

ONLINE TOURISM PORTAL SYSTEM

A Project Report

Submitted in Partial fulfillment

Of the Degree of

Bachelor of Computer Application

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Enrolment. No: 120921039

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(2021-24)

PROJECT CERTIFICATE

This is to certify that the project report entitled Online Tousirum Portal System submitted to **JaganNath University, Bahadurgarh** in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF COMPUTER APPLICATIONS (BCA)**, is an original work carried out by Navtej Singh. Enrollment No: 120921039 under the guidance of Ms.Raman Joshi. The matter embodied in this project is a genuine work done by the student and has not been submitted whether to this University or to any other University/Institute for the fulfillment of the requirement of any course of study.

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Signature of the Guide

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Date:

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Thanking you

Navtej Singh

BCA SEM VI

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INTRODUCTION

Welcome to the Online Tourism Portal System, which is a comprehensive platform designed to facilitate seamless interaction between customers and Places. It allows customers to provide feedback on their visiting experiences, which can be used by Places owners and managers to improve their services. This system ensures that customer voices are heard and acted upon, leading to enhanced customer satisfaction and loyalty.

Here's what you can do as a user:

- Sign Up: You can create an account by providing their username and password on the sign-up page.
- Login: Existing users can log in to their accounts using their username and password.
- Browse Places: Users can view a list of participating Places on the dashboard, each with a brief description and link to their respective feedback pages.
- Submit Feedback: Users can select a Places and submit their feedback by providing a rating (1-5 stars) and a comment about their experience.
- After submitting feedback, users can view their feedback along with feedback from other users for the same Places.

OBJECTIVE

Online tourism portal for Feedback Analysis is committed to provide the easy way to use the system by the user.

- Provide a platform for users to give feedback on Places.
- Assist in gaining valuable feedback from people who already visited the place to improve their experience.
- Enable users to view feedback from other customers to make informed decisions.
- Ensure a secure and user-friendly interface for feedback submission and display.
- To view exciting places from the web page.
- Improve User Experience: Gather insights on the ease of navigation, design, and usability of the portal to identify areas for improvement.
- Enhance Content Quality: Understand if the information provided (such as travel guides, destination details, and booking processes) is comprehensive, accurate, and helpful.
- Facilitate Continuous Improvement: Use feedback to implement iterative improvements and keep the portal aligned with current technology trends and user expectations.
- Support Marketing Strategies: Gather testimonials and positive feedback for use in marketing materials and to build credibility and trust with potential users.

TOOLS / ENVIRONMENT

System	Software/ Hardware Requirements
Client/ Server System Operating System	Windows 10
Language used	HTML, CSS, PYTHON, SQL
Compiler used	Visual Studio Code
RAM	Minimum 510 Mb
Disk space	Minimum 500 Mb

ANALYSIS DOCUMENT

SOFTWARE REQUIREMENT SPECIFICATION

Index

1. Introduction

- 1.1 Purpose
- 1.2 Problem Statement
- 1.3 Scope of the Project
- 1.4 Intended Audience

2. Overall Description

- 2.1 Product Perspective
- 2.2 Product Functions
- 2.3 Dependencies

5. Conclusion

1. INTRODUCTION

1.1 Purpose:

The Online tourism portal for Feedback Analysis is a web-based application that allows users to view details of various Places and submit feedback. Users can sign up and log in to the system, browse through a list of Places, and provide ratings and comments for each Places. The system stores user feedback in a database and displays it on the respective Place's page.

1.2 Problem Statement:

The Tourism industry relies heavily on customer satisfaction and feedback to improve service quality, menu offerings, and overall dining experience. However, traditional methods of collecting feedback, such as paper surveys or comment cards, are often inefficient, time-consuming, and prone to data loss. Furthermore, customers lack a centralized platform to provide feedback or view other customers' experiences, which can aid in their decision-making process.

1.3 Scope of the Project:

The Online tourism portal for Feedback Analysis is designed to streamline the process of collecting, managing, and analyzing customer feedback for Places. This web-based platform will serve both customers and Places owners, providing a secure and user-friendly interface for submitting and viewing feedback.

1.4 Intended Audience:

The intended audience for the Online tourism portal for Feedback Analysis includes customers who visit Places and want to provide feedback, Places owners/managers who seek insights to improve their services, administrators responsible for managing the system's operation and security, and developers tasked with developing and maintaining the system.

2. OVERALL DESCRIPTION

2.1 Product Perspective:

The online tourism portal for Feedback Analysis is designed to serve as an integral tool within the broader ecosystem of management and customer engagement solutions. It bridges the gap between Local and International management by providing a structured platform for collecting, analyzing, and responding to customer feedback.

2.2 Product Functions:

Administrator:

- **Login:** Administrators can authenticate their identity using username and password.
- **View :** Administrators can view all the Places enlisted.
- **Add:** Administrators can add/list new Places in the web application.

Places

- **Login:** can authenticate their identity using credentials like username and password.
- **View feedback:** The Places can view all the feedback and ratings provided to them by users.
- **Analysis:** Analyze feedback data to identify trends, strengths, and areas for improvement.

User:

- **SIGNUP:** Users can signup their accounts by providing necessary details.
- **Login:** Registered users can authenticate using username and password.
- **View:** Users can view various different Places and their information.
- **Submit Feedback:** Users can submit their feedback for different Places.

2.3 Dependencies:

The dependencies of the Places Feedback Analysis System include:

Python: The core programming language used for back-end development.

Flask: A micro web framework for Python used for building web applications.

SQLite: A lightweight relational database management system (RDBMS) used for storing feedback data and user information.

Werkzeug: A utility library for Python used for password hashing and authentication.

Jinja2: A template engine for Python used for generating dynamic HTML content.

HTML/CSS: Front end technologies used for creating the user interface and enhancing interactivity.

Web Browser: Any modern web browser is required for accessing and interacting with the web application.

These dependencies are essential for the functioning of the system and must be installed and configured properly to ensure its proper operation.

5. CONCLUSION

The Tourism Portal Feedback System project successfully implements a comprehensive platform for users to provide and view feedback on various restaurants. By utilizing Flask for the web framework and SQLite for the database, the project offers a user-friendly and efficient way to manage user interactions and feedback submissions. Here are the key takeaways:

User Authentication:

The system allows users to sign up and log in securely using hashed passwords, ensuring the safety and privacy of user data.

Feedback Collection:

Authenticated users can submit feedback for different restaurants, including a rating and comments. This feedback is stored in the database, linked to the specific user and restaurant.

