Getting started with django

Install an IDE

We can use
- pycharm or
- Visual Studio Code

Working with Pycharm

Download and the pycharm ide in your computer from the below link –

https://www.jetbrains.com/pycharm/download/#section=windows

Pycharm Additions

There are three additions in pycharm –
- Community edition
- Professional edition
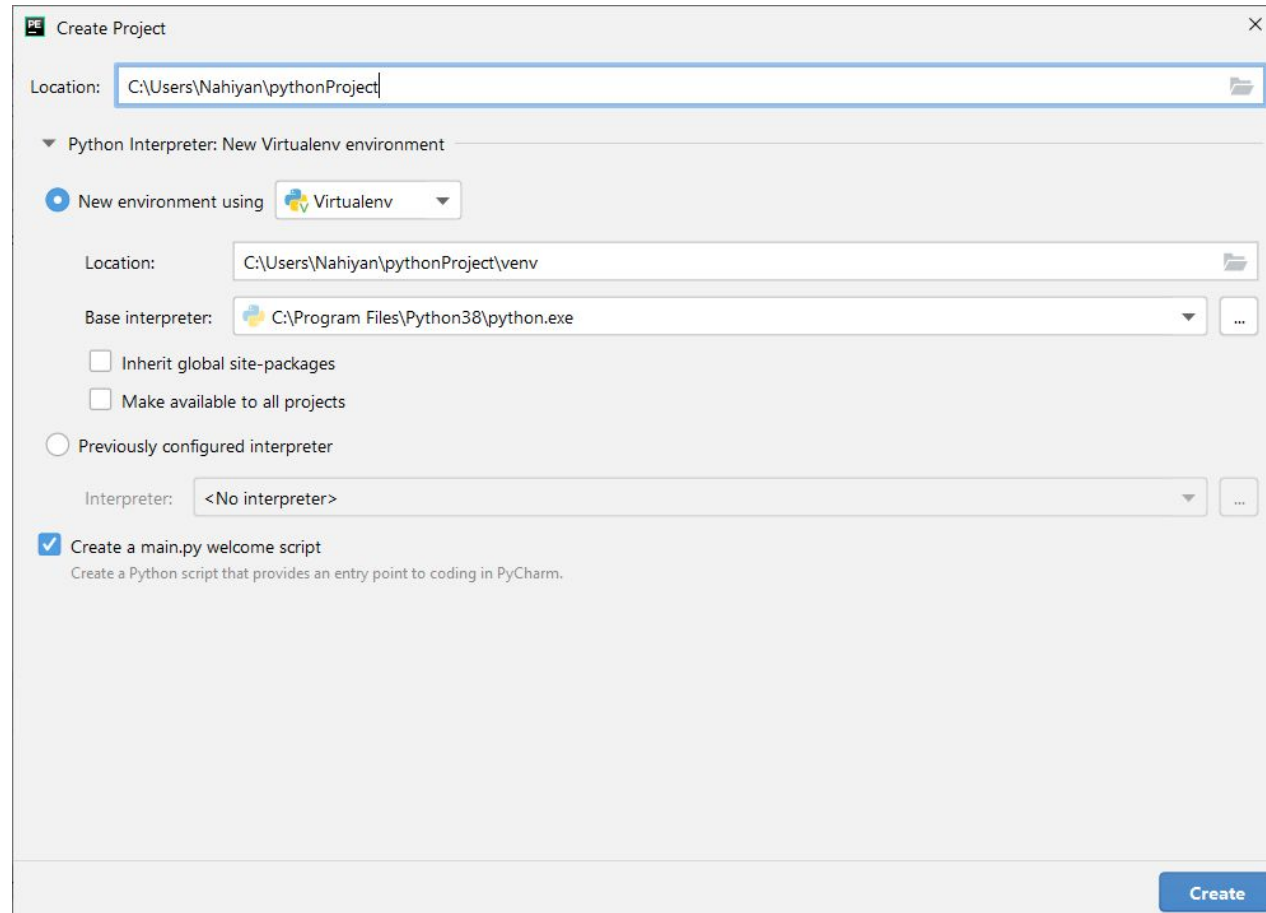- Education Edition

Community and education additions are free.

Professional addition requires subscription fee.

We can download the Professional addition using our academic email account.

