
django-applepodcast Documentation

Release 0.1

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Django Apple Podcast is a [Django](#) podcast application optimized for [Apple Podcasts](#). Formerly *Django iTunes Podcast*.

- [Package distribution](#)
- [Code repository](#)
- [Documentation](#)
- [Tests](#)

An online demo also exists.

- [Online demo](#)
- [Online demo code repository](#)

CHAPTER 1

Install

```
$ pipenv install django-applepodcast
```

Add to settings.py.

```
INSTALLED_APPS = [  
    # ...  
    'podcast',  
]
```

Add to urls.py.

```
from django.urls import include, path  
  
urlpatterns = [  
    # ...  
    path('podcast/', include('podcast.urls')),  
]
```

Migrate the database.

```
$ pipenv run python manage.py migrate
```

Load the fixtures.

```
$ pipenv run python manage.py loaddata podcast_category.json
```


CHAPTER 2

Usage

Run the local server.

```
$ pipenv run python manage.py runserver
```

Visit either the show view or the admin.

- <http://127.0.0.1:8000/podcast/>
- <http://127.0.0.1:8000/admin/podcast/>

3.1 Install

Install with [Pipenv](#).

```
$ pipenv install django django-applepodcast
```

After [creating a project](#), add `podcast` to `INSTALLED_APPS` in `settings.py`.

```
INSTALLED_APPS = [  
    # ...  
    'podcast',  
]
```

Because the app is primarily model driven, you will want to expose the URL of the show's feed for submission to Apple Podcasts. Add the [URL conf](#) to `urls.py`.

```
from django.urls import include, path  
  
urlpatterns = [  
    # ...  
    path('podcast/', include('podcast.urls')),  
]
```

If you're on Django 1.11, 1.10, or 1.9, use the older, [regex-based syntax](#) instead.

```
from django.conf.urls import include, url  
  
urlpatterns = [  
    # ...  
    url(r'^podcast/', include('podcast.urls')),  
]
```

If you're on Django 1.8, you will [additionally](#) need to add the `namespace` keyword argument to the `include()` method manually because the convenient `app_name` attribute in `urls.py` wasn't [added until Django 1.9](#).

```
from django.conf.urls import include, url

urlpatterns = [
    # ...
    url(r'^podcast/', include('podcast.urls', namespace='podcast')),
]
```

Add the models to your project by migrating the database.

```
$ pipenv run python manage.py migrate
```

Add the default Apple Podcasts categories by loading the fixtures.

```
$ pipenv run python manage.py loaddata podcast_category.json
```

3.2 Usage

3.2.1 Structure

The best way to understand the app is to simply browse the [online demo](#) or locally after adding a show and a few episodes in the admin. But for reference, assuming you chose `podcast` as the base of your URL conf, the structure is:

URL	URL name	View	Model	Template	Context	Absolute URLs
/podcast/	podcast:show-detail	views. ShowDetailView	Show	podcast/ show_detail. html	show, episode	{{ show. get_absolute_url }}
/podcast/ feed/	podcast:show-feed	views. ShowFeed	Show			{{ show. get_absolute_feed_url }}
/podcast/ <episode-slug>/	podcast:episode-detail	views. EpisodeDetailView	Episode	podcast/ episode_detail. html	episode	{{ episode. get_absolute_url }}
/podcast/ <episode-slug>/ download/	podcast:episode-download	views. EpisodeDownloadView	Episode			{{ episode. get_absolute_download_url }}

And if you chose `podcasts` and set `PODCAST_SINGULAR = False` to display multiple shows:

URL	URL name	View	Model	Template	Con- text	Absolute URLs
/podcasts/	podcast:show_list	views. ShowListView	Show	podcast/ show_list. html	show_list	
/podcasts/ <show-slug>/	podcast:show_detail	views. ShowDetailView	Show	podcast/ show_detail. html	show, episode_get_absolute_url	{{ show. get_absolute_url }}
/podcasts/ <show-slug>/ feed/	podcast:show_feed	views. ShowFeed	Show			{{ show. get_absolute_feed_url }}
/podcasts/ <show-slug>/ <episode-slug>/	podcast:episode_detail	views. EpisodeDetailView	Episode	podcast/ episode_detail. html	episode	{{ episode. get_absolute_url }}
/podcasts/ <show-slug>/ <episode-slug>/ download/	podcast:episode_download	views. EpisodeDownloadView	Episode			{{ episode. get_absolute_download_url }}

3.2.2 Enclosures

The show feed is a subclass of Django's `Rss201rev2Feed` feed generator class, which prohibits the use of more than one enclosure. Although Django's syndication documentation doesn't directly state it, the use of multiple enclosures are meant for only subclasses of Django's `Atom1Feed` feed generator class.

