**Python & Django**

1. Install Python
2. Install Django → pip3 install django (django==2.2.\*)
3. Start Project → django-admin startproject projectname
4. Projectname → add file .gitignore
5. Run Server → python manage.py runserver
6. Projectname → add file views.py
7. Projectname > settings.py → TEMPLATES = ‘DIRS’:[‘templates’]
8. Projectname > urls.py →
   * + - * from . import views
         * urlpattern:[

#add path(‘’, views.home),

]

1. Projectname > views.py →
   * + - * from django.http import HttpResponse
         * from django.shortcuts import render

#make a home funtion

* + - * + def home(request):

return render (request, ‘home.html’, {‘x’:’v’}

1. Projectname-project → add ‘templates’ folder
2. ‘templates’ folder → add file home.html

**APPS&MODEL**

1. Add App → python manage.py startapp appname
2. Appname > models.py → class Job(models.Model):

image = models.ImageField(upload\_to=’/images/’)

summary = models.CharField(max\_length=200)

1. Projectname > setting.py →

#add from Jobs > apps.py > JobsConfig(in class)

* + - * + INSTALLED\_APPS=[

‘jobs.apps.JobsConfig’

]

#Below STATIC\_URL add

* + - * + MEDIA\_ROOT = os.path.join(BASE\_DIR, 'media')
        + MEDIA\_URL = '/media/'

1. Migration →
   * + - * python manage.py migrate
         * python manage.py makemigration

**ADMIN**

1. Create Superuser → python manage.py createsuperuser

**SHOWING APP INTO ADMIN PAGE**

1. Jobs > admin.py →

* from .models import Job
* admin.site.register(Job)

**SHOWING STATIC FILE**

1. Projectname > urls.py →

* from django.conf import settings
* from django.conf.urls.static import static
* urlpatterns = [

~ ~ ~ ~ ~ ~ ~ ~

] + static(settings.MEDIA\_URL,document\_root=settings.MEDIA\_ROOT)

**POSTGRESQL**

1. Reset Password → \password postgres
2. Create Database → CREATE DATABASE databasename;

**DB.SQLITE3 TO POSTGRESQL**

1. Projectname > settings.py →

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.postgresql',

'NAME': 'databasename',

'USER':'postgres',

'PASSWORD':'\*\*\*\*\*\*\*',

'HOST':'localhost',

'PORT':'5432',

}

}

**ADD HOMPAGE**

1. Projectname > urls.py →

* import jobs.views
* urlpatterns = [

path('', jobs.views.home, name='home')

]

1. Jobs folder > views.py → def home(request):

return render (request,'jobs/home.html')

1. Add templates folder into Jobs folder
2. Add jobs folder into template folder
3. Add home.html into jobs folder

**SHOWING JOBS TO HOME**

1. Jobs folder > views.py →

* from .models import Job
* def home(request):

jobs = Job.objects

return render (request,'jobs/home.html')

* def home(request):

jobs = Job.objects

return render (request,'jobs/home.html',{'jobs':jobs})

1. Jobs folder > home.html → {% for job in jobs.all %}

<div class="col-md-4">

<div class="card mb-4 shadow-sm">

<img class="card-img-top" src="{{job.image.url}}" alt="">

<div class="card-body">

<p class="card-text">{{job.summary}}</p>

</div>

</div>

</div>

{% endfor %}

**ADD ANOTHER URLCONF**

1. Projectname > urls.py →

* from django.urls import path, include
* urlpatterns = [

path('blog/', include('blog.urls')),

]

1. Add new file (urls.py) into Blog folder
2. Blog folder > urls.py →

from django.urls import path

from . import views

urlpatterns = [

path('', views.allblogs, name='allblogs'),

]

1. Blog folder > views.py → def allblogs(request):

return render (request, ‘blog/allblogs.html’)

1. Add new folder (/templates/blog/) into Blog folder
2. Add new file (allblogs.html) into blog folder

**MAKING A SUMMARY,DATE\_NOW,SELF\_TITLE**

1. Blog folder > model.py →

* def summary(self):

return self.comment[:100]

* def date\_new (self):

return self.date.strftime('%b %e %Y')

* def \_\_str\_\_(self):

return self.title

**MAKING URL BLOG\_ID (DETAIL)**

1. Blog folder > urls.py → urlpatterns = [

path('<int:blog\_id>', views.detail, name='detail'),

]

1. Blog folder > views.py →

* from django.shorcuts import render, get\_object\_or\_404
* def detail(request, blog\_id):

detailblog = get\_object\_or\_404(Blog, pk=blog\_id)

return render(request, 'blog/detail.html',{'blog':detailblog})

1. Add new file (detail.html) blog folder

**ADDING AND SHOWING STATIC FILE**

1. Add new folder (static) into projectname folder
2. Projectname > setting.py →
   * STATICFILES\_DIRS = [

os.path.join(BASE\_DIR, 'portofolio/static/')

]

* + STATIC\_ROOT = os.path.join(BASE\_DIR, 'static')

1. python manage.py colectstatic
2. add python code ({% load staticfiles %}) into \*.html