

Test Documentation

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How to run a TSL generator?

We are using the [TSL generator](#) which uses category partitions to generate test frames or test specifications.

To install TSL generator follow below steps:

- 1). Download an Executable file suitable for your Operating System from [here](#).
- 2). Open terminal and Goto the folder where you have downloaded the above file.
- 3). Run `./<FILE_DOWNLOADED_FROM_REPO>` to test whether download is successful or not.

- pc.spec

- This file contains requirements which we want for testing.
- Run command `./<FILE_DOWNLOADED_FROM_REPO> -C <SPECIFICATION_FILE>` to generate tsl file which contains test frames.

- pc.spec.tsl

This is the output file generated by TSL generator. This file contains test frames for specified requirements.

How to run test cases?

- Install selenium library using the command:
`sudo pip3 install selenium`
- Download Geckodriver for Firefox from [here](#).
- Now unzip the contents of the downloaded geckodriver and put the contents in the `user/bin` directory using the command:
`sudo mv <PATH_TO_THE_INSTALLED_DRIVER> user/bin`
Similarly, we can do for Windows `/lib/site-packages`.

- Now, create a `fixtures` folder in `users` folders.

- Run the following command:

```
python3 manage.py dumpdata --indent=2 --natural-primary -e
contenttypes -e auth.Permission >
users/fixtures/allauth_fixture.json
```

- Now run the server using the following command:

```
python3 manage.py runserver
```

- Now in a different terminal run the following command for running the tests:

```
python3 manage.py test users
```