The [RSS Advisory Board](#) states:

Support for the enclosure element in RSS software varies significantly because of disagreement over whether the specification permits more than one enclosure per item. Although the author intended to permit no more than one enclosure in each item, this limit is not explicit in the specification.

For best support in the widest number of aggregators, an item *should not* contain more than one enclosure.

Therefore, enclosures are modeled as `OneToOneField`s off of episodes, limiting episodes to one and only one enclosure.

Apple Podcasts does not host enclosure files; it is the responsibility of the developer to host them. Because an enclosure's file is a `FileField`, files are uploaded to your `MEDIA_ROOT` setting. If you haven't already, your `urls.py` should include patterns for interfacing with files in local development.

```
from django.conf import settings
from django.conf.urls.static import static
from django.contrib.staticfiles.urls import staticfiles_urlpatterns
from django.urls import include, path

urlpatterns = [
    # ...
    path('podcast/', include('podcast.urls')),
]

# Static/media for local development
if getattr(settings, 'DEBUG', False):
    urlpatterns += staticfiles_urlpatterns()
    urlpatterns += static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

Although file management in production is out of scope of this documentation, consider using Amazon Web Service's [S3 \(Simple Storage Service\)](#) to host files and [Django Storages](#) and [Boto](#) (and, if using Python 3, [Boto 3](#)), to interface with them.

The [code repository](#) of the [online demo](#) is worth looking at for a complete implementation, especially the [settings file](#) if you expect to use AWS's S3.

3.2.3 Protocols

Depending on the operating system and/or web browser, it's possible to immediately subscribe a user to a podcast in iTunes or the iOS Podcasts app by using `itpc://` or `feed://` [protocol-based URLs](#) rather than the standard `http://` or `https://`.

The app comes with the `{% show_url %}` template tag to help create these URLs.

```
{% load podcast_tags %}
{% show_url protocol='itpc' url=show.get_absolute_feed_url %}>
```

Result:

```
itpc://127.0.0.1:8000/podcast/feed/
```

Beware that these URLs are purely interaction based; you would not be required to submit the show feed to Apple Podcasts, but you would also not be able to track users' behavior in Podcasts Connect. For this reason, you're probably better off in a traditional submission to Apple Podcasts, saving your new URL in the `Show` model, and using the `show.apple` variable in your template.

```
{{ show.apple }}
```

3.2.4 Submission

The show feed URL is:

```
/podcast/feed/
```

If you have multiple shows, each respective show feed URL is:

```
/podcasts/<show-slug>/feed/
```

Submit the show feed to [Podcasts Connect](#).

3.2.5 Badges

After Apple Podcasts approves your podcast, feel free to use the “Listen on Apple Podcasts” badge or icon, the U.S. versions of which are included as minified static files. You can also download them from the [Apple Podcasts Identity Guidelines](#). The SVGs were minified with [SVGO](#).

Badge

```
{% load i18n static %}

```

Icon

```
{% load i18n static %}

```

Load the white or black icons similarly.

```
{% load i18n static %}

```

```
{% load i18n static %}

```

3.3 Settings

The app offers several settings. By default, they are:

```
PODCAST_SINGULAR = True

PODCAST_ID = 1

PODCAST_EPISODE_LIMIT = None

PODCAST_NO_ARTWORK = 'podcast/img/no_artwork.png'

PODCAST_PAGINATE_BY = 10

PODCAST_ALLOWED_TAGS = ['p', 'ol', 'ul', 'li', 'a', 'i', 'em', 'b', 'strong']
```

3.3.1 PODCAST_SINGULAR

A boolean indicating display of multiple podcast shows.

The app displays a single show by default. If you would like to display multiple shows, set the `PODCAST_SINGULAR` variable in `settings.py`.

