to a Javascript file which can then be loaded by the Javascript test runner, karma.

In order to make this happen, use compression tags around blocks of Javascript script imports inside django templates for example, from learn.html:

```
{% compress js file learnjs %}
<!--[if !IE]> -->
<script src="{% static "video-js/video.js" %}"></script>
<script src="{% static "video-js/video-speed.js" %}"></script>
<script>
    _V_.options.flash.swf = window.flash_swf;
</script>
<!-- <![endif]-->
<script src="{% static "soundmanager/soundmanager2-nodebug-jsmin.js" %}"></script>

<script src="{% static 'js/distributed/content/models.js' %}"></script>
<script src="{% static 'js/distributed/content/views.js' %}"></script>

<script src="{% static 'js/distributed/video/models.js' %}"></script>
<script src="{% static 'js/distributed/video/views.js' %}"></script>

<script src="{% static 'js/distributed/audio/views.js' %}"></script>

<script src="{% static 'js/jquery.slimscroll.min.js' %}"></script>
```

```
<script src="{% static 'js/distributed/topics/models.js' %}"></script>
<script src="{% static 'js/distributed/topics/views.js' %}"></script>
<script src="{% static 'js/distributed/topics/router.js' %}"></script>

{% endcompress %}
```

You will also need to inclue the tag `{% load compress %}` at the top of a template in order to make use of the `compress` template tag.

Let's examine the important details of `{% compress js file learnjs %}` - the `compress` tag name is followed by the kind of file being compressed (`js`), then two optional parameters. The first tells django-compress to compress the assets to a separate file (rather than rendering the concatenated Javascript inline in the HTML), the second gives a name to the code block. This should be a unique name across the entire code base. At current there is no way to know what names have already been used, except by examining karma.conf.js in the root of the project.

The name of the block is important for making it available for Javascript testing - it needs to be manually added to the karma.conf.js here:

```
// list of files / patterns to load in the browser
files: [
  file_map['basejs'].slice(1),
  file_map['perseusjs_1'].slice(1),
  file_map['perseusjs_2'].slice(1),
  file_map['learnjs'].slice(1),
  file_map['pdfjs'].slice(1),
  // INSERT NEW JAVASCRIPT BUNDLES HERE
  '**/tests/javascript_unit_tests/*.js',
  'testing/testrunner.js'
],
```

So if you had created a new compression block called 'exparrotshop' then you would add the element `file_map['exparrotshop'].slice(1)` to the array.

5.8.4 Writing a Test

You are now ready to write a test. All Javascript unit tests live inside the appropriate app. For example, if you were writing a unit test for Javascript code for the coachreport app, you would put your test file in kalite/coachreports/tests/javascript_unit_tests/. Call your file the name of the Model, View, or Router you are testing, or use an existing test file if you are extending an already tested Model or View. For example, the Session Model test file is called:

```
session_model_test.js
```

Each test file should start with a definition statement:

```
module("Session Model Tests", {
  setup: function() {
    return this.sessionModel = new SessionModel();
  }
});
```

The text gives the name of the suite of tests you will be writing in this file. The `setup` method defines something that happens prior to every single test being run. `this` gets returned to every subsequent test as `this` also, so anything set as an attribute of `this` will be available inside each test.

After the module definition, you can define any number of tests. Here is a simple example:

```
test("Default values", function() {
  expect(2);

  equal(this.sessionModel.get("SEARCH_TOPICS_URL"), "");
  equal(this.sessionModel.get("STATUS_URL"), "");
});
```

This simple test is checking the default values for the Session Model defined during the setup method above. At the beginning of the test, we declare how many assertion statements will be made during the course of the test. Not specifying this number correctly will cause a failure. The tests are written in QUnit whose docs can be referred to for a complete set of assertions.

5.8.5 Running Tests

When you have written your tests, before you can run them, we need to bundle the Javascript for testing. In order to do this, from the root of the project run:

```
bin/kalite manage bundleassets
```

This will bundle all the django-compress tags and make concatenated files. It will also update the file_map that our Karma config uses to find these files. When this is complete, simply run:

```
karma start
```

This will run through all the Javascript tests and report on failures. N.B. Karma is often, and most helpfully, run in continuous integration mode - our code base does not currently suppor that, but hopefully will in the future.

5.9 Behavior-Driven Integration Tests

Part of our comprehensive testing intiative is to write better integration tests. The goals are to:

1. Stop using browser driven integration tests as unit tests. (Such slow...)
2. Have robust integration tests that don't fail randomly.
3. Use behavior-driven tests to clarify design goals of features.

We're using behave 1.2.4 to run our integration tests. Behavior driven tests are specified using the Gherkin specification language, and then behave builds a test suite from step implementations that are directly mapped to clauses from the Gherkin specification.

5.9.1 Running the integration tests

To get the dependencies run `'pip install -r dev_requirements.txt'`. This should install the correct version of behave. Selenium is also required but is currently included in our python-packages directory.

To run the tests simply run `'python kalitectl.py manage test'` just like you used to. This will automatically search out tests using both the unit test framework and the behave framework. You can specify apps, but right now there's no way to just run integration tests.

5.9.2 Anatomy of the integration tests

The test command will look inside each app for a `'features'` directory. Inside that directory should be one or more `'[name].feature'` files written in the Gherkin specification language. See the behave docs for more details

on Gherkin, or look in the `'control_panel'` app, where your humble author has attempted to provide some examples.

