

Q) Create a Django based web application project namely MyMart with two apps as List and Order.

Ans)

#starting project

```
H:\CH15>django-admin startproject MyMart
```

#creating apps

```
H:\CH15>cd MyMart
H:\CH15\MyMart>python manage.py startapp List
H:\CH15\MyMart>python manage.py startapp Order
```

#creating folder 'templates' for all HTML files

CH15 > MyMart			Search MyMa
Name	Date modified	Type	
List	12/2/2019 1:59 PM	File folder	
MyMart	12/2/2019 2:07 PM	File folder	
Order	12/2/2019 2:12 PM	File folder	
templates	12/2/2019 2:28 PM	File folder	
db.sqlite3	12/2/2019 1:59 PM	SQLITE3 File	
manage	11/29/2019 2:38 PM	Python File	

#registering all created apps and folder with the project

settings.py - H:\CH15\MyMart\MyMart\settings.py (3.7.3)

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Application definition

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'List',
    'Order',
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'MyMart.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': ['templates'],
        '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',
            ],
        },
    ],
]
```

#creating HTML file for lists of items

<html>

<head><title>List of items</title></head>

<body>

<center>

ITEMS LIST

</center>

|
 1. | Bath tubs | | 7. | Bituminous Paints | ||
 2. | Battery Charger |[illegible] 8. | Blotting Paper | ||
 3. | Battery Eliminator | | 9. | Bolts & Nuts | ||

```
<th>4.</th>
<th align="left">Beam Scales (upto 1.5 tones)</th>
<th>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;</th>
<th>10.</th>
<th align="left">Bolts Sliding</th>
<th>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;</th>
</tr>
<tr>
<th>5.</th>
<th align="left">Belt Leather & straps</th>
<th>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;</th>
<th>11.</th>
<th align="left">Bone Meal</th>
<th>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;</th>
</tr>
<tr>
<th>6.</th>
<th align="left">Brass Wire</th>
<th>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;</th>
<th>12.</th>
<th align="left">Boot Polish</th>
<th>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;</th>
</tr>
</font>
</table>
</body>
</html>
```

#creating HTML file for orders

```
<html>

<head><title>Customer Form</title></head>

<body>

<form action="#" method="post">

{% csrf_token %}

<table border="4" align="center">

<caption>Customer Details</caption>

<tr align="left">

    <th>Customer Name:</th>

    <th><input type="text" name="cname"></th>

</tr>

<tr align="left">

    <th>Customer Address:</th>

    <th><input type="text" name="caddr"></th>

</tr>

<tr align="left">

    <th>Order Item number:</th>

    <th><input type="text" name="item"></th>

</tr>

<tr align="left">

    <th>Order Item Qty:</th>

    <th><input type="text" name="itemqty"></th>

</tr>

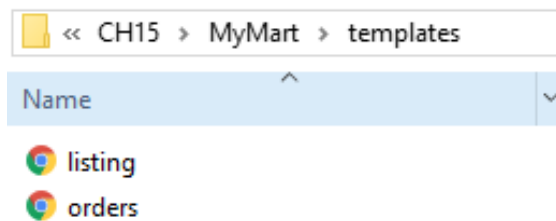
<tr align="left">

    <th><input type="submit" name="submit" value="Submit Form"></th>

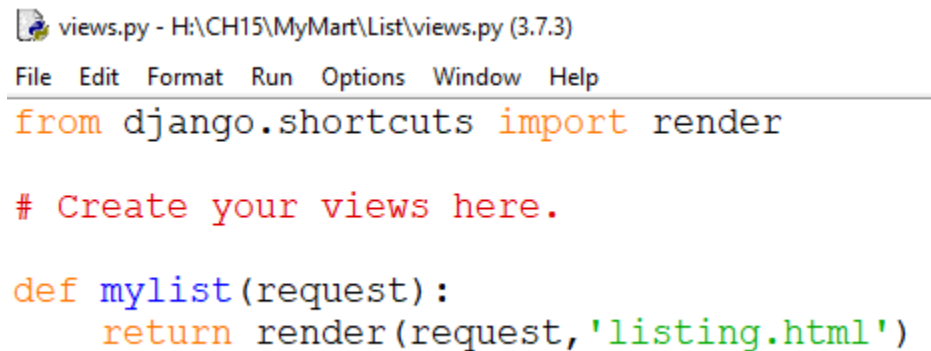
    <th><input type="reset" name="clear" value="Clear Form"></th>
```

```
</tr>
</table>
</form>
</body>
</html>
```

#storing all HTML files in 'templates'



#creating view function for lists



#creating view function for orders

views.py - H:\CH15\MyMart\Order\views.py (3.7.3)

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```
from django.shortcuts import render
import csv

# Create your views here.
def myorder(request):
    if request.method=="POST":
        dict1=request.post
        with open("OrderDetails.csv","a") as csvfile:
            wrt=csv.writer(csvfile)
            for key,value in dict1.items():
                wrt.writerow([key,value])
    return render(request,"orders.html")
```

#making changes to urls.py of MyMart as required

urls.py - H:\CH15\MyMart\MyMart\urls.py (3.7.3)