Database Management:

The system uses SQLite to handle data storage, creating tables for users and feedback. The database is initialized at the start of the application, ensuring that all necessary tables are in place.

User Interface:

The HTML templates provide a visually appealing and intuitive interface, including a welcoming landing page, login and signup forms, and separate pages for each restaurant where users can submit their feedback.

Routing and Navigation:

DESIGN DOCUMENT

ER DIAGRAM

An ER diagram visually represents entities, attributes, and relationships in a database. Entities are depicted as rectangles containing attributes, and relationships are shown as lines connecting entities, denoting connections between them. It aids in understanding database structure and designing efficient databases.

Fig. 5.1 (Entity Relationship Diagram For Online tourism for Feedback Analysis)

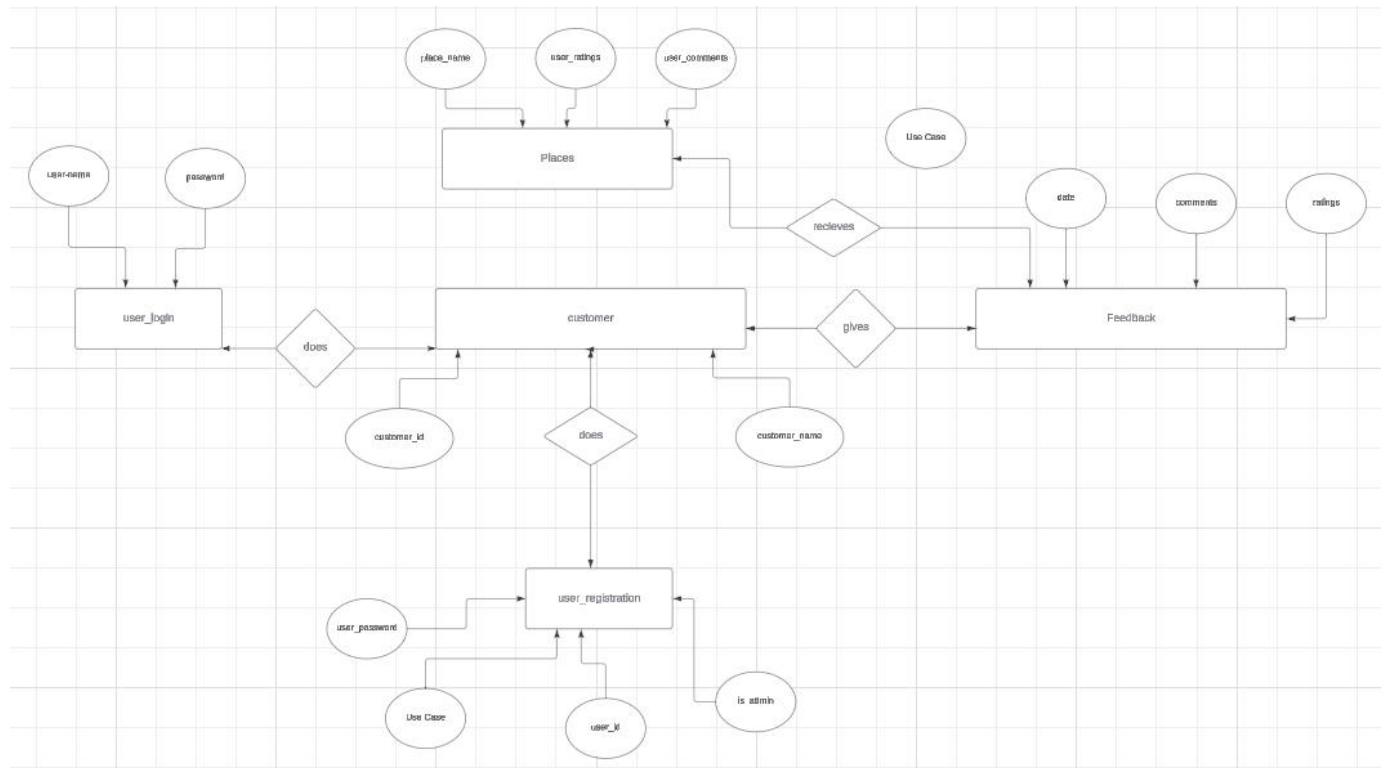


Figure 4.1

DFD (level 0)

A DFD Level 0 is a top-level diagram showing the main processes of a system, their interactions with external entities, and the flow of data between them. It provides a high-level overview without diving into the specifics of individual processes, helping stakeholders understand how data moves through the system.

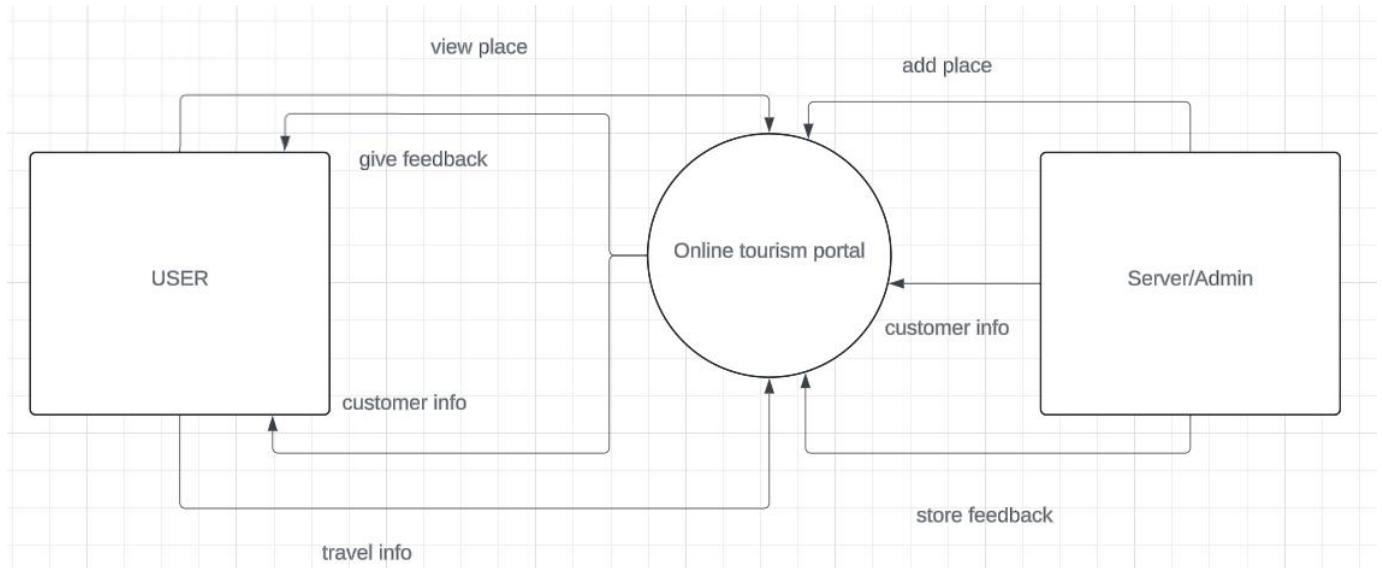


Fig4.2 (DFD Level 0 For Places feedback analysis)

DFD (level-1)

A DFD Level 1 expands upon the processes of a DFD Level 0, breaking them down into more detailed subprocesses. It shows how data flows within each process, illustrating inputs, outputs, and data transformations. External entities interact with these processes, initiating or receiving data flows. DFD Level 1 provides a more granular view of system functionality compared to Level 0.