Pycharm Community addition

- For general purpose we will see everything from a community addition view

Creating a project

Installing django

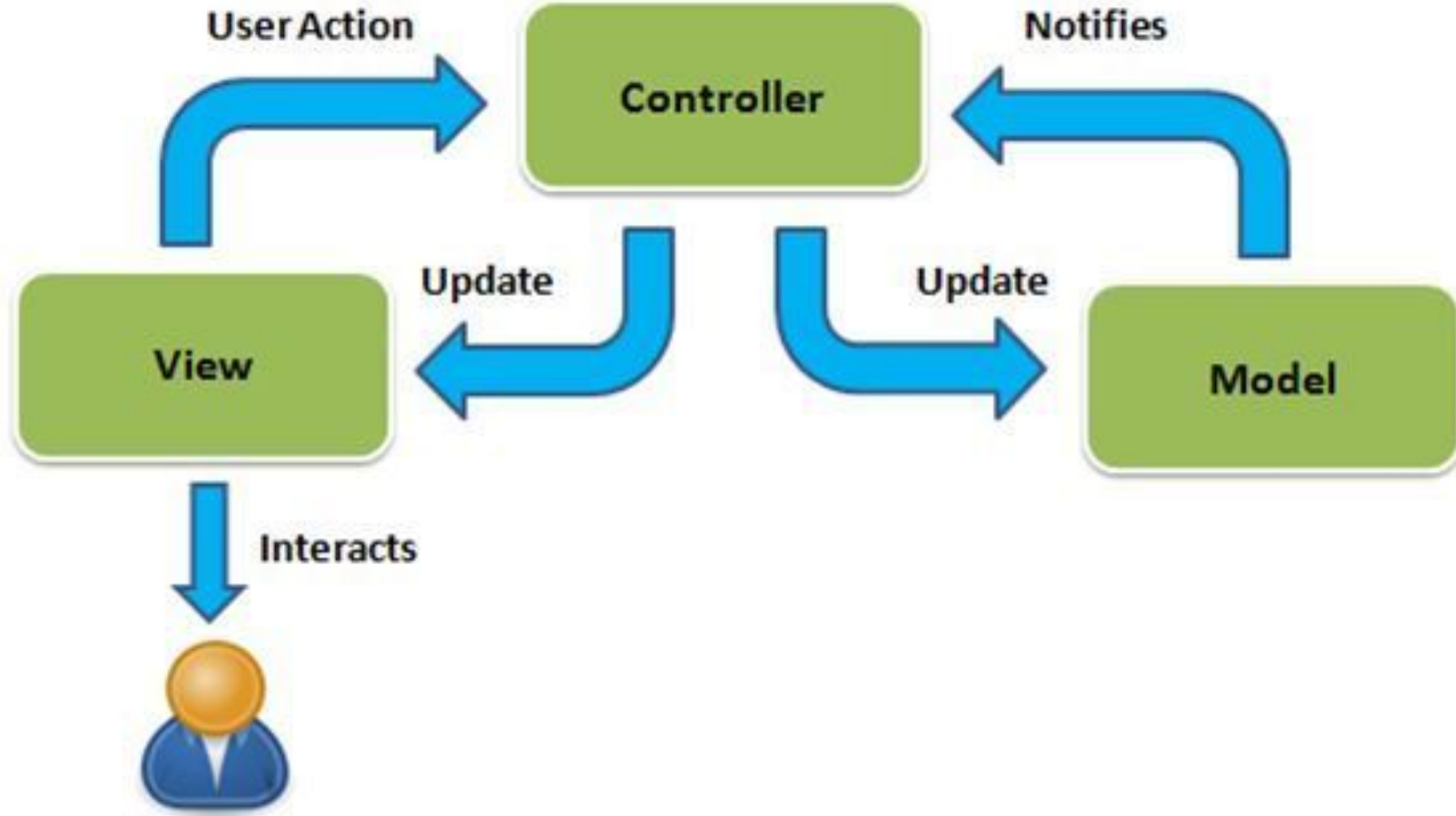Open the terminal in in your Django project and run the following commands

$ pip install django

$ django-admin startproject pythonProject .

$ django-admin startapp demo

To run the server-

$ python manage.py runserver

MVC Pattern

django mvc

- urls.py
- models.py
- views.py

Create Sub-systems (apps)

- django-admin startapp demo
- python manage.py startapp demo2

Front-End (client) – Back-End (server)

- Frond-End
- Back-End
- Full-Stack

Front-End -> Request -> Back-End

Back-End -> Response -> Front-End

- Httprespond()
- render()