python is the top language.

javascript is clientside scripting language.

python is server side.

client side is user side scripting language.

**Applications**

Web Framework

Scientific and computational applications

Games

Data Analytics

Image processing & Computer Graphics(R and python and Go(by google))

**Situations using python**

Embedded Programming

It can be used in wide areas

**Frameworks**

**Flask**

It is less stable,scable.

**Django**

It is professional framework. It is stable etc…

**Install Django**

Intall python 3 series

Pip is pythons package manager

Installing Django------Pip install django

For checking—python –m dango --version

**New Django Project**

**To creat a project--- commands**

1. Django-admin(for viewing all commands)
2. Mkdir folder name
3. Cd foldername
4. Django-admin startproject project name
5. Visual studio code is used for coding….it is a text editor.(code.visualstudio.com)
6. Cd projectname
7. Code . (for calling visualstudio code)
8. Settings.py and urls.py are the two main files of uer project in Visualstudio .project navigations are controlled by urls.py…..

**Creating New Application**

1. Python manage.py startapp appname #creating in cmd app creation command
2. Take the class name from apps.py file inside created appfile.eg ..and go to settings.py and in Installed\_apps and add (‘appname.apps.classname’,) for registering app…..if we not done this step we doesn’t get the app run.
3. Views.py file views are setting
4. Models.py file is for creating data structures..

**Setting Views**

1. Add header files for paths
2. Create function
3. Create a file for urls by right clicking the appname and make new file in name urls.py and import urls, path,views..

* For importing urls----- from django.conf.urls impot url
* For importing view add header file------ from . import views
* For importing path add header file----from django.urls import path
* Then create a list for reffering path

1. Go to project urls.py in new project and app path to applications urls
2. Run the project in cmd using command “python manage.py runserver”….And copy the http link and run it in google chrome.
3. For stopping server press ctrl+c

**Designer Response**

1. Create a folder templates inside app folder
2. Create new file inside the template folder.
3. Press ! mark and press enter
4. Add render code in view page

**Bootstrap**