Car-Zone project (Udemy)

1. Create a project folder
2. Go inside the project and open gitbase here
3. Then create virtual environment

**Virtual Environment**

* Why we need Virtual Environment
  + Run command – pip freeze
  + It will give you a lot of function/packages which is already install in global scop of our computer. But don’t want all only we want required. That’s why we use virtual environment.
* Check virtual env version
* Virtualenv --version

**Create a virtual environment**

There are 2 ways of creating :

1. Virtualenv env
2. Python -m venv env

**Activate the virtual environment**

Source env/Scripts/activate

Deactivate

Now run pip freeze

Now again activate

**Now install Django**

Pip install Django

**Create the project and app**

**Here you have to dot ate the end**

Django-admin startproject projectName . (last (.) is most important)

Django-admin startapp appName

**Run the server**

Python manage.py runserver

If not run than use cd and project directory than run server.

Open the project in any editor

Register your app in installed app.

    'pages.apps.PagesConfig',

Create a urls.py file inside the app.

**Urls.py (app file)**

from django.urls import path

from . import views

urlpatterns = [

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

]

Here I import views

Make path for home page in urls.py (project file)

Import include

from django.contrib import admin

from django.urls import path,include

urlpatterns = [

path('admin/', admin.site.urls),

path('',include('pages.urls')),

]

**Create the view**

**Views.py (app)**

def home(request):

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

**Create a template folder same as project level folder than create pages folder inside the template than create home.html file**

**Template – pages – home.html**

Create the Home.html and write h1 and anything which will print on the browser.

Go to the settings.py and give the template directory so that it can refer.

TEMPLATES = [

    {

        'BACKEND': 'django.template.backends.django.DjangoTemplates',

        'DIRS': ['templates'],

Static files and Base templates and navigation.

Copy the index.html from carHouse directory and paste in your home.html and load the static files (css/js).

<link rel="stylesheet" type="text/css"

href="{% static 'css/bootstrap.min.css'  %}">

load the static {% load static %}

* create the static folder in the inner project (carzone)
* and paste the all the 4 folders from the carHouse inside the static.

After that register the static files inside the settings.py file.

Settings.py

Import os

STATIC\_ROOT = os.path.join(BASE\_DIR, "static")

STATICFILES\_DIRS = [

os.path.join(BASE\_DIR, "carzone/static"),

]

Now go to the git base and run the collectstatic command

Python manage.py collectstatic

**Collect static command collect all the css/js and images and it will also collect the admin files and it will create the new static folder (project level directory)**

After this you have to do static images.

In the banner start section of your home.html. Do the same for all 3 images.

{% static 'img/car-1.jpg' %}

For the logo if not showing than go to the static folder which is created by Django

Go to

Js/apps.js

And search logo.png. make them static like this

static/img/logos/black-logo.png'

if not working than do same in your static folder.

And if not working than press the cntl+f5(remove the cache)

Now create the base template

Pages level par hi

Template create the base.html

Template

Pages

Home.html

Base.html

**Cut the css and js link from the home.html and paste in the base .html and**

**Also use the block content**.

Here css

{% block content %}

{% endblock %}

Here js.

Inside the block content we basically use the other html files.

**For example**

If I want to use this base file in the home .html than I have to extend the base.html and also use the block content and endblock

{% extends 'base.html'%}

{% block content %}

{% load static %}

*Here all the home.html tags*

{% endblock %}

After that we should break hoem.html in different files like -> footer, navbar in separate html files.

Create a include folder inside the templates and create all 2 files

Templates

Include

Topbar.html

Navbar.html

Footer.html

**Now include all 3 files in the base.html**

{% include 'includes/topbar.html' %}

{% include 'includes/navbar.html' %}

{% block content %}

{% endblock %}

{% include 'includes/footer.html' %}

**We use footer at the end bcz footer will come after all the content**

**Dynamic navigation links**

**Create the 3 files**

About.html

Services.html

Contact.html

**All 3 files content are copy from the carhouse. Here you have to take care of static images**.

**Create the links for 3 files in urls.py (pages)**

from django.urls import path

from . import views

urlpatterns = [

    path('',views.home, name='home'),

    path('about',views.about, name="about"),

    path('services',views.services, name="services"),

    path('contact',views.contact, name="contact"),

]

**Create the views for about, services and contact.**

from django.shortcuts import render

# Create your views here.

def home(request):

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

def about(request):

    return render(request,'pages/about.html')

def services(request):

    return render(request,'pages/services.html')

def contact(request):

    return render(request,'pages/contact.html')

**All the 3 file use the**

{% extends 'base.html' %}

{% block content %}

**Now enable the links.**

**Go to the navbar.html**

**And use -> href=” {% url ‘about’ %} ”**

<a class="nav-link" href="{% url 'about' %}">About</a>

**For all 3.**