App.py

from flask import Flask, render\_template, request, redirect, url\_for  
from flask\_sqlalchemy import SQLAlchemy  
  
app = Flask(\_\_name\_\_)  
app.config['SQLALCHEMY\_DATABASE\_URI'] = 'postgresql+psycopg2://postgres:HarshTomar@localhost:5432/traveldb'  
app.config['SQLALCHEMY\_TRACK\_MODIFICATIONS'] = False  
db = SQLAlchemy(app)  
  
class Destination(db.Model):  
 id = db.Column(db.Integer, primary\_key=True)  
 name = db.Column(db.String(80), unique=True, nullable=False)  
 description = db.Column(db.String(500), nullable=False)  
 image = db.Column(db.String(200), nullable=False)  
  
@app.route('/')  
def home():  
 return render\_template('home.html')  
  
@app.route('/destinations')  
def destinations():  
 destinations = Destination.query.all()  
 return render\_template('destinations.html', destinations=destinations)  
  
@app.route('/about')  
def about():  
 return render\_template('about.html')  
  
@app.route('/contact')  
def contact():  
 return render\_template('contact.html')  
  
@app.route('/add\_destination', methods=['GET', 'POST'])  
def add\_destination():  
 if request.method == 'POST':  
 name = request.form['name']  
 description = request.form['description']  
 image = request.form['image']  
 new\_destination = Destination(name=name, description=description, image=image)  
 try:  
 db.session.add(new\_destination)  
 db.session.commit()  
 return redirect('/destinations')  
 except:  
 return 'There was an issue adding your destination'  
 else:  
 return render\_template('add\_destination.html')  
  
@app.route('/edit\_destination/<int:id>', methods=['GET', 'POST'])  
def edit\_destination(id):  
 destination = Destination.query.get\_or\_404(id)  
 if request.method == 'POST':  
 destination.name = request.form['name']  
 destination.description = request.form['description']  
 destination.image = request.form['image']  
 try:  
 db.session.commit()  
 return redirect('/destinations')  
 except:  
 return 'There was an issue updating your destination'  
 else:  
 return render\_template('edit\_destination.html', destination=destination)  
  
@app.route('/delete\_destination/<int:id>')  
def delete\_destination(id):  
 destination = Destination.query.get\_or\_404(id)  
 try:  
 db.session.delete(destination)  
 db.session.commit()  
 return redirect('/destinations')  
 except:  
 return 'There was an issue deleting your destination'  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 app.run(debug=True)

add\_destination.html

{% extends 'base.html' %}  
  
{% block title %}Add Destination{% endblock %}  
  
{% block content %}  
 <h2>Add a New Destination</h2>  
 <form action="/add\_destination" method="post">  
 <div class="form-group">  
 <label for="name">Name:</label>  
 <input type="text" id="name" name="name" class="form-control" required>  
 </div>  
 <div class="form-group">  
 <label for="description">Description:</label>  
 <textarea id="description" name="description" class="form-control" required></textarea>  
 </div>  
 <div class="form-group">  
 <label for="image">Image URL:</label>  
 <input type="text" id="image" name="image" class="form-control" required>  
 </div>  
 <button type="submit" class="btn btn-primary">Add Destination</button>  
 </form>  
{% endblock %}

edit\_destination.html

{% extends 'base.html' %}  
  
{% block title %}Add Destination{% endblock %}  
  
{% block content %}  
 <h2>Add a New Destination</h2>  
 <form action="/add\_destination" method="post">  
 <div class="form-group">  
 <label for="name">Name:</label>  
 <input type="text" id="name" name="name" class="form-control" required>  
 </div>  
 <div class="form-group">  
 <label for="description">Description:</label>  
 <textarea id="description" name="description" class="form-control" required></textarea>  
 </div>  
 <div class="form-group">  
 <label for="image">Image URL:</label>  
 <input type="text" id="image" name="image" class="form-control" required>  
 </div>  
 <button type="submit" class="btn btn-primary">Add Destination</button>  
 </form>  
{% endblock %}

delete\_destination.html

{% extends 'base.html' %}  
  
{% block title %}Delete Destination{% endblock %}  
  
{% block content %}  
 <h2>Delete Destination</h2>  
 <p>Are you sure you want to delete {{ destination.name }}?</p>  
 <form action="/delete\_destination/{{ destination.id }}" method="post">  
 <button type="submit" class="btn btn-danger">Delete</button>  
 </form>  
{% endblock %}

