

# Social

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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.

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## 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_test`
2. Activate the virtual environment  
`source venv_test/bin/activate`
3. Upgrade the Python package-management system  
`python3 -m pip install --upgrade paip`
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`
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## 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`
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## 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`

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## 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

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## 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
<b>admin</b>	<b>testpass101</b>