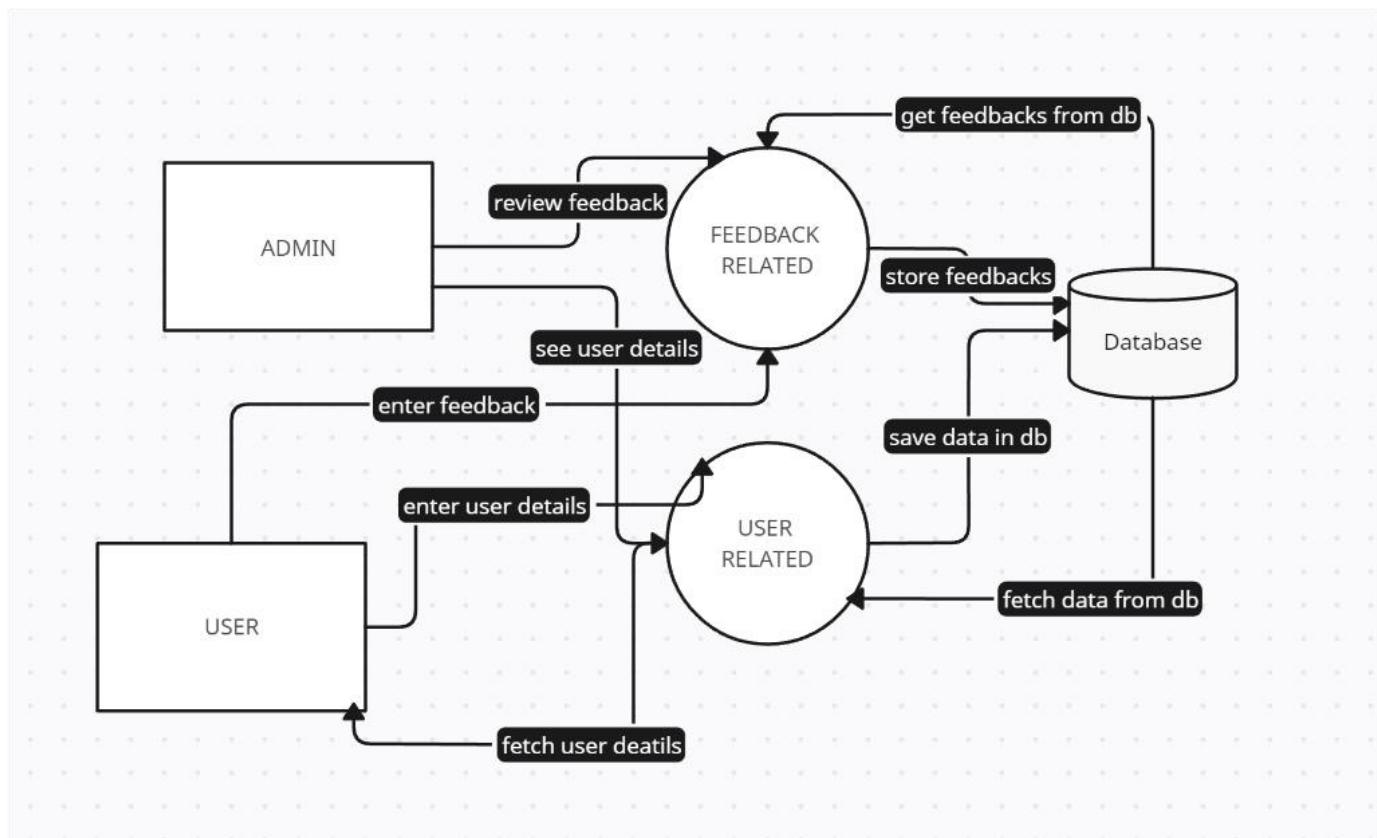


Figure 4.3

USE CASE DIAGRAM

A use case diagram illustrates interactions between actors and a system to achieve specific goals or tasks. Actors represent users or entities interacting with the system. Use cases depict the functionalities or features provided by the system. Relationships between actors and use cases show how users utilize the system to accomplish tasks.