Styles.css

body {  
 font-family: Arial, sans-serif;  
 margin: 0;  
 padding: 0;  
 background-color: #f4f4f4;  
}  
  
.header, .footer {  
 background-color: #333;  
 color: white;  
 text-align: center;  
 padding: 1rem;  
}  
  
.header a, .footer a {  
 color: white;  
 text-decoration: none;  
 padding: 0 1rem;  
}  
  
.container {  
 margin: 2rem auto;  
 max-width: 1200px;  
 padding: 1rem;  
 background-color: white;  
 box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}  
  
.navbar {  
 display: flex;  
 justify-content: center;  
 background-color: #444;  
 padding: 1rem;  
}  
  
.navbar a {  
 color: white;  
 padding: 0 1rem;  
 text-decoration: none;  
}  
  
.navbar a:hover {  
 text-decoration: underline;  
}  
  
.card {  
 border: 1px solid #ddd;  
 margin: 1rem;  
 padding: 1rem;  
 border-radius: 5px;  
 background-color: #fff;  
 box-shadow: 0 0 5px rgba(0, 0, 0, 0.1);  
}  
  
.card img {  
 max-width: 100%;  
 border-radius: 5px;  
}  
  
.card h3 {  
 margin: 1rem 0;  
}  
  
.card p {  
 color: #555;  
}

about.html

{% extends 'base.html' %}  
  
{% block title %}About{% endblock %}  
  
{% block content %}  
 <h2>About Us</h2>  
 <p>We are dedicated to helping you discover the best travel destinations around the world.</p>  
{% endblock %}

base.html

<!doctype html>  
<html lang="en">  
 <head>  
 <meta charset="utf-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
 <title>{% block title %}Travel Site{% endblock %}</title>  
 <link rel="stylesheet" href="{{ url\_for('static', filename='css/styles.css') }}">  
 </head>  
 <body>  
 <header class="header">  
 <h1>Travel Site</h1>  
 <nav class="navbar">  
 <a href="{{ url\_for('home') }}">Home</a>  
 <a href="{{ url\_for('destinations') }}">Destinations</a>  
 <a href="{{ url\_for('about') }}">About</a>  
 <a href="{{ url\_for('contact') }}">Contact</a>  
 </nav>  
 </header>  
 <main class="container">  
 {% block content %}{% endblock %}  
 </main>  
 <footer class="footer">  
 <p>&copy; 2024 Travel Site. All rights reserved.</p>  
 </footer>  
 </body>  
</html>

home.html

{% extends 'base.html' %}  
  
{% block title %}Home{% endblock %}  
  
{% block content %}  
 <h2>Welcome to Our Travel Site</h2>  
 <p>Discover amazing travel destinations around the world.</p>  
{% endblock %}

destinations.html

{% extends 'base.html' %}  
  
{% block title %}Destinations{% endblock %}  
  
{% block content %}  
 <h2>Our Top Destinations</h2>  
 <a href="{{ url\_for('add\_destination') }}" class="btn btn-success mb-3">Add New Destination</a>  
 <div class="row">  
 {% for destination in destinations %}  
 <div class="col-md-4">  
 <div class="card">  
 <img src="{{ destination.image }}" alt="{{ destination.name }}" class="card-img-top">  
 <div class="card-body">  
 <h5 class="card-title">{{ destination.name }}</h5>  
 <p class="card-text">{{ destination.description }}</p>  
 <a href="{{ url\_for('edit\_destination', id=destination.id) }}" class="btn btn-primary">Edit</a>  
 <a href="{{ url\_for('delete\_destination', id=destination.id) }}" class="btn btn-danger">Delete</a>  
 </div>  
 </div>  
 </div>  
 {% endfor %}  
 </div>  
{% endblock %}

A screenshot of a computer program

Description automatically generated