

# Problem Statement: Travel Guide Website

## **Objective:**

Create a Travel Guide Website using Django Templates and DTL, featuring:

- Destinations App → Lists various travel destinations.
- Activities App → Lists different activities available in those destinations.

Data will be stored as lists of dictionaries in views.

## **Requirements:**

### **Project Structure:**

Create a Django project with two apps:

- destinations (for listing popular travel spots)
- activities (for showcasing things to do in each destination)

### **Views & URL Patterns:**

#### **- Destinations App (destinations/views.py):**

- destination\_list(request): Displays all destinations.
- destination\_detail(request, dest\_id): Displays details of a selected destination.

#### **- Activities App (activities/views.py):**

- activity\_list(request): Displays all activities.
- activity\_detail(request, activity\_id): Displays details of a selected activity.

Configure separate URL paths for both apps in urls.py.

### **Templates & Features:**

#### **Template Inheritance:**

- main.html for a common layout (navigation, header, footer).
- **destination\_list.html**, **destination\_details.html**, **activity\_list.html** and **activity\_detail.html** should extend main.html.

## Dynamic URL Handling:

- Clicking on a destination should navigate to its detail page using `{% url 'destination_detail' dest.id %}`.
- Clicking on an activity should navigate to its detail page using `{% url 'activity_detail' activity.id %}`.

## For Loops & Conditions:

- List all destinations in `destination_list.html`.
- List all activities in `activity_list.html`.

## Navigation:




You should create a different Home Page (`index.html`) that links to:

- Destinations
- Activities
- Use `{% url 'destination_list' %}` and `{% url 'activity_list' %}` for navigation.

## Dynamic filtering using `{% if %}` and `{% for %}`:

### Task:

On the `destination_list.html` page, categorize destinations based on type:

- Beach Destinations 
- Mountain Destinations 
- Historical Places 

Use if conditions to filter and display them separately.

### Task:

When clicking on a **destination**, show **related activities** at the bottom of its detail page.

Example: On the **Goa page**, show:

- Scuba Diving
- Jet Skiing
- Parasailing

Ensure that activities are **dynamically linked** using `{% url 'activity_detail' activity.id %}`.

## Destination Data List: (You are supposed to use the given data below)

If you get the time and if you want to add image links then you can search online and paste the links in the below data ..

```
destinations_data = [  
  {  
    "id": 1,  
    "name": "Goa Beach",  
    "location": "India",  
    "type": "Beach",  
    "rating": 4.7,  
    "image": "https://example.com/goa.jpg",  
    "description": "Golden sands, lively nightlife, and water sports paradise!"  
  },  
  {  
    "id": 2,  
    "name": "Manali Hills",  
    "location": "India",  
    "type": "Mountain",  
    "rating": 4.5,  
    "image": "https://example.com/manali.jpg",  
    "description": "Snow-capped peaks, adventure activities, and serene views."  
  },  
  {  
    "id": 3,  
    "name": "Pyramids of Giza",  
    "location": "Egypt",  
    "type": "Historical",  
    "rating": 4.9,
```

```
"image": "https://example.com/pyramids.jpg",
"description": "Ancient wonders of the world, full of mystery and grandeur."
},
{
  "id": 4,
  "name": "Bali Paradise",
  "location": "Indonesia",
  "type": "Beach",
  "rating": 4.8,
  "image": "https://example.com/bali.jpg",
  "description": "Lush green landscapes, clear waters, and vibrant culture."
},
{
  "id": 5,
  "name": "Swiss Alps",
  "location": "Switzerland",
  "type": "Mountain",
  "rating": 4.6,
  "image": "https://example.com/swiss.jpg",
  "description": "Stunning scenery, ski resorts, and breathtaking hikes."
},
{
  "id": 6,
  "name": "Machu Picchu",
  "location": "Peru",
  "type": "Historical",
  "rating": 4.8,
  "image": "https://example.com/machu.jpg",
```

```
    "description": "Lost city of the Incas, hidden high in the Andes mountains."
  },
  {
    "id": 7,
    "name": "Amazon Rainforest",
    "location": "Brazil",
    "type": "Adventure",
    "rating": 4.7,
    "image": "https://example.com/amazon.jpg",
    "description": "Explore the world's largest tropical rainforest filled with wildlife."
  },
  {
    "id": 8,
    "name": "Great Barrier Reef",
    "location": "Australia",
    "type": "Beach",
    "rating": 4.9,
    "image": "https://example.com/barrierreef.jpg",
    "description": "World's largest coral reef system, a paradise for divers."
  }
]
```

