

Django Framework Project using VScode

Lab -2-B

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Create Project and application Using Vscode

1. Prerequisites

- Install [Python](#) (Django requires Python 3.6+).
- Install [Visual Studio Code Software](#).

2. Create a Virtual Environment

Open a terminal in VS Code (`Ctrl + ``) and run:

```
# Create a project folder
```

```
cd desktop
```

```
mkdir myproject
```

```
cd myproject
```

```
# Create a virtual environment
```

```
python -m venv venv
```

```
# Activate the virtual environment
```

```
# For Windows:
```

```
.\venv\Scripts\activate #if error > Set-ExecutionPolicy Unrestricted -scope process
```

```
# For macOS/Linux:
```

```
source venv/bin/activate
```

3. Install Django

```
pip install django
```

4. Create a Django Project

`django-admin startproject mysite`

or

`python -m django startproject mysite`

`cd mysite` # Navigate into the project directory

5. Open the Project in VS Code

6. Run Migrations & Start the Server

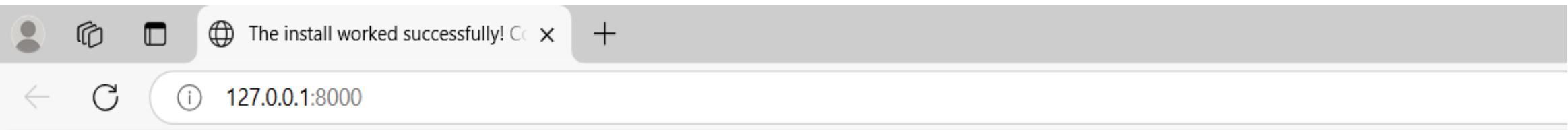
```
python manage.py migrate
```

Apply database migrations

```
python manage.py runserver
```

Start the development server

Visit <http://localhost:8000> in your browser to see the Django welcome page.



django



The install worked successfully! Congratulations!

You are seeing this page because DEBUG=True is in your settings file and you have not configured any URLs.

7. Create a Django App

```
python manage.py startapp myapp
```