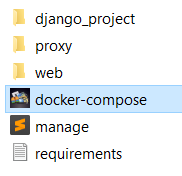
**Instructions to run the project solutions**

**Solution 1 -** [**localhost:443**](http://localhost:443/)

Please follow these instructions to run the project solution on localhost using docker compose.

1. Extract the **django\_project.zip** attached with this email to your local system.
2. Open the terminal or command prompt and navigate to the root folder **django\_project**, where the **docker-compose.yml** file is also available.

**Note**: The two **Dockerfiles** are available within the **proxy** and **web** directories.

1. In the command line, type *docker-compose up -d*.

**Note**: You can run the “docker-compose up -d” command directly to build and run the docker images. However, if you choose to build the Dockerfiles first, please use these commands:

“docker build proxy” and “docker build web”.

1. In the web browser, navigate to ”http://localhost:443” (http://127.0.0.1:443)
2. Please use these credentials to login to the app:
   1. **Username** – user
   2. **Password** – password@123

**Note**: Django framework does not support the use of most common passwords like “password”, hence I had to set it to “password@123”.

1. Click the **Secret** tab to view the secret.

**Solution Notes**: I was having trouble with setting up localhost on TLS due to firewall and permissions set on my McAfee laptop (where I have the Python environment set up), and wasn’t accepting the self-signed certificates that I created, although I managed to expose the port 443 (which is meant for https). So, I couldn’t test it on the docker image.

Hence, I deployed the app to an Apache web server using Ubuntu OS at the eleventh hour. 😊

**Solution 2:** [**https://172.105.42.74/**](https://172.105.42.74/)

1. Navigate to <https://172.105.42.74/> on a web browser.

**Note**: The site says “Not secure” because I have used self-signed certificates.

1. Please use the same credentials to login to the app:
   1. **Username** – user
   2. **Password** – password@123
2. Click the **Secret** tab to view the secret.