The test runner will parse the `'.feature'` files and attempt to build a test suite from step specifications found in any python files (the name is irrelevant) in the `'steps'` subdirectory. There is a 1-to-1 mapping between the clauses you write in the Gherkin specification and the steps you implement, so it can save you time to reuse clauses. Steps can also be templated to match clauses that follow a pattern.

You can also set up the test environment at key stages in the testing process by writing hooks in an `'environment.py'` file in the `'features'` directory. In the `'control_panel'` example, the `'before_feature'` function is defined to log the testing user in as an admin before each feature tagged with the `'@as_admin'` tag in the specification. In `'testing/base_environment.py'`, the `'before_all'` and `'after_all'` hooks are defined to set up a Selenium WebDriver instance on the context object that is passed around by the test runner. This file is intended to be used as a base for all the integration tests, so if there is some setup common to all integration tests then put it there. You can then import those functions in the `'environment.py'` of specific apps, and extend or overwrite as necessary.

Finally, in `'testing/behave_helpers.py'` you'll find various functions that should be generally useful for all integration tests. If you find yourself wishing you had a nice useful function, add it here. In order to avoid reproducing functionality while we phase out the old integration tests, if some functionality already exists in the form of a mixin, you should import it into that file and wrap it in a new function. Be very reticent about importing mixin code! A good rule of thumb is to glance at how something is implemented in the mixins first, and only import it if it's not trivial to reproduce. Only re-write if there's *no* chance of the new code producing an error! The main goal is to avoid maintaining two sets of code.

5.9.3 Suggested workflow for writing new features

Ideally you should:

1. Specify your integration tests.
2. Write failing steps.
3. Write code that makes your tests pass.

In practice, at least try to specify the tests first. Then you can seek out assistance implementing the steps.

5.9.4 Selenium gotchas (aka race conditions)

Finding elements on the page can be subject to race conditions if the page is not yet completely loaded, or if the DOM changes in response to AJAX stuff. Selenium pprovides methods for finding elements with and without explicit waits. When in doubt, use a wait. If your app is AJAX-y, write testable code by putting in events or flags that Selenium can explicitly wait for. The Selenium `'get'` method of browsing will wait for the page to fully load. *Do not assume* that following links using e.g. the `'click'` method will wait for the page to load – *it does not*. To summarize:

1. Incorporate explicit flags in your code that Selenium can use in waits.
2. Don't use unsafe methods that don't wait unless you're 100% certain there's no possibility for a race condition.

5.10 Profiling KA Lite

5.10.1 Getting a general overview of resources used

To get a sense of the resources used by KA Lite over a period of time, run the *kalite* command with the *PROFILE* environment variable:

```
PROFILE=yes kalite <command>
```

Upon normal exit, the program will write to a file called *memory_profile.log* containing the time and resource utilization. For now we only log memory usage.

5.11 Developer Utility Commands

5.11.1 Django Management Commands

All Django management commands can be run by typing:

`kalite manage <command_name>`

in the root directory of the KA Lite project.

5.11.2 generaterealdata

This function is designed to produce example user data for testing various front end functionality, such as coach reports and content recommendation. It does take some shortcuts, and will not produce accurate answer data for exercises. This is a Django management command and can be run with the following command:

`kalite manage generaterealdata`

5.12 Logging

If you wish to view output from the server, you have a few options:

- Start the server using the command `kalite manage runserver` (this doesn't start the job scheduler).
- Start the server with `kalite start --foreground`. This will start the server using CherryPy and a single thread, with output going to your terminal.
- Run the normal mode `kalite start`, and check `~/.kalite/server.log` for output.

CHAPTER 6

KA Lite

by Foundation for Learning Equality

Khan Academy's core mission is to "provide a free world-class education for anyone anywhere", and as 70% of the world's population is without access to the internet, primarily in the developing world, providing an alternative delivery mechanism for Khan Academy content is key to fulfilling this mission.

KA Lite is a lightweight Django web app for serving core Khan Academy content (videos and exercises) from a local server, with points and progress-tracking, without needing internet connectivity.

6.1 Primary use cases include:

- For servers/**computer labs located in remote schools**, which could be slowly syncing with a central server over a cell/satellite network or via USB keys.
- In **correctional facilities** and other environments where providing educational materials is of value, but users cannot be given general internet access.
- **Mobile school "vans"**, which transport a server and multiple laptops/tablets between a number of schools (or orphanages, community centers, etc) in remote communities on a rotating basis, and syncing up with a central database (to download new content and upload analytics) when in an area with internet connectivity.

6.2 We would love for you to get involved!

- Learn how you can contribute code on our KA Lite GitHub Wiki
- Report bugs by creating issues
- Read more about the project's motivation at Introducing KA Lite, an offline version of Khan Academy.

6.2.1 Contact Us

Tell us about your project and experiences!

- Email: info@learningequality.org
- Add your project to the map: https://learningequality.org/ka-lite/map/

6.3 License information

The KA Lite sourcecode itself is open-source MIT licensed, and the other included software and content is licensed as described in the LICENSE file. Please note that KA Lite is not officially affiliated with, nor maintained by, Khan Academy, but rather makes use of Khan Academy's open API and Creative Commons content, which may only be used for non-commercial purposes.