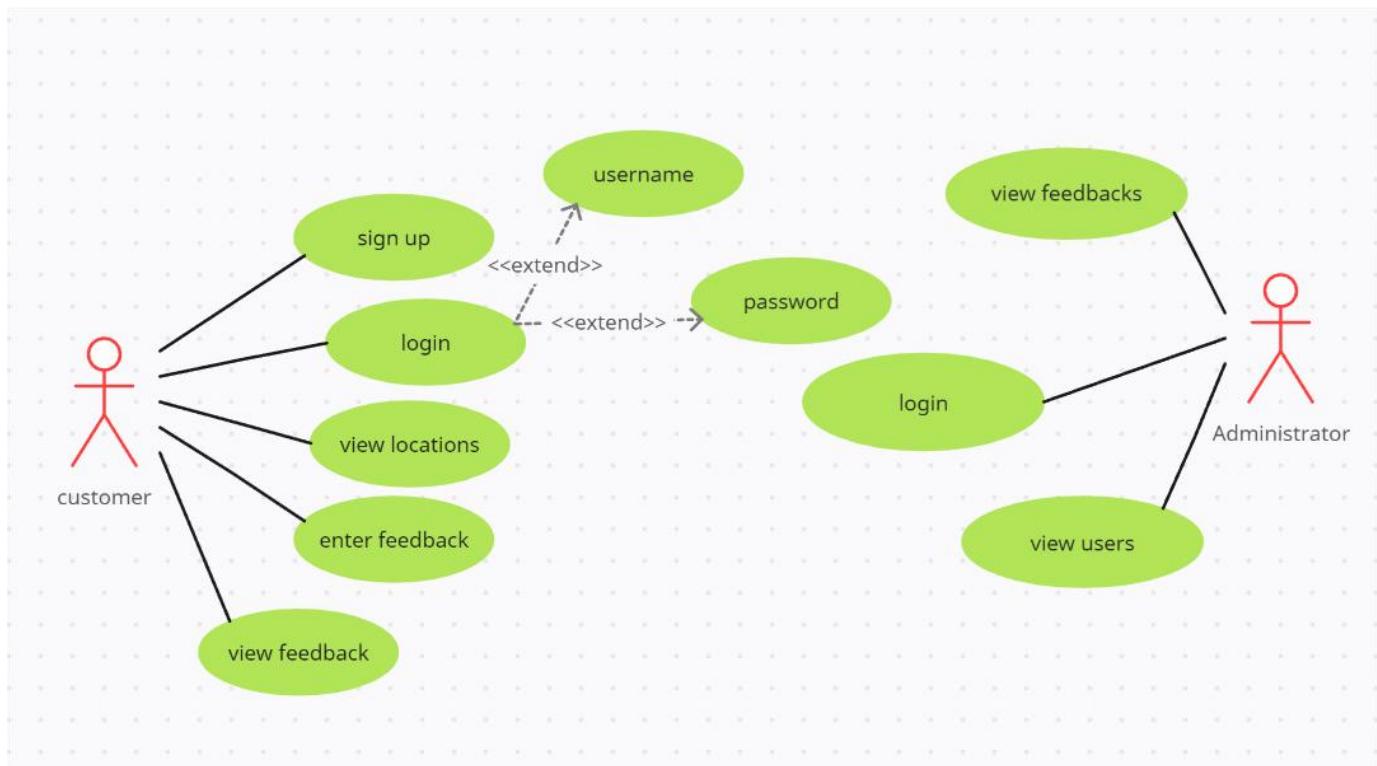


Figure 4.4

SOURCE CODE

App.py

```
import sqlite3
from flask import Flask, render_template, request, redirect, url_for, session
from werkzeug.security import generate_password_hash,
check_password_hash

app = Flask(__name__)
app.config['SECRET_KEY'] = 'your_secret_key'

def init_db():
    conn = sqlite3.connect('feedback.db')
    c = conn.cursor()
    c.execute("""
        CREATE TABLE IF NOT EXISTS user (
            id INTEGER PRIMARY KEY AUTOINCREMENT,
            username TEXT NOT NULL,
            password TEXT NOT NULL
        )
    """)
    c.execute("""
        CREATE TABLE IF NOT EXISTS feedback (
            id INTEGER PRIMARY KEY AUTOINCREMENT,
            user_id INTEGER,
            Tourism TEXT NOT NULL,
            rating INTEGER NOT NULL,
            comment TEXT NOT NULL,
            FOREIGN KEY (user_id) REFERENCES user (id)
        )
    """)
    conn.commit()
    conn.close()

init_db()
```

```

@app.route('/')
def index():
    return render_template('index.html')

@app.route('/login', methods=['GET', 'POST'])
def login():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        conn = sqlite3.connect('feedback.db')
        c = conn.cursor()
        c.execute('SELECT * FROM user WHERE username = ?', (username,))
        user = c.fetchone()
        conn.close()
        if user and check_password_hash(user[2], password):
            session['user_id'] = user[0]
            return redirect(url_for('Tourism'))
        else:
            return 'Invalid credentials'
    return render_template('login.html')

@app.route('/signup', methods=['GET', 'POST'])
def signup():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        hashed_password = generate_password_hash(password,
method='pbkdf2:sha256')
        conn = sqlite3.connect('feedback.db')
        c = conn.cursor()
        c.execute('INSERT INTO user (username, password) VALUES (?, ?)',
(username, hashed_password))
        conn.commit()
        conn.close()
        return redirect(url_for('login'))
    return render_template('signup.html')

```

`@app.route('/Tourism')`

```

def Tourism():
    return render_template('Tourism.html')

@app.route('/Tourism_a', methods=['GET', 'POST'])
def Tourism_a():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, 'Tourism A', rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:
            return redirect(url_for('login'))
    return render_template('Tourism_a.html')

@app.route('/Tourism_b', methods=['GET', 'POST'])
def Tourism_b():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, 'Tourism B', rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:

```

```

        return redirect(url_for('login'))
        return render_template(Tourism_b.html')

@app.route('/Tourism_c', methods=['GET', 'POST'])
def Tourism_c():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, Tourism C', rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:
            return redirect(url_for('login'))
    return render_template(Tourism_c.html')

@app.route('/Tourism_d', methods=['GET', 'POST'])
def Tourism_d():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, Tourism D', rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:

```

```

        return redirect(url_for('login'))
        return render_template(Tourism_d.html')

@app.route('/Tourism_e', methods=['GET', 'POST'])
def Tourism_e():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, Tourism E', rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:
            return redirect(url_for('login'))
    return render_template(Tourism_e.html')

@app.route('/Tourism_f', methods=['GET', 'POST'])
def Tourism_f():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, Tourism F', rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:

```

```

        return redirect(url_for('login'))
        return render_template(Tourism_f.html')

@app.route('/Tourism_g', methods=['GET', 'POST'])
def Tourism_g():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, Tourism G, rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:
            return redirect(url_for('login'))
    return render_template(Tourism_g.html)

@app.route('/Tourism_h', methods=['GET', 'POST'])
def Tourism_h():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, Tourism H, rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:

```

```

        return redirect(url_for('login'))
        return render_template(Tourism_h.html')

@app.route('/Tourism_i', methods=['GET', 'POST'])
def Tourism_i():
    if request.method == 'POST':
        rating = request.form['rating']
        comment = request.form['comment']
        user_id = session.get('user_id')
        if user_id:
            conn = sqlite3.connect('feedback.db')
            c = conn.cursor()
            c.execute('INSERT INTO feedback (user_id, Tourism, rating,
comment) VALUES (?, ?, ?, ?)',
                      (user_id, Tourism I, rating, comment))
            conn.commit()
            conn.close()
            return redirect(url_for('Tourism'))
        else:
            return redirect(url_for('login'))
    return render_template(Tourism_i.html)

if __name__ == '__main__':
    app.run(debug=True)

```

TEMPLATES

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title style="color: white;">TOURISM TRAVEL</title>
<style>
  body {
    background-image: url('https://images.pexels.com/photos/1285625/pexels-photo-1285625.jpeg?auto=compress&cs=tinysrgb&w=600');
    background-size: cover;
    background-position: center;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
    padding: 0;
    font-family: Arial, sans-serif;
    color: white;
  }
  h1 {
    text-align: center;
    margin-bottom: 20px;
  }
  .centered-links {
    text-align: center;
  }
  .centered-links a {
    margin: 0 10px;
  }
</style>
```