```
PODCAST_SINGULAR = False
```

If you have multiple shows, you might want to edit the URL pattern in `urls.py` from `podcast/` to `podcasts/`, although the difference is purely cosmetic.

```
from django.urls import include, path

urlpatterns = [
    # ...
    path('podcasts/', include('podcast.urls')),
]
```

3.3.2 PODCAST_ID

An integer indicating the primary key of the show to display; used when `PODCAST_SINGULAR` is `True`. Concept modeled after the `SITE_ID` setting used in the [Sites](#) application.

The app displays the first show by default.

3.3.3 PODCAST_EPISODE_LIMIT

An integer indicating the number of episodes to display in a show feed or `None` to display all episodes. Formerly the limit was an arbitrary 50 episodes.

The app displays all episodes in a show feed by default.

3.3.4 PODCAST_NO_ARTWORK

A string indicating the path to an image used when artwork is lacking; used for shows, episodes, and video enclosures.

Although the path can be customized in the setting, you're probably better off overriding the image look up at the project level; that is, creating a new image at `myproject/static/podcast/img/no_artwork.png`.

3.3.5 PODCAST_PAGINATE_BY

An integer indicating how many items to display in a list view or in a detail view of related objects; used for shows and episodes.

3.3.6 PODCAST_ALLOWED_TAGS

A list indicating which HTML tags are allowed for display in output; used for show summaries and episode notes. The database can store HTML, but tags not specified in the list are stripped out, and the remaining output is wrapped in `<![CDATA[...]]>` tags. Uses the [Bleach](#) Python package.

The list includes HTML tags specified in the [iOS 11 Apple Podcasts update](#) by default. The list also includes the conspicuously absent `` and `` tags, which appear to be an oversight on Apple's part because ``, ``, and `` are present in the original list. Note that the [specification](#) confusingly specifies a subset of fewer tags: `<p>`, ``, ``, and `<a>`.

3.4 Feed

3.4.1 Sample

The show feed is optimized for submission to the Apple Podcasts by adding additional [Apple Podcast-specific tags](#).

The following is the direct output of a show feed following the [RSS feed sample](#) in the Podcasts Connect documentation as closely as possible.

