**DJANGO WEB APPLICATION (VIEW)**

Create Django Template and App using Admin Command Line Utility

PS C:\Users\kamal\django\_projects> django-admin startproject productTemplates

PS C:\Users\kamal\django\_projects> ls

Directory: C:\Users\kamal\django\_projects

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 27/04/2024 21:51 .venv

d----- 01/05/2024 17:22 firstDjangoProject

d----- 01/05/2024 22:13 productTemplates

d----- 01/05/2024 17:54 templatesDemo

PS C:\Users\kamal\django\_projects> cd .\productTemplates\

PS C:\Users\kamal\django\_projects\productTemplates> dir

Directory: C:\Users\kamal\django\_projects\productTemplates

Mode LastWriteTime Length Name

---- ------------- ------ ----

d----- 01/05/2024 22:13 productTemplates

-a---- 01/05/2024 22:13 694 manage.py

PS C:\Users\kamal\django\_projects\productTemplates> py -m manage startapp productApp

PS C:\Users\kamal\django\_projects\productTemplates>

First Step

Whatever Apps we are creating, has to be added in the settings.py file under INSTALLED\_APPS section:

INSTALLED\_APPS = [

'django.contrib.admin',

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.messages',

'django.contrib.staticfiles',

'productApp'

]

Second Step

Create a templates directory on the project.

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Map this in the settings.py file as below:

TEMPLATES\_DIR = Path(BASE\_DIR/'templates')

Also add the templates as below: (highlighted only)

TEMPLATES = [

{

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

'DIRS': [TEMPLATES\_DIR,],

'APP\_DIRS': True,

'OPTIONS': {

'context\_processors': [

'django.template.context\_processors.debug',

'django.template.context\_processors.request',

'django.contrib.auth.context\_processors.auth',

'django.contrib.messages.context\_processors.messages',

],

},

},

]

Create a folder called static

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Also add this under the TEMPLATES\_DIR

STATIC\_DIR = Path(BASE\_DIR/'static')

Add it under STATIC\_URL = 'static/'

STATICFILES\_DIRS=[

STATIC\_DIR

]

**Output on Console**

[01/May/2024 23:29:48] "GET /mobiles/ HTTP/1.1" 500 137026

[01/May/2024 23:35:25] "GET /mobiles/ HTTP/1.1" 200 301

[01/May/2024 23:35:39] "GET /mobiles/ HTTP/1.1" 200 360

[01/May/2024 23:35:39] "GET /static/css/prod.css HTTP/1.1" 200 124

[01/May/2024 23:36:27] "GET /tabs HTTP/1.1" 301 0

[01/May/2024 23:36:27] "GET /tabs/ HTTP/1.1" 200 384

[01/May/2024 23:36:33] "GET /laptops HTTP/1.1" 301 0

[01/May/2024 23:36:33] "GET /laptops/ HTTP/1.1" 200 359

[01/May/2024 23:41:20] "GET /mobiles/ HTTP/1.1" 200 360

[01/May/2024 23:41:20] "GET /static/css/prod.css HTTP/1.1" 304 0

[01/May/2024 23:41:29] "GET /tabs/ HTTP/1.1" 200 384

[01/May/2024 23:41:38] "GET /laptops/ HTTP/1.1" 200 359

[01/May/2024 23:41:46] "GET /watches HTTP/1.1" 301 0

[01/May/2024 23:41:46] "GET /watches/ HTTP/1.1" 200 360

[01/May/2024 23:41:55] "GET /headphones HTTP/1.1" 301 0

[01/May/2024 23:41:55] "GET /headphones/ HTTP/1.1" 200 364

**Browser Output**

A computer equipment on a table

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A screenshot of a computer

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Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Updated html and css files**

