Installation Steps

by Lisbeth Cardoso
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Where to Start?

We followed the instructions listed in https://tutorial.djangogirls.org/en/ . You do not have to follow all the steps again since setting the environment is already done, but you will have to follow some steps (such as installing Python) and it will be helpful if you get familiar with this framework.

You want to have three environments: your local environment, GitHub and PythonAnywhere. Your local computer will be the place where you will do development and testing. Once you have a new feature ready and fully functional, you can commit the changes to GitHub, where you will place a copy of your program. Your website will be live on PythonAnywhere and you will update it by getting a new copy of your code from GitHub [1].

Our local environment is located in http://127.0.0.1:8000. This is where you modify and test our code, and once a new feature is working properly, then you will commit the changes to GitHub.

If you do not have an account in GitHub yet, it will be very useful that you get one. GitHub will allow you to collaborate with other developers and, plus, download our code here.

In order to have our site live, we used PythonAnywhere. PythonAnywhere is a server provider that has a relatively simple deployment process. Also, it is free for small applications that do not have too many visitors, so it was perfect for our project. The only downside is that, because we created a free account, the website will run in three-months increments. Therefore, every three months, you will need to re-run the website. But no worries, an email will be sent to onlinesrsproject@gmail.com reminding you to do this. If this project becomes more ambitious in the future, there are cheap options that will allow you to have a larger number of visitors and will not need to re-run the website every three months.

Credentials Information

1. Google
    We created a Google account to have an email to send all our development information to, such when we created a superuser in Django.
    The Google account credentials are:
    > user: onlinesrsproject@gmail.com
    > password: onlineSRSproject123
2. Django

We had to create a super-user in Django. Its credentials are:

> user: admin
> password: admin123

This data is stored in my local database; therefore, you will not see my information. You will need to create your own super-user.

3. GitHub

We created the project in git with credentials:

> user: admin
> email: onlinesproject@gmail.com
> You will not need to log in with these credentials because the project is public. If you want, you can but it is not necessary.

4. PythonAnywhere
   a. We created an account in [PythonAnywhere](#) with credentials:
      > user: admin
      > email: onlinesrsproject@gmail.com
      > password: admin123
   b. We created the credentials for the user in the [PythonAnywhere](#) database:
      > user: admin
      > email: onlinesrsproject@gmail.com
      > password: admin123

Set Up Environment Steps

If you are taking in this project, you will not have to follow all the steps given in the tutorial. You do need to follow some steps.

1. Clone the project from GitHub.
2. Make sure you are in the folder that contains the manage.py file.
3. Install Python by following the steps given [here](#).
4. Install the virtual environment and Django by following the steps given [here](#).

At this point, your local environment is up and running. You can check the tutorial and follow the steps to run the server environment, and deploy.

Important commands

If you have read the tutorial and this document, you should have your local environment set up, your GitHub account created and SRS' website live. Great job! Now, all you need is to start coding and continue improving this project.

We listed some commands that we think might be useful to you. For more detail information, you can check the tutorial [here](#).

1. Activate virtual environment.

   In order to activate the virtual environment, go to the folder where manage.py is and type:

   ```
   source myvenv/bin/activate
   ```

2. Activate your local environment.

   If you want to run your local environment after applying your code changes, make sure that you already activated the virtual environment and then type:

   python manage.py migrate

   python manage.py runserver

   At this point, you will see the changes in your local environment [here](#).

3. Push your code to GitHub.

   ```
   git status
   git add --all .
   git status
   git commit -m "<your-message>"
   git push
   ```

4. Deploy to website

   Open up the PythonAnywhere consoles page and go to your Bash console (or start a new one). Then, type in your Bash command line:

   ```
   cd ~/srs
   git pull
   ```

   Your code will get downloaded. If you want to check that it's arrived, you can hop over to the Files tab and view your code on PythonAnywhere. Finally, go to the Web tab and hit Reload on your web app. At this point, your update should be live!

References

[1]   https://tutorial.djangogirls.org/en/