Step 1:- in terminal type “ pip install Django==3.1.3.(latest version)”

Step 2:- again in terminal type “Django-admin startproject (pyshop .) {folder name} ”

* “.” Dot should be compulsory at the last, that means in folder

Step 3:- terminal= type “python manage.py runserver”

Then a link will be appered in terminal (ip address of the website)

Step 4:- terminal = type in new teriminal= “ python manage.py startapp products(folder/ app name)”

Step 5:- from products folder/app open views file:

Code:-

from django.http import HttpResponse  
from django.shortcuts import render

def index(request):  
 return HttpResponse(‘hello world’)

step 6:- add new python file to products app/file called (urls.py) and in that

code:

from django.urls import path  
from . import views  
  
  
urlpatterns = [  
 path('', views.index)  
]

step 7:- from pyshop folder open urls file

from line 16 edit code:-

from django.contrib import admin  
from django.urls import path, include  
  
urlpatterns = [  
 path('admin/', admin.site.urls),  
 path('products/', include('products.urls'))  
]

* to add any new page to our website, from views file add new def (dictionary) code:-

from django.http import HttpResponse  
from django.shortcuts import render

def index(request):  
 return HttpResponse(‘hello world’)

def new(request):  
 return HttpResponse('New Products')

* to link this new web page (new products) again g0 to urls from products folder ,

code:-

from django.urls import path  
from . import views  
  
  
urlpatterns = [  
 path('', views.index),  
 path('new', views.new)  
]

step 8:- (main part) to create a models from products folder open model file,

code:-

from django.db import models  
  
  
class Product(models.Model):  
 name = models.CharField(max\_length=225)  
 price = models.FloatField()  
 stock = models.IntegerField()  
 image\_url = models.CharField(max\_length=2083)

* to create new model code new class
* to create automatic table - download db sqlite (data base)
* To create a database table ->

Step 9:- open apps file from products folder

from django.apps import AppConfig  
  
  
class ProductsConfig(AppConfig):  
 name = 'products'

step 10:- add class link address to settings file in pyshop floder, from 33 lline

INSTALLED\_APPS = [  
 'django.contrib.admin',  
 'django.contrib.auth',  
 'django.contrib.contenttypes',  
 'django.contrib.sessions',  
 'django.contrib.messages',  
 'django.contrib.staticfiles',  
 **'products.apps.ProductsConfig'**

**]**

Step 11:- terminal= type “python manage.py makemigrations”

* Now u can find migrations folder in products floder

Step 12 :- to run product table, terminal = type ”python manage.py migrate”

Step 13:- now drag db squlite file to db.squlite application

Step 14:- from the website add /admin to the web link(server),

To create an account, in terminal type “python manage.py createsuperuser”

Step 15:- to add the products to admin websites ,

From products open admin file, code:-

rom django.contrib import admin  
from .models import Product

admin.site.register(Product)

* Now add/ type the details in admin product page

Step 16:- coustimize the admin to clarity, code in admin from products floder

Code:-

from django.contrib import admin  
from .models import Product   
  
  
class ProductAdmin(admin.ModelAdmin):  
 list\_display = ('name', 'price', 'stock')  
  
  
admin.site.register(Product,ProductAdmin)

step 17:- create a folder called templates in products folder

step 18:- in templates folder create index.html file

step 19:- to get all lists and products to website,

open views files from products folder and edit

from django.http import HttpResponse  
from django.shortcuts import render  
from .models import Product  
  
  
def index(request):  
 products = Product.objects.all()  
 return render(request, 'index.html',  
 {'products': products})

step 20 :- now in index.html file ,

open getbootstrap in webbrowser and go to documentation in bootstrap website, and search for starter template and copy the code.

Step 21:- now create an html file in products folder called base.html and paste the copied code :-

<!doctype html>  
<html lang="en">  
<head>  
 <!-- Required meta tags -->  
 <meta charset="utf-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
  
 <!-- Bootstrap CSS -->  
 <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"  
 integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">  
  
 <title>u can buy humans here</title>  
</head>  
<body>  
<!-- As a link -->  
 {% block content %}  
 {% endblock %}  
</div>  
<!-- Optional JavaScript; choose one of the two! -->  
<!-- Option 1: jQuery and Bootstrap Bundle (includes Popper) -->  
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"  
 integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"  
 crossorigin="anonymous"></script>  
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"  
 integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"  
 crossorigin="anonymous"></script>  
  
<!-- Option 2: jQuery, Popper.js, and Bootstrap JS  
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>  
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>  
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.min.js" integrity="sha384-w1Q4orYjBQndcko6MimVbzY0tgp4pWB4lZ7lr30WKz0vr/aWKhXdBNmNb5D92v7s" crossorigin="anonymous"></script>  
-->  
</body>  
</html>

* Change titles and required, and edit as in the top like {block content}, etc..

Step 23:- now in index.html file, code like this

{% extends 'base.html' %}  
  
{% block content %}  
 <h1>Products</h1>  
 {% for product in products %}  
 {% endfor %}  
{% endblock %}

Step 24:- now from getboorstrap website search for cards and copy the code of card ,

And paste it in index.html

{% extends 'base.html' %}  
  
{% block content %}  
 <h1>Products</h1>  
 <div class="row">   
 {% for product in products %}  
 <div class="col">  
 <div class="card" style="width: 18rem;">  
 <img src="{{ product.image\_url }}" class="card-img-top" alt="...">  
 <div class="card-body">  
 <h5 class="card-title">{{ product.name }}</h5>  
 <p class="card-text">${{ product.price }} </p>  
 <a href="#" class="btn btn-primary">add to cart</a>  
 </div>  
 </div>  
 </div>  
 {% endfor %}  
 </div>  
{% endblock %}

* Div row and col for clear view, and rename the cards, as per required files,
* The highlighted text are those which we have to edit/code

FINAL TOUCHES-

* To copy navbar code from getbootstrap and paste to base.html btw body as shown
* <!doctype html>  
  <html lang="en">  
  <head>  
   <!-- Required meta tags -->  
   <meta charset="utf-8">  
   <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
    
   <!-- Bootstrap CSS -->  
   <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"  
   integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">  
    
   <title>u can buy humans here</title>  
  </head>  
  <body>  
  <!-- As a link -->  
  <nav class="navbar navbar-light bg-dark">  
   <a class="navbar-brand" href="#">buy humans at low price </a>  
  </nav>  
  <div class="container">  
   {% block content %}  
   {% endblock %}  
  </div>  
  <!-- Optional JavaScript; choose one of the two! -->  
  <!-- Option 1: jQuery and Bootstrap Bundle (includes Popper) -->  
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"  
   integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"  
   crossorigin="anonymous"></script>  
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"  
   integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"  
   crossorigin="anonymous"></script>  
    
  <!-- Option 2: jQuery, Popper.js, and Bootstrap JS  
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>  
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>  
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.min.js" integrity="sha384-w1Q4orYjBQndcko6MimVbzY0tgp4pWB4lZ7lr30WKz0vr/aWKhXdBNmNb5D92v7s" crossorigin="anonymous"></script>  
  -->  
  </body>  
  </html>
* Div container is for alingling the page properly

SO NOW U CAN OPEN THE PAGE AND SEE THE FINAL RESULTs