**ind.css**

<!DOCTYPE html>

{% load static %}

<html lang="en" dir="ltr">

<head>

<meta charset="utf-8">

<title>Electronics Portal</title>

<link rel="stylesheet" href="{% static "css/ind.css" %}">

</head>

<body>

<div class="myDiv">

<h1> ELECTRONICS PORTAL </h1>

<h2> MOBILES, TABS, LAPTOPS, SMART WATCHES, HEAD PHONES </h2>

<img src="{%static "images/main.jpg"%}" />

</div>

<div class="mycontainer">

<img src="{%static "images/image2.jpg"%}" />

<button type="button" class="button button1" onclick="window.location.href='/mobiles';">Mobiles</button>

<button type="button" class="button button1" onclick="window.location.href='/tabs';">Tabs</button>

<button type="button" class="button button1" onclick="window.location.href='/laptops';">Laptops</button>

<button type="button" class="button button1" onclick="window.location.href='/watches';">Watches</button>

<button type="button" class="button button1" onclick="window.location.href='/headphones';">Head Phones</button>

<img src="{%static "images/image2.jpg"%}" />

</div>

</body>

</html>

**prod.css**

img{

weight: 100%;

}

h1{

color: blue;

font-size: 250%;

font-family:sans-serif;

text-align: center;

background-color: transparent;

border: 2px;

}

h2{

color: green;

font-size: 125%;

font-family: serif;

text-align: center;

background-color: transparent;

border: 2px;

}

.mycontainer {

border: 10px green groove;

background-color: lightorange;

text-align: center;

display: flex;

}

.myDiv {

border: 10px green groove;

background-color: lightgrey;

text-align: center;

}

table, th, td {

border: 1px solid white;

border-collapse: collapse;

}

th {

background-color: grey;

text-align: center;

display: flex;

font-size: 200%;

font-weight: bolder;

font-family: serif;

margin: 4px 2px;

}

td{

background-color: lightgrey;

text-align: left;

padding: 10px 10px;

display: flex;

font-size: 16px;

font-weight: 100;

font-family: sans-serif;

margin: 4px 2px;

}

**prod.html**

<!DOCTYPE html>

{% load static %}

<html lang="en" dir="ltr">

<head>

<meta charset="utf-8">

<title>Electronics Portal</title>

<link rel="stylesheet" href="{% static "css/prod.css" %}">

</head>

<body>

<div class="myDiv">

<h1> ELECTRONICS PORTAL </h1>

<h2> MOBILES, TABS, LAPTOPS, SMART WATCHES, HEAD PHONES </h2>

<img src="{%static "images/main.jpg"%}" />

</div>

<br>

<div class="mycontainer">

<table style ="width:20%">

<tr>

<th>

Products

</th>

</tr>

<tr>

<td>{{product1}}</td>

</tr>

<tr>

<td>{{product2}}</td>

</tr>

<tr>

<td>{{product3}}</td>

</tr>

<tr>

<td>{{product4}}</td>

</tr>

<tr>

<td>{{product5}}</td>

</tr>

</table>

</div>

<br>

</body>

</html>

**ind.css**

img{

weight: 100%;

}

h1{

color: blue;

font-size: 250%;

font-family:sans-serif;

text-align: center;

background-color: transparent;

border: 2px;

}

h2{

color: green;

font-size: 125%;

font-family: serif;

text-align: center;

background-color: transparent;

border: 2px;

}

.mycontainer {

border: 10px green groove;

background-color: lightblue;

text-align: center;

display: flex;

}

.myDiv {

border: 10px green groove;

background-color: lightblue;

text-align: center;

}

.button {

border: white;

color: green;

width:160px;

padding: 30px 30px;

text-align: center;

display: flex;

font-size: 16px;

margin: 4px 2px;

transition-duration: 0.5s;

cursor: pointer;

}

.button1 {

background-color: white;

color: green;

border: 2px solid #04AA6D;

text-align: center;

}

.button1:hover {

background-color: #04AA6D;

color: cyan;

}

Output after changing the css and html

A computer and electronics on a table

Description automatically generated

A computer and electronics on a table

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a survey

Description automatically generated