---

```
activities_data = [
  # Goa Beach (id=1)
  {
    "id": 1,
```

```
"destination_id": 1,
"name": "Scuba Diving",
"image": "https://example.com/scuba.jpg",
"description": "Explore the underwater world with expert guides."
},
{
  "id": 2,
  "destination_id": 1,
  "name": "Jet Skiing",
  "image": "https://example.com/jetski.jpg",
  "description": "Ride the waves and feel the adrenaline rush!"
},
{
  "id": 3,
  "destination_id": 1,
  "name": "Beach Volleyball",
  "image": "https://example.com/volleyball.jpg",
  "description": "Enjoy an exciting game of volleyball on the beach."
},
```

# Manali Hills (id=2)

```
{
  "id": 4,
  "destination_id": 2,
  "name": "Paragliding",
  "image": "https://example.com/paragliding.jpg",
  "description": "Soar high above the mountains and enjoy breathtaking views."
},
```

```
{  
  "id": 5,  
  "destination_id": 2,  
  "name": "Skiing",  
  "image": "https://example.com/skiing.jpg",  
  "description": "Hit the slopes and experience thrilling snow adventures."  
},
```

# Pyramids of Giza (id=3)

```
{  
  "id": 6,  
  "destination_id": 3,  
  "name": "Camel Ride",  
  "image": "https://example.com/camel.jpg",  
  "description": "Travel across the golden sands like the ancient Egyptians."  
},
```

```
{  
  "id": 7,  
  "destination_id": 3,  
  "name": "Archaeological Tour",  
  "image": "https://example.com/tour.jpg",  
  "description": "Discover the secrets of ancient Egypt with an expert guide."  
},
```

# Bali Paradise (id=4)

```
{  
  "id": 8,  
  "destination_id": 4,
```

```
"name": "Surfing",
"image": "https://example.com/surfing.jpg",
"description": "Catch the best waves in the heart of Bali!"
},
{
  "id": 9,
  "destination_id": 4,
  "name": "Island Hopping",
  "image": "https://example.com/island.jpg",
  "description": "Explore beautiful islands and hidden beaches."
},
```

# Swiss Alps (id=5)

```
{
  "id": 10,
  "destination_id": 5,
  "name": "Snowboarding",
  "image": "https://example.com/snowboard.jpg",
  "description": "Glide through snowy peaks with breathtaking views."
},
{
  "id": 11,
  "destination_id": 5,
  "name": "Mountain Trekking",
  "image": "https://example.com/trekking.jpg",
  "description": "Experience scenic trails and enjoy panoramic views."
},
```



# Machu Picchu (id=6)

```
{  
  "id": 12,  
  "destination_id": 6,  
  "name": "Hiking",  
  "image": "https://example.com/hiking.jpg",  
  "description": "Walk the legendary Inca trail to reach the ancient ruins."  
},  
{  
  "id": 13,  
  "destination_id": 6,  
  "name": "Photography Tour",  
  "image": "https://example.com/photo.jpg",  
  "description": "Capture the beauty of Machu Picchu with professional guides."  
},
```

# Amazon Rainforest (id=7)

```
{  
  "id": 14,  
  "destination_id": 7,  
  "name": "Wildlife Safari",  
  "image": "https://example.com/safari.jpg",  
  "description": "Spot rare animals in their natural habitat."  
},  
{  
  "id": 15,  
  "destination_id": 7,  
  "name": "River Kayaking",
```

```
    "image": "https://example.com/kayaking.jpg",  
    "description": "Paddle through Amazon's winding rivers and experience nature."  
  },
```

```
# Great Barrier Reef (id=8)
```

```
{  
  "id": 16,  
  "destination_id": 8,  
  "name": "Snorkeling",  
  "image": "https://example.com/snorkeling.jpg",  
  "description": "Discover colorful marine life up close."  
},
```

```
{  
  "id": 17,  
  "destination_id": 8,  
  "name": "Glass Bottom Boat Tour",  
  "image": "https://example.com/boat.jpg",  
  "description": "See the reef without getting wet on a guided boat tour."  
},
```

```
{  
  "id": 18,  
  "destination_id": 8,  
  "name": "Underwater Photography",  
  "image": "https://example.com/underwater.jpg",  
  "description": "Capture stunning marine life photos with expert tips."  
},
```

```
{  
  "id": 19,
```

```
    "destination_id": 8,  
    "name": "Dolphin Watching",  
    "image": "https://example.com/dolphins.jpg",  
    "description": "Spot playful dolphins in the crystal-clear waters."  
  },  
  {  
    "id": 20,  
    "destination_id": 8,  
    "name": "Coral Reef Diving",  
    "image": "https://example.com/coral.jpg",  
    "description": "Dive deep to explore breathtaking coral formations."  
  }  
]
```