BackEnd Workshop-2

Clarusway

Subject: First App (Welcome to BackEnd)
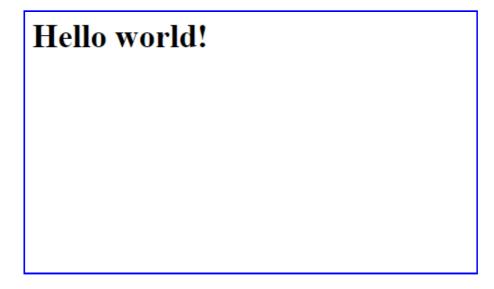
Learning Goal:

- 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 wihthout "." 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"

☺ **Thanks for Attending** ✍

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