```
<?xml version="1.0" encoding="utf-8"?>
<rss version="2.0" xmlns:itunes="http://www.itunes.com/dtds/podcast-1.0.dtd"
↳xmlns:atom="http://www.w3.org/2005/Atom">
  <channel>
    <title>All About Everything</title>
    <link>http://testserver/podcast/</link>
    <description>All About Everything is a show about everything. Each week we
↳dive into any subject known to man and talk about it as much as we can. Look for
↳our podcast in the Podcasts app or in the iTunes Store</description>
    <atom:link rel="self" href="http://testserver/podcast/feed/" />
    <language>en-us</language>
    <lastBuildDate>Thu, 10 Mar 2017 22:15:00 +0000</lastBuildDate>
    <copyright>&#x2117; &amp; &#xA9; 2017 John Doe &amp; Family</copyright>
    <itunes:subtitle><![CDATA[A show about everything]]></itunes:subtitle>
    <itunes:summary><![CDATA[All About Everything is a show about everything.
↳Each week we dive into any subject known to man and talk about it as much as we can.
↳Look for our podcast in the Podcasts app or in the iTunes Store]]></itunes:summary>
    <itunes:author>John Doe</itunes:author>
    <itunes:owner>
      <itunes:name>John Doe</itunes:name>
      <itunes:email>john.doe@example.com</itunes:email>
    </itunes:owner>
    <itunes:image href="http://testserver/podcast/tests/static/everything/
↳AllAboutEverything.jpg" />
    <itunes:category text="Arts">
      <itunes:category text="Food" />
    </itunes:category>
    <itunes:category text="TV &amp; Film" />
    <itunes:category text="Technology">
      <itunes:category text="Gadgets" />
    </itunes:category>
    <itunes:explicit>no</itunes:explicit>
    <item>
      <title>Red, Whine, &amp; Blue</title>
      <link>http://testserver/podcast/red-whine-blue/</link>
      <description>This week we talk about surviving in a Red state if you are
↳a Blue person. Or vice versa.</description>
      <pubDate>Thu, 10 Mar 2016 22:15:00 +0000</pubDate>
      <guid>http://testserver/podcast/tests/static/everything/
↳AllAboutEverythingEpisode4.mp3</guid>
      <enclosure length="75232" type="audio/mpeg" url="http://testserver/
↳podcast/tests/static/everything/AllAboutEverythingEpisode4.mp3" />
      <itunes:subtitle><![CDATA[Red + Blue != Purple]]></itunes:subtitle>
      <itunes:summary><![CDATA[This week we talk about surviving in a Red state
↳if you are a Blue person. Or vice versa.]]></itunes:summary>
      <itunes:author>Various</itunes:author>
      <itunes:image href="http://testserver/podcast/tests/static/everything/
↳AllAboutEverything/Episode4.jpg" />
      <itunes:explicit>no</itunes:explicit>
      <itunes:duration>00:03</itunes:duration>
    </item>
    <item>
      <title>The Best Chili</title>
      <link>http://testserver/podcast/best-chili/</link>
      <description>This week we talk about the best Chili in the world. Which
↳chili is better?</description>
```

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```

        <pubDate>Thu, 10 Mar 2016 09:00:00 +0000</pubDate>
        <guid>http://testserver/podcast/tests/static/everything/
↳ AllAboutEverythingEpisode2.m4v</guid>
        <enclosure length="25725" type="video/x-m4v" url="http://testserver/
↳ podcast/tests/static/everything/AllAboutEverythingEpisode2.m4v" />
        <itunes:subtitle><![CDATA[Jane and Eric]]></itunes:subtitle>
        <itunes:summary><![CDATA[This week we talk about the best Chili in the
↳ world. Which chili is better?]]></itunes:summary>
        <itunes:author>Jane Doe</itunes:author>
        <itunes:image href="http://testserver/podcast/tests/static/everything/
↳ AllAboutEverythingEpisode3.jpg" />
        <itunes:explicit>no</itunes:explicit>
        <itunes:duration>00:02</itunes:duration>
        <itunes:isClosedCaptioned>yes</itunes:isClosedCaptioned>
    </item>
    <item>
        <title>Socket Wrench Shootout</title>
        <link>http://testserver/podcast/socket-wrench-shootout/</link>
        <description>This week we talk about metric vs. Old English socket
↳ wrenches. Which one is better? Do you really need both? Get all of your answers
↳ here.</description>
        <pubDate>Wed, 09 Mar 2016 18:00:00 +0000</pubDate>
        <guid>http://testserver/podcast/tests/static/everything/
↳ AllAboutEverythingEpisode2.mp4</guid>
        <enclosure length="28355" type="video/mp4" url="http://testserver/podcast/
↳ tests/static/everything/AllAboutEverythingEpisode2.mp4" />
        <itunes:subtitle><![CDATA[Comparing socket wrenches is fun!]]></
↳ itunes:subtitle>
        <itunes:summary><![CDATA[This week we talk about metric vs. Old English
↳ socket wrenches. Which one is better? Do you really need both? Get all of your
↳ answers here.]]></itunes:summary>
        <itunes:author>Jane Doe</itunes:author>
        <itunes:image href="http://testserver/podcast/tests/static/everything/
↳ AllAboutEverythingEpisode2.jpg" />
        <itunes:explicit>no</itunes:explicit>
        <itunes:duration>00:03</itunes:duration>
    </item>
    <item>
        <title>Shake Shake Shake Your Spices</title>
        <link>http://testserver/podcast/shake-shake-shake-your-spices/</link>
        <description>This week we talk about &lt;a href="https://itunes.apple.com/
↳ us/book/antique-trader-salt-pepper/id429691295?mt=11">salt and pepper shakers&lt;
↳ /a>&gt;, comparing and contrasting pour rates, construction materials, and overall
↳ aesthetics. Come and join the party!</description>
        <pubDate>Tue, 08 Mar 2016 12:00:00 +0000</pubDate>
        <guid>http://testserver/podcast/tests/static/everything/
↳ AllAboutEverythingEpisode3.m4a</guid>
        <enclosure length="46862" type="audio/x-m4a" url="http://testserver/
↳ podcast/tests/static/everything/AllAboutEverythingEpisode3.m4a" />
        <itunes:subtitle><![CDATA[A short primer on table spices]]></
↳ itunes:subtitle>
        <itunes:summary><![CDATA[This week we talk about <a href="https://itunes/
↳ apple.com/us/book/antique-trader-salt-pepper/id429691295?mt=11">salt and pepper
↳ shakers</a>, comparing and contrasting pour rates, construction materials, and
↳ overall aesthetics. Come and join the party!]]></itunes:summary>
        <itunes:author>John Doe</itunes:author>
        <itunes:image href="http://testserver/podcast/tests/static/everything/
↳ AllAboutEverythingEpisode1.jpg" />