```
</head>
<body>
    <h1>Welcome To Tourism Portal </h1>
    <div class="centered-links">
        <h2><a href="{{ url_for('login') }}>Login</a></h2>
        <h3><a href="{{ url_for('signup') }}>Sign Up</a></h3>
    </div>
</body>
</html>
```

Layout.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>{% block title %}Restaurant Feedback{% endblock %}</title>
<style>
body {
    font-family: Arial, sans-serif;
    background-image: url('https://images.pexels.com/photos/333525/pexels-photo-333525.jpeg?auto=compress&cs=tinysrgb&w=600');
    background-size: cover;
    color: #333;
}
.container {
    width: 50%;
    margin: 0 auto;
    background: rgba(255, 255, 255, 0.8);
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
h2 {
    text-align: center;
}
form {
    display: flex;
    flex-direction: column;
}
```

```
label, input, textarea, button {  
    margin-bottom: 10px;  
}  
  
a {  
    color: #333;  
    text-decoration: none;  
}  
  
</style>  
</head>  
<body>  
    <div class="container">  
        {% block content %}{% endblock %}  
    </div>  
</body>  
</html>
```

Login.html

```
{% extends "layout.html" %}

{% block title %}Login{% endblock %}

{% block content %}

<div class="container mt-5">

    <h2 class="text-center mb-4">Login</h2>

    <form action="{{ url_for('login') }}" method="post" class="form-signin" id="login-form">

        <div class="form-group">

            <label for="username">Username:</label>

            <input type="text" id="username" name="username" class="form-control" required>

        </div>

        <div class="form-group">

            <label for="password">Password:</label>

            <input type="password" id="password" name="password" class="form-control" required>

        </div>

        <button type="submit" class="btn btn-primary btn-block">Login</button>

    </form>

    <p class="text-center mt-3">Don't have an account? <a href="{{ url_for('signup') }}" style="color: blue;">Sign up</a></p>

</div>

{% endblock %}

<style>

#login-form {

    animation: fade-in 1s;

}

@keyframes fade-in {

    from {
```

```
    opacity: 0;  
    transform: translateY(-50px);  
}  
  
to {  
    opacity: 1;  
    transform: translateY(0);  
}  
}  
  
</style>
```

Tourism_a.html

```
{% extends "layout.html" %}

{% block title %}Restaurant A{% endblock %}

{% block content %}

<h2>DUBAI</h2>

<style>

    .custom-image {

        margin: 75px; /* Adjust margin as per your preference */

    }

</style>



<br>

<style>

    .custom-image {

        margin: 75px; /* Adjust margin as per your preference */

    }

</style>



<p>Cuisine: Emirati </p>

<p>Location: United Arab Emirates</p>

<p>Description: Dubai, city and capital of the emirate of Dubai, one of the wealthiest of the seven emirates that constitute the federation of the United Arab Emirates, which was created in 1971 following independence from Great Britain. There are several theories about the origin of the name Dubai. One associates it with the daba—a type of locust that infests the area—while another holds that it refers to a market that existed near the city. In recent years Dubai has been compared to Singapore and Hong Kong</p>
```

and is often regarded as the Middle East's premier entrepôt. Area 13.5 square miles (35 square km). Pop. (2017 est.) 2,919,178. </p>

<p>famous attractions-

Dubai, known for its futuristic skyline, luxurious lifestyle, and world-class attractions, offers a plethora of famous attractions. Here are some of the most notable ones:

1. Burj Khalifa: The tallest building in the world, offering breathtaking views of the city from its observation decks.

2. The Dubai Mall: One of the largest shopping malls globally, featuring over 1,200 shops, an indoor aquarium, an ice-skating rink, and numerous dining options.

3. Palm Jumeirah: An iconic man-made island shaped like a palm tree, home to luxury hotels, resorts, and upscale residences.

4. Burj Al Arab: A distinctive sail-shaped hotel and one of the most luxurious hotels in the world, known for its opulence and unparalleled service.

5. The Dubai Fountain: Located at the base of the Burj Khalifa, it is the world's largest choreographed fountain system, offering mesmerizing water shows set to music and lights.

6. Dubai Marina: A vibrant waterfront district lined with skyscrapers, offering a range of dining, shopping, and entertainment options, as well as scenic boat cruises.

7. The Dubai Desert: Explore the vast Arabian Desert through desert safaris, dune bashing, camel rides, and traditional Bedouin-style camps.

8. Ski Dubai: Located inside the Mall of the Emirates, it is the Middle East's first indoor ski resort, featuring slopes, chairlifts, and snow activities for all ages.

9. Dubai Creek and Abra Ride: Experience the city's heritage by taking an abra (traditional wooden boat) ride along the historic Dubai Creek, offering views of old and new Dubai.

10. Dubai Frame: A modern architectural landmark offering panoramic views of the city skyline from a 150-meter-high observation deck, with a museum showcasing Dubai's past, present, and future.

These are just a few highlights of the many attractions Dubai has to offer, catering to tourists of all interests and ages. </p>

<h2>Comments</h2>

{% for comment in comments %}

{{ comment.text }}

{% endfor %}

<h2>Submit Feedback for This country</h2>

<form action="{{ url_for('restaurant_a') }}" method="post">

<label for="rating">Rating (1-5):</label>

<input type="number" id="rating" name="rating" min="1" max="5" required>

<label for="comment">Comment:</label>

<textarea id="comment" name="comment" required></textarea>

<button type="submit">Submit</button>

</form>

<h2>Comments</h2>

{% for comment in comments %}

{{ comment.text }}

{% endfor %}

{% endblock %}

Tourism_b.html

```
{% extends "layout.html" %}

{% block title %}Restaurant B{% endblock %}

{% block content %}

<h2>ENGLAND</h2>

<style>

    .custom-image {

        margin: 75px; /* Adjust margin as per your preference */

    }

</style>



<br>

<style>

    .custom-image {

        margin: 75px; /* Adjust margin as per your preference */

    }

</style>



<p>Cuisine:British</p>

<p>Location: bordered to the north by Scotland and to the west by Wales</p>

<p>Description:England, predominant constituent unit of the United Kingdom, occupying more than half of the island of Great Britain.
```

England

Outside the British Isles, England is often erroneously considered synonymous with the island of Great Britain (England, Scotland, and Wales) and even with the entire United Kingdom. Despite the political, economic, and cultural legacy that has secured the perpetuation of its name, England no longer officially exists as a governmental or political unit—unlike Scotland, Wales, and Northern Ireland, which all have varying degrees of self-government in domestic affairs. It is rare for institutions to operate for England alone. Notable exceptions are the Church of England (Wales, Scotland, and Ireland, including Northern Ireland, have separate branches of the Anglican Communion) and sports associations for cricket, rugby, and football (soccer). In many ways England has seemingly been absorbed within the larger mass of Great Britain since the Act of Union of 1707.</p>

<p>Famous attractions-

England boasts a rich tapestry of history, culture, and natural beauty, with famous attractions scattered across the country. Here are some of the most renowned ones:

1. Tower of London: A historic castle located on the north bank of the River Thames, known for its role in English history and housing the Crown Jewels.

