**develop a simple django app that displays an unordered list of fruits and ordered list of slected students for an event**

**1-> Goto same folder and activate your environment**

**Cmd--- .\myenv\Scripts\activate**

**2-> django-admin startproject listapp**

**cd listapp**

**3->python manage.py startapp lists**

**4->lists/models.py**

**from django.db import models**

**class Fruit(models.Model):**

**name = models.CharField(max\_length=100)**

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

**return self.name**

**class Student(models.Model):**

**name = models.CharField(max\_length=100)**

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

**return self.name**

**5->list/admin.py**

**from django.contrib import admin**

**from .models import Fruit, Student**

**admin.site.register(Fruit)**

**admin.site.register(Student)**

**6->list/views.py**

**from django.shortcuts import render**

**from .models import Fruit, Student**

**def fruit\_list(request):**

**fruits = Fruit.objects.all()**

**return render(request, 'lists/fruit\_list.html', {'fruits': fruits})**

**def student\_list(request):**

**students = Student.objects.all()**

**return render(request, 'lists/student\_list.html', {'students': students})**

**7->lists/templates/lists/fruit\_list.html**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Fruit List</title>**

**</head>**

**<body>**

**<h1>Unordered List of Fruits</h1>**

**<ul>**

**{% for fruit in fruits %}**

**<li>{{ fruit.name }}</li>**

**{% endfor %}**

**</ul>**

**</body>**

**</html>**

**8->lists/templates/lists/student\_list.html**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Student List</title>**

**</head>**

**<body>**

**<h1>Ordered List of Selected Students</h1>**

**<ol>**

**{% for student in students %}**

**<li>{{ student.name }}</li>**

**{% endfor %}**

**</ol>**

**</body>**

**</html>**

**9-> List/urls.py**

**from django.urls import path**

**from . import views**

**urlpatterns = [**

**path('fruits/', views.fruit\_list, name='fruit\_list'),**

**path('students/', views.student\_list, name='student\_list'),**

**]**

**10-> Listsapp/urls.py**

**from django.contrib import admin**

**from django.urls import path, include**

**urlpatterns = [**

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

**path('lists/', include('lists.urls')),**

**]**

**11-> add ur app in listapp/settings.py**

**INSTALLED\_APPS = [**

**'django.contrib.admin',**

**'django.contrib.auth',**

**'django.contrib.contenttypes',**

**'django.contrib.sessions',**

**'django.contrib.messages',**

**'django.contrib.staticfiles',**

**'lists', # Add your app name here**

**]**

**Migration and database changes**

**python manage.py makemigrations**

**python manage.py migrate**

**create user in command mode**

**python manage.py createsuperuser**

**restart or run server**

**python manage.py runserver**

**in browser**

[**http://127.0.0.1:8000/lists/students/**](http://127.0.0.1:8000/lists/students/)

[**http://127.0.0.1:8000/lists/fruits/**](http://127.0.0.1:8000/lists/fruits/)

**django-admin startproject mywebsite**

**cd mywebsite**

**python manage.py startapp pages**

**File: pages/urls.py**

**from django.urls import path**

**from . import views**

**urlpatterns = [**

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

**path('about/', views.about, name='about'),**

**path('contact/', views.contact, name='contact'),**

**]**

**Pages/views.py**

**from django.shortcuts import render**

**def home(request):**

**return render(request, 'home.html')**

**def about(request):**

**return render(request, 'about.html')**

**def contact(request):**

**return render(request, 'contact.html')**

**File: pages/templates/layout.html**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>{% block title %}My Website{% endblock %}</title>**

**<style>**

**/\* Basic CSS for layout \*/**

**body {**

**font-family: Arial, sans-serif;**

**margin: 0;**

**padding: 0;**

**box-sizing: border-box;**

**}**

**header {**

**background-color: #333;**

**color: #fff;**

**padding: 10px 0;**

**text-align: center;**

**}**

**nav {**

**display: flex;**

**justify-content: center;**

**}**

**nav a {**

**color: #fff;**

**text-decoration: none;**

**padding: 10px 20px;**

**}**

**nav a:hover {**

**background-color: #555;**

**}**

**footer {**

**background-color: #333;**

**color: #fff;**

**text-align: center;**

**padding: 10px 0;**

**position: absolute;**

**bottom: 0;**

**width: 100%;**

**}**

**</style>**

**</head>**

**<body>**

**<header>**

**<h1>My Website</h1>**

**<nav>**

**<a href="{% url 'home' %}">Home</a>**

**<a href="{% url 'about' %}">About Us</a>**

**<a href="{% url 'contact' %}">Contact Us</a>**

**</nav>**

**</header>**

**<div id="content">**

**{% block content %}**

**<!-- This block will be overridden by specific content of each page -->**

**{% endblock %}**

**</div>**

**<footer>**

**<p>&copy; {% now 'Y' %} My Website | Developed by Your Name</p>**

**</footer>**

**</body>**

**</html>**

**home.html**

**{% extends 'layout.html' %}**

**{% block title %}Home - My Website{% endblock %}**

**{% block content %}**

**<h2>Welcome to Our Home Page!</h2>**

**<p>This is the Home Page content of My Website.</p>**

**<!-- Add more content specific to the home page here -->**

**{% endblock %}**

**about.html**

**{% extends 'layout.html' %}**

**{% block title %}About Us - My Website{% endblock %}**

**{% block content %}**

**<h2>About Us</h2>**

**<p>Learn more about our company or organization.</p>**

**<!-- Add more content specific to the about page here -->**

**{% endblock %}**

**contact.html**

**{% extends 'layout.html' %}**

**{% block title %}Contact Us - My Website{% endblock %}**

**{% block content %}**

**<h2>Contact Us</h2>**

**<p>Get in touch with us using the form below or via other contact information.</p>**

**<!-- Add more content specific to the contact page here -->**

**{% endblock %}**

**Mywebsit/urls.py**

**from django.contrib import admin**

**from django.urls import path, include**

**urlpatterns = [**

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

**path('', include('pages.urls')), # Include the URLs from the pages app**

**]**

**mywebsite/settings.py**

**add--- import os**

**'DIRS': [os.path.join(BASE\_DIR, 'pages/templates')], #replacet this in templates**

**To run python manage.py runserver**

[**http://127.0.0.1:8000/home**](http://127.0.0.1:8000/home)