

Solution: Creating your first project and app

#### Learner Instructions

Ensure you are in the directory where you want to create your project.

This lab mainly deals with the command line inside the VS Code console present. If not open, go to Terminal on your Menu bar at the top of your screen and select 'New Terminal'. Add the commands below inside the command line.

Follow the instructions below and make sure you check the output at every step:

#### Step 1

Verify that you are in **/home/coder/project** directory.

```
1 pwd
```

Sample output:

```
coder@fa5eb4134c7f:~/project$ pwd
/home/coder/project
```

If you are not in the above directory, navigate to the same using:

```
1 cd directory_name # To enter into the specified directory
2 cd .. # Navigate to the parent directory
```

#### Step 2

Make sure you have Django installed.

```
1 python3 -m django --version
```

Sample output:

```
coder@fa5eb4134c7f:~/project$ python3 -m django --version
4.1.3
```

If django is not installed, use pip to install the same.

```
1 pip3 install django
```

#### Step 3

Run a command to Start/setup a project such as **myproject**.

```
1 django-admin startproject myproject
```

The project should ideally be set up at this point.

#### Step 4

Step inside the project directory that you have created.

```
1 cd myproject
```

#### Step 5

Create an app called **myapp**.

```
1 python3 manage.py startapp myapp
```

#### Step 6

Run a command to start the server.

```
1 python3 manage.py runserver
```

Sample output:

```
coder@fa5eb4134c7f:~/project/myproject$ python3 manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

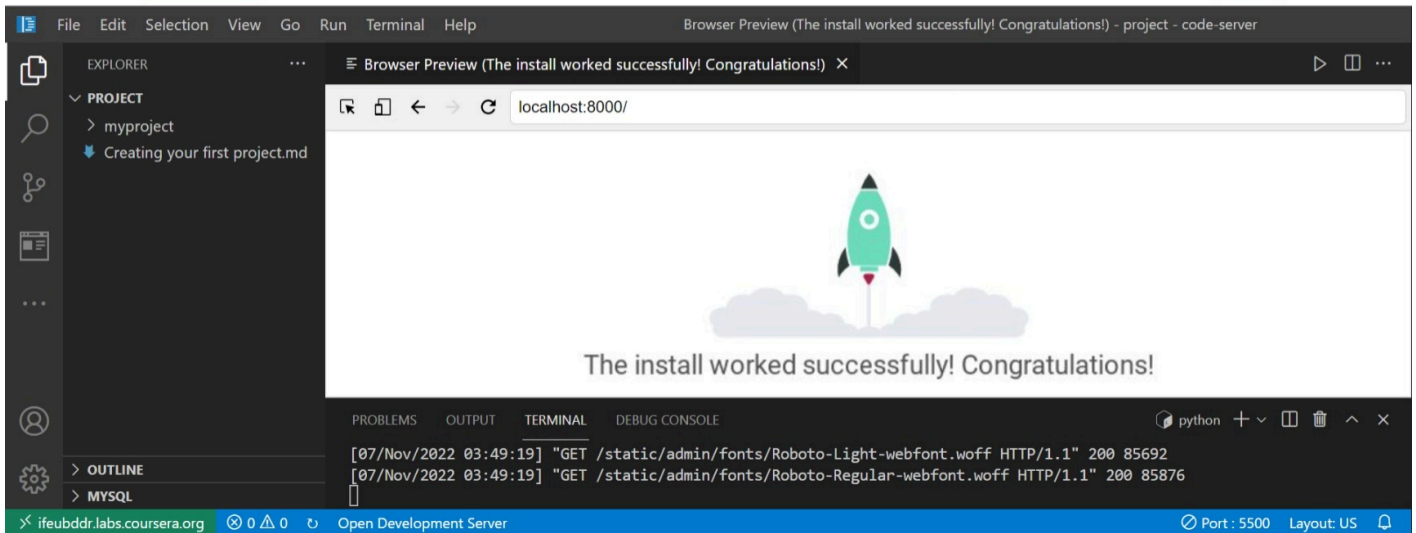
System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
November 07, 2022 - 03:39:10
Django version 4.1.3, using settings 'myproject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
```

#### Step 7

Click on the 'Browser Preview' option among the left-hand menu options inside Vs Code. You can refer to [this](#) <sup>↗</sup> reading for more information.

Copy the URL `http://127.0.0.1:8000/` or `http://localhost:8000` generated above and paste it inside the Browser Window that has opened inside the Vs Code.



### Additional step

You can try changing the URL in the browser and add suffix 'admin' to see the Admin console of Django that you will encounter later.

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