2. Buckingham Palace: The official residence of the British monarch in London, famous for the Changing of the Guard ceremony and its grand architecture.

3. Big Ben and the Houses of Parliament: Iconic symbols of London, featuring the famous clock tower and the seat of the UK government.

4. Stonehenge: A prehistoric monument located in Wiltshire, consisting of a ring of standing stones, shrouded in mystery and archaeological intrigue.

5. The British Museum: One of the world's largest and most comprehensive museums, housing a vast collection of art, artifacts, and cultural treasures from around the globe.

6. Windsor Castle: The oldest and largest inhabited castle in the world, serving as an official residence of the Queen and a popular tourist attraction.

7. The Lake District: A picturesque region in northwest England, renowned for its stunning landscapes, serene lakes, and charming villages, perfect for outdoor activities such as hiking and boating.

8. York Minster: One of the largest Gothic cathedrals in Europe, located in the historic city of York, known for its magnificent architecture and medieval stained glass windows.

9. Stratford-upon-Avon: The birthplace of William Shakespeare and home to various sites associated with the renowned playwright, including his birthplace, Anne Hathaway's Cottage, and the Royal Shakespeare Theatre.

10. The Roman Baths: Located in the city of Bath, these ancient Roman thermal baths are a UNESCO World Heritage Site and offer a fascinating glimpse into Roman Britain's history and culture.

These are just a few examples of England's many famous attractions, each offering a unique insight into the country's heritage, creativity, and natural beauty.

</p>

<h2>Submit Feedback</h2>

<form action="{{ url_for('restaurant_b') }}" method="post">

<label for="rating">Rating (1-5):</label>

<input type="number" id="rating" name="rating" min="1" max="5" required>

<label for="comment">Comment:</label>

<textarea id="comment" name="comment" required></textarea>

<button type="submit">Submit</button>

</form>

{% endblock %}

Tourism_c.html

```
{% extends "layout.html" %}

{% block title %}Restaurant C{% endblock %}

{% block content %}

<h2>BRAZIL</h2>

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```
<p>Cuisine: BRAZILIAN</p>
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<p>Location: Brazil, country of South America t</p>
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```
<p>Description:The Brazilian landscape is very varied. It is most well known for its dense forests, including the Amazon, the world's largest jungle, in the north. But there are also dry grasslands (called pampas), rugged hills, pine forests, sprawling wetlands, immense plateaus, and a long coastal plain.</p>
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```
<p>Certainly! Here are some famous attractions of Brazil:
```


1. Christ the Redeemer (Cristo Redentor): This iconic statue of Jesus Christ stands atop the Corcovado Mountain in Rio de Janeiro, offering panoramic views of the city and the surrounding landscape.

2. Iguazu Falls (Cataratas do Iguaçu): Located on the border between Brazil and Argentina, Iguazu Falls is one of the most stunning waterfalls in the world, consisting of a series of massive cascades surrounded by lush rainforest.

3. Copacabana Beach: One of the most famous beaches in the world, Copacabana Beach stretches for 4 kilometers along the coast of Rio de Janeiro, offering golden sands, vibrant street life, and a backdrop of skyscrapers.

4. Sugarloaf Mountain (Pão de Açúcar): A granite peak rising 396 meters above the harbor of Rio de Janeiro, Sugarloaf Mountain is accessible by cable car and provides breathtaking views of the city, beaches, and surrounding mountains.

5. Amazon Rainforest: Covering more than 60% of Brazil's territory, the Amazon Rainforest is the largest tropical rainforest in the world and home to an incredible diversity of plant and animal species, as well as indigenous communities.

6. Fernando de Noronha: A remote archipelago off the northeastern coast of Brazil, Fernando de Noronha is known for its pristine beaches, crystal-clear waters, and abundant marine life, making it a popular destination for diving and snorkeling.

7. Salvador da Bahia: This vibrant city in northeastern Brazil is known for its rich Afro-Brazilian culture, historic colonial architecture, and lively music and dance scene, particularly during the annual Carnival celebration.

</p>

<h2>Submit Feedback</h2>

```
<form action="{{ url_for('restaurant_c') }}" method="post">
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Tourism_d.html

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{% block title %}Restaurant D{% endblock %}

{% block content %}

<h2>INDIA</h2>

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<p>Cuisine:INDIAN </p>

<p>Location: India is situated north of the equator between 8°4' north (the mainland) to 37°6' north latitude and 68°7' east to 97°25' east longitude. It is the seventh-largest country in the world, with a total area of 3,287,263 square kilometres (1,269,219 sq mi).</p>

<p>Description:India has a unique culture and is one of the oldest and greatest civilizations of the world. India has achieved all-round socio-economic progress since its Independence. India covers an area of 32,87,263 sq. km, extending from the snow-covered Himalayan heights to the tropical rain forests of the south.</p>

<br>

<p>Famous Attractions-</p>
```

Taj Mahal: Located in Agra, Uttar Pradesh, the Taj Mahal is one of the most iconic landmarks in the world. This UNESCO World Heritage Site is a stunning mausoleum built by Mughal Emperor Shah Jahan in memory of his beloved wife Mumtaz Mahal.

Jaipur: Known as the Pink City, Jaipur is the capital of Rajasthan and is famous for its historic palaces, forts, and vibrant bazaars. Major attractions include the Hawa Mahal, City Palace, Amer Fort, and Jantar Mantar.

Varanasi: Situated on the banks of the Ganges River, Varanasi is one of the oldest continuously inhabited cities in the world and is considered the spiritual capital of India. Visitors come to experience the ghats (riverfront steps) and witness the rituals and ceremonies along the river.

Kerala Backwaters: The backwaters of Kerala offer a unique and tranquil experience as you cruise through a network of canals, lagoons, and lakes surrounded by lush greenery and traditional villages. Alleppey and Kumarakom are popular starting points for backwater cruises.