```

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```

        <itunes:explicit>no</itunes:explicit>
        <itunes:duration>00:03</itunes:duration>
    </item>
</channel>
</rss>

```

3.4.2 Sample differences

Although every effort was made to recreate the [RSS feed sample](#) on Podcasts Connect as closely as possible, the limitations of the way in which Django creates feeds and the occasional stray error in the feed sample itself required small changes:

- The `RssFeed` class in Django’s deep syndication class hierarchy adds an `<atom:link>` to the `<channel>` element that would require a significant code duplication and rewrite to eliminate. It does not affect Apple Podcasts compatibility and thus remains in the show feed.
- The `<atom:link>` previously mentioned can only exist in a corresponding XML namespace; i.e. the attribute `xmlns:atom="http://www.w3.org/2005/Atom"` in the `<rss>` element. The attribute could be easily removed, but would prevent the feed from achieving XML validation. The Atom XML namespace thus remains in the show feed.
- The `RssFeed` class adds a `<lastBuildDate>` to the `<channel>` element that corresponds to the `<pubDate>` of the latest `<item>`. Due to Django’s deep syndication class hierarchy, it remains in the show feed.
- In the RSS feed sample, the `<copyright>` element contains a year of 2014. The sample is replaced with the current year, at the time of this writing, 2017.
- In the RSS feed sample, `<itunes:summary>` tag in the “Shake Shake Shake Your Spices” episode has an errant space in its `<![CDATA[...]]>` tag. The sample displays `<![CDATA[...]] >`. The show feed removes the errant space.
- In the RSS feed sample, the domain in URLs is `www.example.com` or `example.com`. Django’s [testing framework](#) uses the server name `testserver`. The feed test replaces `www.example.com` with `testserver`.
- In the RSS feed sample, the absolute URL of the show is `/podcasts/everything/index.html`. In the interest of [clean URLs](#), the feed test removes `index.html`.
- In the RSS feed sample, only instances of `<itunes:summary>` or `<itunes:subtitle>` that have HTML contain `<![CDATA[...]]>` tags to escape the HTML. Rather than conditionally insert `<![CDATA[...]]>` tags, they are inserted in all instances of `<itunes:summary>` and `<itunes:subtitle>`.
- In the RSS feed sample, the enclosure url of an `<item>` is often different from the `<guid>`, e.g. `http://example.com/podcasts/everything/AllAboutEverythingEpisode3.m4a` vs. `http://example.com/podcasts/archive/aae20140615.m4a`. The `<guid>` of an `<item>` is normalized to return the enclosure URL and eliminate a competing, arbitrary URL.
- In the RSS feed sample, the (fake) enclosure files have accompanying fake values in `<itunes:duration>` elements. The app automatically reads the duration of media files using the Python [Mutagen](#) package, and their durations are not subject to manual editing.
- In the RSS feed sample, the enclosure length of an `<item>` is similarly determined by automatically reading the enclosure [size of the file](#).
- In the RSS feed sample, the paths to media files were changed to reflect a more typical Django file path.

- In the RSS feed sample, `<item>` elements omit `<link>` and `<description>` elements. While [technically valid](#), Django encourages its use by automatically querying for an item’s absolute URL, and thus each item’s `<link>` and `<description>` are preserved.
- In the RSS feed sample, the `<item>` elements contain `<pubDate>` values whose time zones are inconsistent: GMT (which is [obsolete](#)), EST, -0700, and +3000 (which should be +0300). Because Django defines `TIME_ZONE` at the project level in [settings](#), it’s impossible to display datetimes in the show feed with different time zones. For example, given a datetime `2016-03-11T01:15:00+0300` (which might be, say, 'Europe/Moscow'), a setting of `TIME_ZONE = 'UTC'` would ultimately result in a display of Thu, 10 Mar 2016 22:15:00 +0000, that is, moving three hours backward to achieve UTC, which would be around 10 p.m. the prior evening. All values of `<pubDate>` elements have been converted to their UTC-time zone equivalents.
- In the RSS feed sample, elements that correspond to boolean values are inconsistently capitalized. The values of `<itunes:explicit>` elements are no, but the value of `<itunes:isClosedCaptioned>` is Yes. The sample was changed to yes.
- In the RSS feed, the episode “Shake Shake Shake Your Spices” has a `<description>` and `<itunes:summary>` element whose value contains a malformed URL, i.e. `https://itunes/apple.com`. The error has been preserved.
