

Django

- A python framework for building web application

Concept of Django

CRUD

C - create

R - read

U - update

D - delete

Setting Up your environment

- Editor
- Python installed
- virtual environment (PIP)

PIP3

Run

- pip install pipenv

//location

cd drive C/users/username/.virtualenvs

Starting django project (use Windows terminal)

create a directory(folder)

Mainly on desktop

Cd into your folder

Run

- pipenv install django

Django come with two files

pipfile

- contains packages installed for your projects

pipfile.lock

contains pinned versions of those packages

Django comes with an admin command

django-admin

- contains commands for working with django

Activating virtual environment (Recommendation - Always activate your virtual environment before working on your project)

Run

- pipenv shell

Django works with

- Project

(Considered as the core of your application)

- Apps

(Independent modules that work together to form a complete software)

First create a project then add your apps...

Creating a Project

Run

- django-admin startproject projectname .

Do not forget the (.) after the project name

Core settings of your project

- manage.py

- settings.py

- urls.py

- utils.py

- asgi.py
- wsgi.py

Apps

manage.py to create apps

Run

- python manage.py startapp appname
- App contents
- models.py
 - views.py
 - urls.py (not included by default)
 - admin.py
 - migration folder

Migrations (Pushing modules into your database)

Run

- python manage.py makemigrations
- python manage.py migrate

Superuser (A user with all permissions to access all contents on the app)

Run

- python manage.py createsuperuser
- * username
- * email
- * password
- * confirm password

Running the server

Run

- python manage.py runserver portnumber (Port number is optional eg. 2345)

You're on the move (Lets begin the magic)

Good Luck, Algorithmicyear (A product from Developers Therapy)