Goa: Known for its beautiful beaches, vibrant nightlife, and Portuguese colonial architecture, Goa is a popular destination for both domestic and international tourists. Beyond the beaches, visitors can explore spice plantations, historic churches, and bustling markets.

</p>

<h2>Submit Feedback</h2>

<form action="{{ url_for('restaurant_d') }}" method="post">

 <label for="rating">Rating (1-5):</label>

 <input type="number" id="rating" name="rating" min="1" max="5" required>

 <label for="comment">Comment:</label>

 <textarea id="comment" name="comment" required></textarea>

 <button type="submit">Submit</button>

</form>

{% endblock %}

Tourism_e.html

```
{% extends "layout.html" %}

{% block title %}Restaurant E{% endblock %}

{% block content %}

<h2>USA</h2>

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<p>Cuisine:AMERICAN </p>
<p>Location:North america</p>
<p>Description:The United States of America is the world's third largest country in size and nearly the third largest in terms of population. Located in North America, the country is bordered on the west by the Pacific Ocean and to the east by the Atlantic Ocean. Along the northern border is Canada and the southern border is Mexico. </p>
<br>
<p>Famous Attractions-
    <br>
    Grand Canyon: Located in Arizona, the Grand Canyon is one of the world's most famous natural wonders. Carved by the Colorado River, the canyon offers breathtaking views, hiking trails, and scenic overlooks.
    <br>
    Statue of Liberty: Situated on Liberty Island in New York Harbor, the Statue of Liberty is a symbol of freedom and democracy. Visitors can take a ferry to the island and explore the statue and museum.
    <br>
    Yellowstone National Park: Located primarily in Wyoming, Yellowstone is America's first national park and is known for its geothermal features, including geysers, hot springs, and mud pots. It's also home to diverse wildlife such as bison, bears, and wolves.
    <br>
    Times Square: A bustling commercial and entertainment hub in the heart of Manhattan, New York City, Times Square is famous for its bright lights, Broadway theaters, and iconic billboards.</p>
    <br>
    <h2>Submit Feedback</h2>
    <form action="{{ url_for('restaurant_e') }}" method="post">
        <label for="rating">Rating (1-5):</label>
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<input type="number" id="rating" name="rating" min="1" max="5" required><br>
<label for="comment">Comment:</label>
<textarea id="comment" name="comment" required></textarea><br>
<button type="submit">Submit</button>
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{% endblock %}
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Tourism_f.html

```
{% extends "layout.html" %}

{% block title %}Restaurant F{% endblock %}

{% block content %}

<h2>BALI</h2>

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Cuisine: Balinese food



Location: Island in Indonesia



Description: In English



Tourism



Physical



SafeSearch



Most of Bali is mountainous (essentially an extension of the central mountain chain in Java), the highest point being Mount Agung, or Bali Peak, 10,308 feet (3,142 metres) in height and known locally as the “navel of the world.” It proved to be an active volcano, erupting in 1963 (after a dormancy of 120 years)



<p>Tourist Attractions-<br>



Bali, Indonesia, is renowned for its stunning natural beauty, rich cultural heritage, and vibrant atmosphere. Here are some of the top tourist attractions in Bali:



<br>



Tanah Lot Temple: One of Bali's most iconic landmarks, Tanah Lot is a Hindu temple perched on a rocky outcrop along the southwest coast. It offers breathtaking sunset views and is surrounded by the crashing waves of the Indian Ocean.



<br>



Ubud: Known as the cultural heart of Bali, Ubud is a charming town surrounded by lush rice paddies and jungle. Visitors can explore art galleries, traditional craft markets, and the Ubud Monkey Forest, as well as attend traditional dance performances.



<br>



Tegallalang Rice Terraces: Located just north of Ubud, the Tegallalang Rice Terraces are famous for their stunning beauty and traditional Balinese farming practices. Visitors can stroll through the terraced fields, take photos, and enjoy panoramic views of the countryside.


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<br>
Uluwatu Temple: Perched on a cliff overlooking the Indian Ocean, Uluwatu Temple is another
spectacular sea temple known for its stunning sunset views and traditional Kecak dance performances.

<br>
</p>

<h2>Submit Feedback</h2>

<form action="{{ url_for('restaurant_f') }}" method="post">
    <label for="rating">Rating (1-5):</label>
    <input type="number" id="rating" name="rating" min="1" max="5" required><br>
    <label for="comment">Comment:</label>
    <textarea id="comment" name="comment" required></textarea><br>
    <button type="submit">Submit</button>
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{% endblock %}
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Tourism_g.html

```
{% extends "layout.html" %}

{% block title %}Restaurant G{% endblock %}

{% block content %}

<h2>RUSSIA</h2>

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<p>Cuisine:RUSSIAN </p>

<p>Location:Russia is bounded to the north and east by the Arctic and Pacific oceans</p>

<p>Description:Russia is a federation of 86 republics, provinces, territories, and districts, all controlled by the government in Moscow. The head of state is a president elected by the people. The economy is based on a vast supply of natural resources, including oil, coal, iron ore, gold, and aluminum. </p>

<p>Famous Attractions-

Russia is a vast and diverse country with a rich history, stunning natural landscapes, and vibrant cultural attractions. Here are some of the top tourist attractions in Russia:

Red Square and the Kremlin (Moscow): Red Square, with its iconic landmarks such as St. Basil's Cathedral and Lenin's Mausoleum, is the heart of Moscow. The Kremlin, a fortified complex, houses cathedrals, palaces, and museums, including the Armory Museum and the Diamond Fund Exhibition.

Hermitage Museum (St. Petersburg): One of the world's largest and most prestigious art museums, the Hermitage boasts a vast collection of artworks, including pieces by Rembrandt, Leonardo da Vinci, and Michelangelo. The museum is housed in the magnificent Winter Palace.

Saint Basil's Cathedral (Moscow): This colorful and intricately designed cathedral is an iconic symbol of Russia. Its unique architecture, featuring colorful onion domes and intricate patterns, makes it a must-see attraction in Moscow.

Peterhof Palace (St. Petersburg): Often referred to as the "Russian Versailles," Peterhof Palace is a grand imperial residence known for its stunning gardens, intricate fountains, and opulent interiors. The palace complex includes the Grand Palace, several smaller palaces, and beautiful landscaped gardens.

</p>

<h2>Submit Feedback</h2>

<form action="{{ url_for('restaurant_g') }}" method="post">

<label for="rating">Rating (1-5):</label>

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<input type="number" id="rating" name="rating" min="1" max="5" required><br>
<label for="comment">Comment:</label>
<textarea id="comment" name="comment" required></textarea><br>
<button type="submit">Submit</button>
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{%
    % endblock %}
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Tourism_h.html

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{% extends "layout.html" %}

{% block title %}Restaurant H{% endblock %}

{% block content %}

<h2>FRANCE</h2>

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Cuisine:french



Location:western europe



Description:France, the largest country in Western Europe, has long been a gateway between the continent's northern and southern regions. Its lengthy borders touch Germany and Belgium in the north; the Atlantic Ocean in the west; the Pyrenees Mountains and Spain in the south.


Famous Attractions-


France is renowned for its rich history, stunning architecture, vibrant culture, and breathtaking landscapes. Here are some of the top tourist attractions in France:


Eiffel Tower (Paris): One of the most iconic landmarks in the world, the Eiffel Tower offers panoramic views of Paris from its observation decks. Visitors can also dine in its restaurants or take guided tours to learn about its history and construction.


Louvre Museum (Paris): The Louvre is one of the largest and most famous art museums in the world, housing thousands of works of art, including the Mona Lisa, the Venus de Milo, and the Winged Victory of Samothrace.


Versailles Palace (Versailles): This opulent palace, once the residence of French kings, is famous for its Hall of Mirrors, magnificent gardens, and lavish apartments. Visitors can explore the palace and grounds, including the Grand Trianon and the Petit Trianon.


