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## DigiCaddie testing documentation

### Testing

There are three testing files that hold all tests for the app. Each testing file is called tests.py and one is in each part of the app login, main\_page, and round. Each test file is written for each part of the app, like the tests in login will test the login features of the app. To run a test you will need to create and activate the virtual environment for python and make sure that you have downloaded all the requirements in the requirements.txt file.

```
python -m venv env
./env/scripts/activate
python -m pip install -r requirements.txt
python manage.py test
```

You may also test individual apps if you so desire such as login and the command for this would be

```
python manage.py test login
```

To run a coverage test you can run this command

```
coverage run --source='.' manage.py test
```

And if you wanted to test and individual app like login with this you use this command

```
coverage run --source='.' manage.py test login
```

To check the coverage you use this command after running the coverage command

```
coverage report
```

That is all for testing

### Deployment

All code is stored in github and will be deployed from github. Github will run a job that will run the testing suite and will check if there are any errors from the test and will notify me if the test does not pass. After Github has finished the jobs Heroku will auto deploy the code that is in the github up to there servers. Heroku will only deploy from the main branch and not the other branches. Heroku will notify me if the branch is not successfully deployed.