- In the RSS feed, the episode “Red,Whine, & Blue” is missing a space after the first comma. The error has been preserved.
- The show feed and RSS feed sample only compare semantic differences, i.e. parsed content, and not syntax differences, i.e. various orderings of elements, capitalization, orderings of attributes, and spaces, etc. Django’s `assertXMLEqual` is used to assert equality.

3.5 Admin

The data in the screenshots of the admin mimics the [RSS feed sample](#) of the Podcasts Connect documentation.

3.5.1 App

Django administration

WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast

Podcast administration

PODCAST	
Categories	+ Add ✎ Change
Enclosures	+ Add ✎ Change
Episodes	+ Add ✎ Change
Shows	+ Add ✎ Change
Speakers	+ Add ✎ Change

3.5.2 Shows

List view

Django administration

WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Shows

Select show to change

ADD SHOW +

Action:

Go

 0 of 1 selected

<input type="checkbox"/>	TITLE	LAST EPISODE DURATION	LAST EPISODE PUB DATE
<input type="checkbox"/>	All About Everything	33:10	March 11, 2016, 1:15 a.m.

1 show

Change view

Django administration

WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Podcast > Shows > All About Everything

Change show

HISTORYVIEW ON SITE >

Title:

All About Everything

Slug:

all-about-everything

Image:

Choose File

no file selected

1400x1400–3000x3000px; 72DPI; JPG, PNG; RGB; if blank, default [no artwork](#) is used

Description:

All About Everything is a show about everything. Each week we dive into any subject known to man and talk about it as much as we can. Look for our podcast in the Podcasts app or in the iTunes Store

TTL:

1 day

⌵

Time to live; how often the feed is refreshed

iTunes

Subtitle:

A show about everything

Accepts HTML

Summary:

All About Everything is a show about everything. Each week we dive into any subject known to man and talk about it as much as we can. Look for our podcast in the Podcasts app or in the iTunes Store

Max length of 4,000 characters; accepts HTML; if blank, uses description

Author name:

John Doe

Appears as the "artist" of the podcast

Author e-mail:

john.doe@example.com

Owner name:

John Doe

Administrative contact of the podcast

Owner e-mail:

john.doe@example.com

Administrative contact of the podcast

Categories:

Available categories ⓘ

Filter

Arts / DesignArts / Fashion & BeautyArts / LiteratureArts / Performing ArtsArts / Visual Arts

Chosen categories ⓘ

ArtsArts / FoodTV & FilmTechnologyTechnology / Gadgets

3.5.3 Episodes

List view

Django administration

WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Episodes

Select episode to change

ADD EPISODE +

Action:

Go

 0 of 4 selected

<input type="checkbox"/>	TITLE	DURATION	PUB DATE	SHOW	EXPLICIT?
<input type="checkbox"/>	Red, Whine, & Blue	33:10	March 11, 2016, 1:15 a.m.	All About Everything	×
<input type="checkbox"/>	The Best Chili	27:45	March 10, 2016, 2 a.m.	All About Everything	×
<input type="checkbox"/>	Socket Wrench Shootout	35:45	March 9, 2016, 1 p.m.	All About Everything	×
<input type="checkbox"/>	Shake Shake Shake Your Spices	53:31	March 8, 2016, noon	All About Everything	×

4 episodes

Change view

Django administration
WELCOME, RICH. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Episodes › Shake Shake Shake Your Spices

Change episode
HISTORY VIEW ON SITE >

Show: All About Everything ✎ +

Title: Shake Shake Shake Your Spices

Slug: shake-shake-shake-your-spices

Description:

This week we talk about salt and pepper shakers, comparing and contrasting pour rates, construction materials, and overall aesthetics. Come and join the party!

Pub date:
Date: 2016-03-08 Today 📅
Time: 12:00:00 Now 🕒

Note: You are 5 hours behind server time.

iTunes

Subtitle: A short primer on table spices

Accepts HTML

Summary:

This week we talk about salt and pepper shakers, comparing and contrasting pour rates, construction materials, and overall aesthetics. Come and join the party!

Max length of 4,000 characters; accepts HTML; if blank, uses description

Author name:

Appears as the "artist" of the episode; if blank, uses show's author name

Author email:

If blank, uses show's author email

Image:

Currently: podcast/episodes/episode-1.png ☐ Clear

Change: no file selected

1400x1400–3000x3000px, 72DPI, JPG/PNG, RGB; if blank, uses show's image

☐ Explicit?

Indicates explicit language or adult content

☐ Block?

Prevents episode from appearing on the iTunes Store

