mini-project-1 Documentation

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Nathan Klapstein, Ryan Furrer, Thomas Lorincz

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This code is open source, and is available on GitHub.

CHAPTER 1

mini-project-1

1.1 Requirements

- Python 3.6+

1.2 Overview

mini-project-1 is a simple command line interface (CLI) tool for interacting with a database service that provide information similar to popular ride sharing applications.

1.3 Installation

mini-project-1 can be installed from source by running:

```
pip install .
```

Within the same directory as mini-project-1's `setup.py` file.

1.4 Usage

After installing mini-project-1's shell can be started by the following console command:

```
mini-project-1 -i example.db -v
```

This will create an initial mini-project-1 database named `example.db` at your current directory and will immediately give you a prompt to login to such database.

To get additional usage help on starting mini-project-1 run the following console command:

```
mini-project-1 --help
```

CHAPTER 2

Command Line Use

Start the mini-project-1 shell

```
usage: mini_project_1 [-h] [-r] (-d DATABASE | -i INIT_DATABASE)
                      [--log-level LOG_LEVEL] [--log-dir LOG_DIR] [-v]
```

2.1 Named Arguments

-r, --register Before reaching the login screen access the registration screen to register a new member to the mini-project-1 database

Default: False

2.2 Database

-d, --database Path to an existing SQLITE database file or mini-project-1 to connect to

-i, --init-database Create a example SQLITE database file for mini-project-1 at the path specified and connect to it

2.3 Logging

--log-level Set the logging output level

Default: INFO

--log-dir Enable TimeRotatingLogging at the directory specified

-v, --verbose Enable verbose logging

Default: False

CHAPTER 3

Mini-Project-1 Shell Command Line Use

Below is usage documentation on using the mini-project-1 shell and the various commands associated with it.

Note: For an in-depth look at the mini-project-1 shell please look at the `shell.MiniProjectShell` directly.

3.1 book_member

Book a member on a ride

```
usage: book_member email seats price pickup dropoff
```

3.1.1 Positional Arguments

email	Email of the member who will be booked on the ride
seats	The number of seats booked
price	The cost per seat for the ride
pickup	Keyword for the pickup location of the ride
dropoff	Keyword for the dropoff location of the ride

3.2 cancel_booking

Cancel a booking

```
usage: cancel_booking bno
```

3.2.1 Positional Arguments

bno The booking identification number

3.3 delete_request

Delete a ride request by rid

```
usage: delete_request rid
```

3.3.1 Positional Arguments

rid The ID of the ride request to delete

List all the bookings that you offer

```
usage: list_bookings
```

3.4 list_requests

List all the ride requests that you offer

```
usage: list_requests
```

3.5 logout

Logout to the mini-project-1 database

```
usage: logout
```

3.6 offer_ride

Offer a ride

```
usage: offer_ride [--cno [CNO]] [--enroute ENROUTE [ENROUTE ...]]
                  date seats price luggage src dst
```

3.6.1 Positional Arguments

date Date the ride should start on (eg: 1975-05-21T22:00:00)

seats The number of seats offered

price The amount you want per seat for the ride

luggage Description of car luggage

src	Keyword for the start location of the ride
dst	Keyword for the end location of the ride

3.6.2 Named Arguments

--cno	Your car number to use
--enroute	Enroute locations to go to Default: set()

3.7 post_request

Post a ride request

```
usage: post_request date pickup dropoff price
```

3.7.1 Positional Arguments

date	Date the ride should start on (eg: 1975-05-21T22:00:00)
pickup	The location code for the pickup location of the ride
dropoff	The location code for the dropoff location of the ride
price	The maximum amount you are willing to pay per seat for the ride

3.8 search_requests_lcode

Search ride requests by location code

```
usage: search_requests_lcode lcode
```

3.8.1 Positional Arguments

lcode	The location code to search by

3.9 search_requests_city

Search ride requests by city name

```
usage: search_requests_city city
```

3.9.1 Positional Arguments

city	The name of the city to search by

3.10 search_rides

Search for a ride and if one is selected sent a message of intent to join

```
usage: search_rides term1 [term2] [term3]
```

3.10.1 Positional Arguments

term1	Location search term to use to look rides
term2	Location search term to use to look rides
term3	Location search term to use to look rides

3.11 select_request

Select a ride request and perform actions with it

```
usage: select_request rid
```

3.11.1 Positional Arguments

rid	The ID of the ride request

3.12 show_inbox

List all the unseen messages in your inbox

```
usage: show_inbox
```

3.13 login

Login to the mini-project-1 database.

```
usage: login
```

3.14 register

Register a new member to the mini-project-1 database.

```
usage: register
```

3.15 exit

Logout (if needed) and exit out of the mini-project-1 shell.

```
usage: exit
```

3.16 help

List available commands with "help" or detailed help with "help cmd".

```
usage: help [cmd]
```

CHAPTER 4

Indices and tables

- genindex
- modindex
- search