**Step 1: Set Up Your Django Project**

1. Open your terminal and create a new Django project.

   **django-admin startproject carousel_project**

   This creates a folder called carousel_project with the project files.

2. Navigate into the project folder.

   **cd carousel_project**

3. Create a new Django app called carousel.

   **python manage.py startapp carousel**

4. Add the carousel app to your project's settings. Open carousel_project/settings.py and add 'carousel' to the INSTALLED_APPS list:

   INSTALLED_APPS = [

      'django.contrib.admin',
      'django.contrib.auth',
      'django.contrib.contenttypes',
      'django.contrib.sessions',
      'django.contrib.messages',
      'django.contrib.staticfiles',
      **'carousel',  # Add this line**
   ]

5. Run the server to confirm your setup is working.

   **python manage.py runserver**

   Visit http://127.0.0.1:8000/ in your browser to check.

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**Step 2: Add Static Files for Images**

1. Create a folder named static inside the carousel app folder:

   **carousel/**
   **└── static/**

2. Inside the static folder, create another folder for images (e.g., images):

   **carousel/**
   **└── static/**
      **└── images/**
         **├── image1.jpg**
         **├── image2.jpg**
         **└── image3.jpg**

   Add a few sample images to this folder (e.g., image1.jpg, image2.jpg, image3.jpg).

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**Step 3: Set Up Templates**

1. Inside the carousel app, create a folder named templates:

   **carousel/**
   **└── templates/**

2. Inside the templates folder, create an index.html file:
   **carousel/**
   **└── templates/**
      **└── index.html**

3. Add the following code to index.html to create a simple Bootstrap carousel:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Simple Carousel</title>
      {% load static %}
    <!-- Bootstrap CSS -->
    <link              href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
    <div class="container mt-5">
       <div id="carouselExample" class="carousel slide" data-bs-ride="carousel">
          <div class="carousel-inner">
             <div class="carousel-item active">
                <img src="{% static 'images/image1.jpg' %}" class="d-block w-100" alt="...">
             </div>
             <div class="carousel-item">
                <img src="{% static 'images/image2.jpg' %}" class="d-block w-100" alt="...">
```

```
            </div>
            <div class="carousel-item">
               <img src="{% static 'images/image3.jpg' %}" class="d-block w-100" alt="...">
            </div>
         </div>
         <button    class="carousel-control-prev"    type="button"    data-bs-target="#carouselExample"    data-bs-
slide="prev">
               <span class="carousel-control-prev-icon" aria-hidden="true"></span>
               <span class="visually-hidden">Previous</span>
         </button>
         <button    class="carousel-control-next"    type="button"    data-bs-target="#carouselExample"    data-bs-
slide="next">
               <span class="carousel-control-next-icon" aria-hidden="true"></span>
               <span class="visually-hidden">Next</span>
         </button>
      </div>
   </div>
   <!-- Bootstrap JS -->
   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

## Step 4: Configure Static Files in Django

1.  Open carousel_project/settings.py and ensure STATIC_URL is set:

    STATIC_URL = 'static/'

2.  Include static files in your urls.py: Open carousel_project/urls.py and add:

    from django.conf import settings
    from django.conf.urls.static import static
    urlpatterns = [
       # your other paths
    ] **+ static(settings.STATIC_URL, document_root=settings.STATIC_ROOT)**

## Step 5: Create a View and URL for the Carousel

1.  In carousel/views.py, create a simple view to render the template:

    ```
    from django.shortcuts import render
    def index(request):
       return render(request, 'index.html')
    ```

2.  In carousel/urls.py, add a URL pattern for the view:

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

3.  Include the carousel app's URLs in the project's urls.py: Open carousel_project/urls.py and add:

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

    urlpatterns = [
       path('admin/', admin.site.urls),
       **path('', include('carousel.urls')),**
    ]

## Step 6: Run the Project

1.  Start the development server:
    **python manage.py runserver**
2.  Open http://127.0.0.1:8000/ in your browser to see your carousel in action.