Speakers

3.5.4 Enclosures

List view

Django administration

WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Enclosures

Select enclosure to change

ADD ENCLOSURE +

Action:

Go

 0 of 4 selected

<input type="checkbox"/>	EPISODE	DURATION	TYPE	FILE
<input type="checkbox"/>	Red, Whine, & Blue	33:10	MP3 audio	podcast/enclosures/files/04_S01_Episode_04_Inconsistencies.mp3
<input type="checkbox"/>	The Best Chili	27:45	MP3 audio	podcast/enclosures/files/03_S01_Episode_03_Leakin_Park.mp3
<input type="checkbox"/>	Socket Wrench Shootout	35:45	MP3 audio	podcast/enclosures/files/02_S01_Episode_02_The_Breakup.mp3
<input type="checkbox"/>	Shake Shake Shake Your Spices	53:31	MP3 audio	podcast/enclosures/files/01_S01_Episode_01_The_Alibi.mp3

4 enclosures

Change view

Django administration
WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Enclosures › Shake Shake Shake Your Spices: audio/mpeg

Change enclosure
HISTORY

Episode:
Shake Shake Shake Your Spices

File:

Currently: podcast/enclosures/files/01_S01_Episode_01_The_Alibi.mp3

Change: no file selected

Supported formats: M4A, MP3, MOV, MP4, M4V, PDF, and EPUB

Type:
MP3 audio

Poster:
 no file selected

For video files

Duration:
53:31

☐ Closed captions?

For video files with closed captions

3.5.5 Categories

List view

Django administration
WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Categories

Select category to change

ADD CATEGORY +

Action: 0 of 67 selected

<input type="checkbox"/>	FULL TITLE	PARENT
<input type="checkbox"/>	Arts	-
<input type="checkbox"/>	Arts / Design	Arts
<input type="checkbox"/>	Arts / Fashion & Beauty	Arts
<input type="checkbox"/>	Arts / Food	Arts
<input type="checkbox"/>	Arts / Literature	Arts
<input type="checkbox"/>	Arts / Performing Arts	Arts
<input type="checkbox"/>	Arts / Visual Arts	Arts
<input type="checkbox"/>	Business	-
<input type="checkbox"/>	Business / Business News	Business
<input type="checkbox"/>	Business / Careers	Business
<input type="checkbox"/>	Business / Investing	Business
<input type="checkbox"/>	Business / Management & Marketing	Business
<input type="checkbox"/>	Business / Shopping	Business
<input type="checkbox"/>	Comedy	-
<input type="checkbox"/>	Education	-
<input type="checkbox"/>	Education / Educational Technology	Education
<input type="checkbox"/>	Education / Higher Education	Education
<input type="checkbox"/>	Education / K-12	Education
<input type="checkbox"/>	Education / Language Courses	Education
<input type="checkbox"/>	Education / Training	Education
<input type="checkbox"/>	Games & Hobbies	-
<input type="checkbox"/>	Games & Hobbies / Automotive	Games & Hobbies
<input type="checkbox"/>	Games & Hobbies / Aviation	Games & Hobbies
<input type="checkbox"/>	Games & Hobbies / Hobbies	Games & Hobbies
<input type="checkbox"/>	Games & Hobbies / Other Games	Games & Hobbies
<input type="checkbox"/>	Games & Hobbies / Video Games	Games & Hobbies
<input type="checkbox"/>	Government & Organizations	-
<input type="checkbox"/>	Government & Organizations / Local	Government & Organizations
<input type="checkbox"/>	Government & Organizations / National	Government & Organizations
<input type="checkbox"/>	Government & Organizations / Non-Profit	Government & Organizations
<input type="checkbox"/>	Government & Organizations / Regional	Government & Organizations
<input type="checkbox"/>	Health	-
<input type="checkbox"/>	Health / Alternative Health	Health
<input type="checkbox"/>	Health / Fitness & Nutrition	Health
<input type="checkbox"/>	Health / Self-Help	Health

3.5. Admin
27

Change view

Django administration

WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Categories › Arts

Change category

HISTORY

Parent:

✕

✎

+

Title:

Arts

Slug:

arts

Delete

Save and add another

Save and continue editing

SAVE

3.5.6 Speakers

List view

Django administration

WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Speakers

Select speaker to change

ADD SPEAKER +

Action:

Go

 0 of 1 selected

<input type="checkbox"/>	NAME	1 ▲	E-MAIL	2 ▲
<input type="checkbox"/>	John Doe		john.doe@example.com	

1 speaker

Change view

Django administration
WELCOME, **RICH**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home › Podcast › Speakers › John Doe

Change speaker
HISTORY

Name: John Doe

E-mail: john.doe@example.com

Photo: Choose File no file selected

Bio:

Delete Save and add another Save and continue editing SAVE

3.6 Documentation

Full [documentation](#) is available online.

However, you can also build the documentation from source.

Clone the code repository.

