

# Testing Report

## User Input Testing: -

The User Input Test Cases are included in the TestSpecifications.tsl. Generated using the TSLgenerator.

### 1. Unit Testing :-

Test Case no.	Input	Testing Result
1.	Searching For a video File. The Exact Name of the File i.e. y2mate.com_- _Nature_Beautiful_short_video_720p_HD_ 360p  Name typed in the search bar : y2mate.com_- _Nature_Beautiful_short_video_720p_HD_ 360p  And then Downloading the file.	File displayed as expected. Video was playing fine.  Download was successful.
2.	Searching For a video File. Using the Exact Name of the File i.e. y2mate.com_- _Nature_Beautiful_short_video_720p_HD_ 360p  Name typed in the search bar: Nature  And then Downloading the file.	File displayed as expected. Video was playing fine.  Download was successful.
3.	Searching For a video File. The Exact Name of the File i.e. Ch103_slset_1.pdf  Name typed in the search bar: Ch103_slset_1.pdf  And then Downloading the file.	File displayed as expected.  Download was successful.
4.	Searching For a video File. The Exact Name of the File i.e. Ch103_slset_1.pdf  Name typed in the search bar:	File displayed as expected.  Download was successful.

	CH103 And then Downloading the file.	
5.	Searching for a random file not present in Google Drive.  Example a name like : fwaffrsreag	No error There was no output displayed. No message displayed.

## 2. Integration Testing:-

After Integrating with the main Branch, testing again for the same test Cases as before. Test Cases are present in the TestSpecifications.tsl file.

Test Case no.	Input	Testing Result
1.	Searching For a video File. The Exact Name of the File i.e. y2mate.com_- _Nature_Beautiful_short_video_720p_HD_ 360p  Name typed in the search bar : y2mate.com_- _Nature_Beautiful_short_video_720p_HD_ 360p  And then Downloading the file.	File displayed as expected. Video was playing fine.  Download was successful.
2.	Searching For a video File. Using the Exact Name of the File i.e. y2mate.com_- _Nature_Beautiful_short_video_720p_HD_ 360p  Name typed in the search bar: Nature  And then Downloading the file.	File displayed as expected. Video was playing fine.  Download was successful.
3.	Searching For a video File. The Exact Name of the File i.e. Ch103_slset_1.pdf  Name typed in the search bar: Ch103_slset_1.pdf	File displayed as expected.  Download was successful.

	And then Downloading the file.	
4.	<p>Searching For a video File. The Exact Name of the File i.e. Ch103_slset_1.pdf</p> <p>Name typed in the search bar: CH103</p> <p>And then Downloading the file.</p>	<p>File displayed as expected.</p> <p>Download was successful.</p>
5.	<p>Searching for a random file not present in Google Drive.</p> <p>Example a name like : fwaffrsreag</p>	<p>No error There was no output displayed. No message displayed.</p>

## Testing Django's URLs mapping to Views function

### Unit Test

- urls.py

```
urlpatterns = [
    path('', views.home, name='Home'),
    path('download', views.download, name='download'),
]
```

- Home – home page contains search box and result
- Download – download the selected file
- test.py script file is in test directory of Gdrive API documentation
- Result

```
(minienv) E:\Mini_Project>python manage.py test
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
..
-----
Ran 2 tests in 0.003s

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

## Integration Test

- urls.py

```
urlpatterns = [
    path('admin/', admin.site.urls),
    path('', mediaApp_views.home, name='home'),
    path('query/', mediaApp_views.youtube_query, name='youtube_query'),
    path('query/<int:vid>', mediaApp_views.show_video, name='show_video'),
    path('query/<vid>', mediaApp_views.show_local_video, name='show_local_video'),
    path('signup/', user_views.signup, name='signup'),
    path('login/', auth_views.LoginView.as_view(template_name='users/login.html'), name='login'),
    path('logout/', auth_views.LogoutView.as_view(template_name='users/logout.html'), name='logout'),
    path('oauth/', include('social_django.urls', namespace='social')),
    path('glogin/', mediaApp_views.glogin, name="glogin"),
    path('glogout/', mediaApp_views.glogout, name="glogout"),
    path('download/', mediaApp_views.download, name='download'),
] + static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

Gdrive team is using 5 urls from the above – youtube\_query, show\_local\_video, glogin, glogout, download

Result of these 5 urls is given below

- youtube\_query – result from google drive is concatenated to youtube result
  - show\_local\_video – play the selected video
  - Glogin – login for gmail and give permission for accessing gdrive
  - Glogout – logout from gmail
- test.py script file is in test directory of Gdrive API documentation
  - Result

```
(minienv) E:\miniproject-cs305autumn2020\DjangoProject>python manage.py test
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
.....
-----
Ran 5 tests in 0.005s

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

## **Testing Documentation**

- **User Input testing**

Test cases are generated from TSL generator and it is tested manually by typing in search box.

- **URL mapping of Django project**

- Copy the .py test script file (integration\_test.py for integrated project) in the main project folder of Django (mediaApp directory).
- Run the command  
`'python manage.py test'`