

BackEnd Workshop-1

Clarusway



Subject: First App (Welcome to BackEnd)

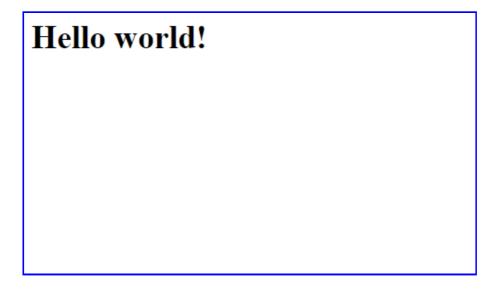
Learning Goal:

• Practice creating a basic Django project and app.

Introduction

Let's get our hands dirty! Create a Django project from scratch. This will be a basic Django project with a simple HTTP response.

The page will seem like:



Nice to have VSCode Extentions:

Djaneiro - Django Snippets

Needs

- Python
- pip
- virtualenv

Code:

Part 1 - Create first project and app

- 1. Create a working directory, cd to new directory.
- 2. Create virtual environment as a best practice.
- 3. Activate scripts.
- 4. Install django.
- 5. See installed python packages.
- 6. Create the requirements.txt on your working directory, send your installed packages to this file, requirements file must be up to date.
- 7. Create project.
- 8. (Optional) If you created your project withhout "." at the end, change the name of the project main directory as src to distinguish from subfolder with the same name.
- 9. Create first application.

Go to the same level with manage.py file if you create your project with nested folders at step 7.

Start app.

- 10. Go to settings.py and add another line as below under INSTALLED_APPS:
- 11. Run your project.

Go to http://localhost:8000/ in your browser, and you should see Django rocket, which means you successfully

created project.

Part 2 - Add Simple View and Say Hello World!

- 12. Go to views.py under "firstapp" directory, and create first view as "home".
- 13. Include URL path of the new app to the project url list.
- 14. Add urls.py file under firstapp directory.
- 15. Run our project again to see your view.
- 16. Go to http://localhost:8000/ in your browser, and you should see the text "Hello, world!", which you defined in the home view.

To stop the server use "CTRL + C"

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