— □

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```
"""MyMart URL Configuration
```

The `urlpatterns` list routes URLs to views. For more information please see:
<https://docs.djangoproject.com/en/2.2/topics/http/urls/>

Examples:

Function views

1. Add an import: `from my_app import views`
2. Add a URL to `urlpatterns`: `path('', views.home, name='home')`

Class-based views

1. Add an import: `from other_app.views import Home`
2. Add a URL to `urlpatterns`: `path('', Home.as_view(), name='home')`

Including another `URLconf`

1. Import the `include()` function: `from django.urls import include, path`
2. Add a URL to `urlpatterns`: `path('blog/', include('blog.urls'))`

```
"""
```

```
from django.contrib import admin
from django.urls import path
from List import views as listviews
from Order import views as ordviews
```

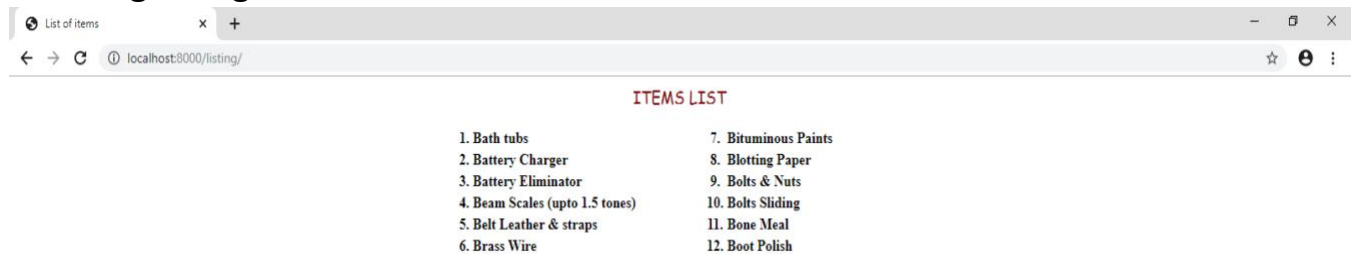
```
urlpatterns = [
    path('listing/', listviews.mylist),
    path('orders/', ordviews.myorder),
    path('admin/', admin.site.urls),
]
```

#running server us command prompt

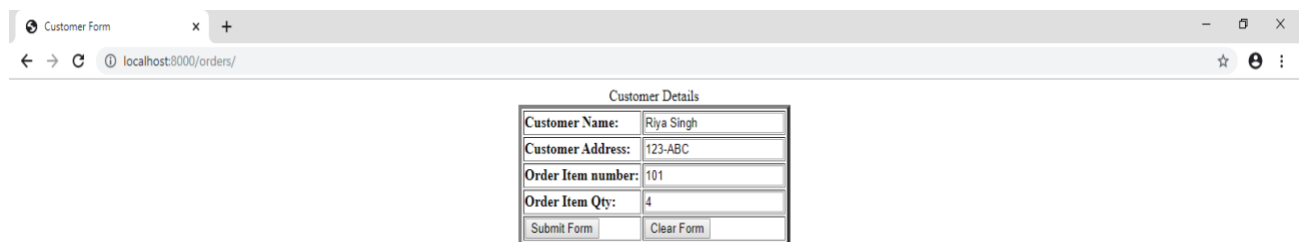
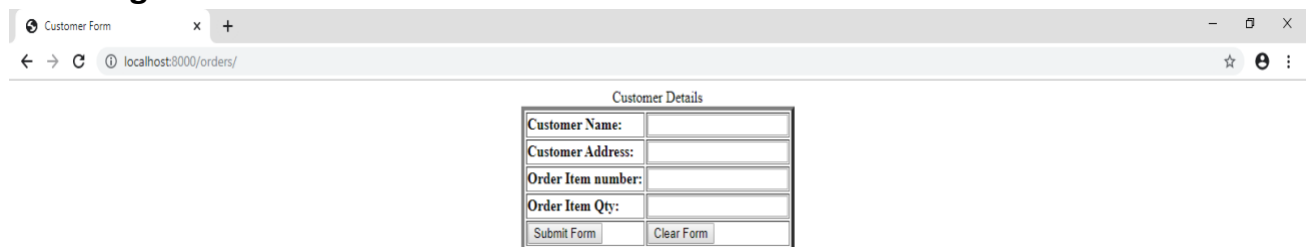
```
H:\CH15\MyMart>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
```

#viewing listing.html



#viewing orders.html



#csv file created to store submitted data

« CH15 » MyMart »			Search MyMart
Name	Date modified	Type	
List	12/2/2019 1:59 PM	File folder	
MyMart	12/2/2019 2:07 PM	File folder	
Order	12/2/2019 2:12 PM	File folder	
templates	12/2/2019 2:28 PM	File folder	
db.sqlite3	12/2/2019 1:59 PM	SQLITE3 File	
manage	11/29/2019 2:38 PM	Python File	
OrderDetails	12/2/2019 2:17 PM	Microsoft Excel C...	

#viewing submitted details through csv file

	A	B	C	D	E	F	G	H	I
1	csrfmiddle	GwHZi2vLO1Ql5PHe7kA1xGVLp6tur5VOW3Po4AKlgRVocME0lP79lJsDNgMJrV5Z							
2									
3	cname	Riya Singh							
4									
5	caddr	123-ABC							
6									
7	item	101							
8									
9	itemqty	4							
10									
11	submit	Submit Form							