

Social

Instagram inspired website, share your moment with a picture, describe them with a short description and a serie of tags. Follow the people that you are interested in and leave a comment or a like under their pictures.

Setup

1st Way

Run the BASH script present in the project folder:

```
bash ./project_setup_launcher.sh
```

2nd Way

1. Create a virtual environment
`python3 -m venv venv`
2. Activate the virtual environment
`source venv/bin/activate`
3. Upgrade the Python package-management system
`python3 -m pip install --upgrade pip`
4. Install the dependencies
`pip install -r requirements.txt`

Turn ON/OFF the Virtual Environment:

- To activate the virtual environment run the following command: `source venv_test/bin/activate`
 - To deactivate the virtual environment run the following command: `deactivate`
-

Run the Website

1st Way

Run the BASH script present in the project folder:

```
bash ./project_launcher.sh
```

2nd Way

1. Apply the unapplied migrations
`python3 manage.py migrate`
 2. Run the local development server
`python3 manage.py runserver`
-

Run the Tests

1st Way

Run the BASH script present in the project folder:

```
bash ./project_tests_launcher.sh
```

The script will execute the following commands:

```
Test all Project
coverage run --omit='./venv/' --omit='./tests/' manage.py test
```

```
Print in the shell a report about the tested-code coverage
coverage report
```

```
Make an HTML report about the tested-code coverage in the ./htmlcov folder
coverage html
```

```
Clean all media files produced during the tests execution
python3 ./cleaning_procedure.py
```

2nd Way

Test all Project:

```
python3 manage.py test
```

- Test accounts application
`python3 manage.py test accounts`
- Test posts application
`python3 manage.py test posts`

After running the tests run the source file of the cleaning procedure, present in the project folder, to clean up all media files produced during the tests execution.

```
python3 ./cleaning_procedure.py
```

Dependencies

The code use the following dependencies:

- `django-environ` : Manages Environment Variables
- `pillow` : Manages Image
- `django-taggit` : Handles tagging functionalities
- `django-crispy-forms` : Makes forms look better
- `crispy-bootstrap5` : Provides Bootstrap template pack for `django-crispy-forms`
- `coverage` : Helps tracking the executed code during tests

Test Database

Below are the credentials of registered users, which have been used to simulate interactions between registered users on the website. The website administrator credentials are in **bold**.

Username	Password
filippociarlo	testpass123
JohnDoe	testpass456
JaneDoe	testpass789
admin	testpass101

Note:

The project it's been tested using Firefox.