Project Directory Structure

Directory Structure

- Once you have created the first project, you can open it in your IDE. You have observed the set of directories are created implicitly. Let us take a brief tour of the directory structure.

- Whatever is the name of your project is the name of the folder holding all your project related files and folders. In our example, project name is firstproject. You can see firstproject folder as the starting point of directory structure. Following is the directory structure which you can see in the IDE

- Inside project folder

    - Project folder

        - __init__.py

        - settings.py

        - urls.py

        - wsgi.py

    - Manage.py

- Above is the general format and you can see the actual names of the folder in your IDE. Notice two folders with the same name as the name of your project, one inside the other. So consider it as a special folder which contains some very important files.

About files

- __init__.py is an empty file, its presence makes the folder as python package

- settings.py contains project related setting statements. We will add some configuration related details when needed.

- urls.py contains URL patterns of web pages.

- wsgi.py is Web Server Gateway Interface, it is a special file, no modification in the file is required

- manage.py : Never edit this file. It is a program to do some initial stuff.

How to run server?

- Django comes with a default server to test your project.

- To run the server type the following command

```
python manage.py runserver
```

- By default it works on port number 8000 but you can choose any port number. Following is the command to run server at port number 9000

```
python manage.py runserver 9000
```

- Ctrl+C is used to stop server

- To verify server, type following URL on browser [do as shown in the video]

http://127.0.0.1:8000