```
$ git clone git@github.com:richardcornish/django-applepodcast.git
$ cd django-applepodcast/
```

Install [Sphinx](#), [sphinx-autobuild](#), and [sphinx_rtd_theme](#).

```
$ pipenv install sphinx sphinx-autobuild sphinx_rtd_theme --three
```

Create an HTML build.

```
$ (cd docs/ && make html)
```

Or use [sphinx-autobuild](#) to watch for live changes.

```
$ sphinx-autobuild docs/ docs/_build_html
```

Open [127.0.0.1:8000](#).

3.7 Tests

Continuous integration test results are available online.

However, you can also test the source code. Note that because the app stores media files, you will have to change to the directory above the source code directory before testing, typically `site-packages`.

```
$ cd ~/.virtualenvs/myenv/lib/python3.6/site-packages/
$ django-admin test podcast.tests --settings="podcast.tests.settings"

Creating test database for alias 'default'...
.....
-----
Ran 1 test in 0.119s

OK
Destroying test database for alias 'default'...
```

A bundled settings file allows you to test the code without even creating a Django project.

3.8 Resources

Some of the helpful resources used to create the app.

3.8.1 Documentation

- Django’s syndication feed framework

3.8.2 Specifications

- RSS 2.0 specification
- RSS tags for Podcasts Connect
- Apple iOS 11 specification update
- Google Play Music
- ID3 standards
- iTunes metadata

3.8.3 Validators

- W3C Feed Validation Service
- Podba.se Podcast Validator
- Cast Feed Validator
- Feed Validator

3.8.4 Resources

- [Apple iTunes Connect Resources and Help](#)
- [Apple Podcasts Connect Help](#)

3.8.5 Marketing

- [Apple Podcasts Identity Guidelines](#)

3.8.6 Submission

- [Apple Podcasts Connect](#)
- [Google Play Music Podcast Portal](#)

CHAPTER 4

Indices and tables

- `genindex`
- `modindex`
- `search`

p

podcast, [1](#)

P

podcast (module), [1](#)