

Team: YouTube API

Test Report


Test Code:

All the code corresponding to the YouTube API Integration is stored in the [youtube_test](#) directory of [mediaApp](#) in the develop branch. It includes various kinds of tests corresponding to various scenarios/ code changes that might create bugs.

We used django.test framework, that comes with django, to write various test cases as it integrates well with django and provides seamless experience while testing different components of the app.

Test Reports:

The django.test api automatically figures out which classes/ methods to run in order to test the current django application. It considers the naming of methods of classes that inherits from TestCase class and invokes them to test. It then prints the summary on the terminal.

A terminal window with a dark purple background. The text is as follows:

```
(VirtualEnv)
harshraj22 in DjangoProject on doc-youtube [!?$]
$ python3 manage.py test
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
.....
-----
Ran 5 tests in 0.162s

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

<Insert Image here after running the tests>

Test Documentation:

To run the tests, run the following:

```
python3 manage.py test
```

- Make sure you are in the **DjangoProject** directory, so that file **manage.py** is accessible within the directory.
- Make sure you have installed the required dependencies present in **requirements.txt**

If you want the verbose output of the tests, use the following:

```
python3 manage.py test --verbosity=2
```

To Be Removed:

Test code (e.g. scripts), Test reports (e.g. list of test cases executed, pass/fail report), test documentation (documentation on how to run the test cases) - 6 points

- The tests must cover unit tests and integration tests.**