```

Mont Saint-Michel (Normandy): Perched on a rocky island off the coast of Normandy, Mont Saint-Michel is a medieval abbey surrounded by narrow streets, historic buildings, and stunning views of the surrounding bay.

</p>

<h2>Submit Feedback</h2>

<form action="{{ url_for('restaurant_h') }}" method="post">

<label for="rating">Rating (1-5):</label>

<input type="number" id="rating" name="rating" min="1" max="5" required>

<label for="comment">Comment:</label>

<textarea id="comment" name="comment" required></textarea>

<button type="submit">Submit</button>

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{% endblock %}

Tourism_I.html

```
{% extends "layout.html" %}

{% block title %}Restaurant I{% endblock %}

{% block content %}

<h2>GERMANY</h2>

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</style>  
<p>Cuisine:GERMAN</p>  
<p>Location:central Europe </p>  
<p>Description:Germany's central and southern regions have forested hills and mountains cut through by the Danube, Main, and Rhine river valleys. In the north, the landscape flattens out to a wide plain that stretches to the North Sea. Between these extremes, Germany is a country of incredible variety.</p>  
<br>  
<p>Famous Attractions-<br>  
Germany is a country rich in history, culture, and natural beauty, offering a wide range of attractions for visitors to explore. Here are some of the famous attractions of Germany:  
<br>  
Brandenburg Gate (Berlin): An iconic symbol of Berlin and German unity, the Brandenburg Gate is a neoclassical monument that once marked the entrance to the city. It is now a popular tourist attraction and a symbol of peace and unity.  
<br>  
Neuschwanstein Castle (Bavaria): Perched atop a rugged hill in the Bavarian Alps, Neuschwanstein Castle is a fairytale-like palace that inspired Disney's Sleeping Beauty Castle. It is one of the most visited castles in Europe, known for its stunning architecture and picturesque surroundings.  
<br>  
Cologne Cathedral (Cologne): A masterpiece of Gothic architecture, Cologne Cathedral is one of the largest cathedrals in Europe and a UNESCO World Heritage Site. Visitors can climb to the top of the cathedral for panoramic views of the city and the Rhine River.  
<br>  
Berlin Wall and East Side Gallery (Berlin): The remnants of the Berlin Wall serve as a powerful reminder of Germany's divided past. The East Side Gallery, a section of the wall covered in colorful murals, has become a symbol of hope and freedom.  
</p>  
<h2>Submit Feedback</h2>
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```
<form action="{{ url_for('restaurant_i') }}" method="post">
    <label for="rating">Rating (1-5):</label>
    <input type="number" id="rating" name="rating" min="1" max="5" required><br>
    <label for="comment">Comment:</label>
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    <button type="submit">Submit</button>
</form>
{%
    % endblock %}
```

Tourism.html

```
{% extends "layout.html" %}

{% block title %}Restaurants{% endblock %}

{% block content %}

<div class="container mt-5">

    <h2 class="text-center mb-4">PLACES TO VISIT</h2>

    <div class="row">

        <div class="col-md-4">

            <a class="restaurant-link" href="{{ url_for('restaurant_a') }}">

                    <h5 class="mt-2">Dubai</h5>

                </a>

            </div>

        <div class="col-md-4">

            <a class="restaurant-link" href="{{ url_for('restaurant_b') }}">

                    <h5 class="mt-2">England</h5>

                </a>

            </div>

        <div class="col-md-4">

            <a class="restaurant-link" href="{{ url_for('restaurant_c') }}">

                    <h5 class="mt-2">Brazil</h5>

                </a>

            </div>

        </div>

    </div>

</div>
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</a>
</div>
</div>
<div class="row mt-4">
<div class="col-md-4">
<a class="restaurant-link" href="{{ url_for('restaurant_d') }}">

<h5 class="mt-2">India</h5>
</a>
</div>
<div class="col-md-4">
<a class="restaurant-link" href="{{ url_for('restaurant_e') }}">

<h5 class="mt-2">France</h5>
</a>
</div>
<div class="col-md-4">
<a class="restaurant-link" href="{{ url_for('restaurant_i') }}">

<h5 class="mt-2">Germany</h5>
</a>

```

```
</div>  
</div>  
</div>  
{% endblock %}
```

Signup.html

```
{% extends "layout.html" %}

{% block title %}Sign Up{% endblock %}

{% block content %}

<h2>Sign Up</h2>

<form action="{{ url_for('signup') }}" method="post">

    <label for="username">Username:</label>

    <input type="text" id="username" name="username" required><br>

    <label for="password">Password:</label>

    <input type="password" id="password" name="password" required><br>

    <button type="submit">Sign Up</button>

</form>

<p>Already have an account? <a href="{{ url_for('login') }}" style="color: blue;">Login</a></p>

{% endblock %}
```

TESTING AND VALIDATIONS

USER SIGNUP

Seri al No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If the Username is empty	username	Please fill out this field	SUCCESSFUL
2.	If password is empty	Password	Please fill out this field	SUCCESSFUL
3.	If username,password are incorrect	Username and password	Invalid credentials	SUCCESSFUL

Figure 7.1

USER LOGIN

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If the Username is empty	username	Please fill out this field	SUCCESSFUL
2.	If the password is empty	Password	Please fill out this field	SUCCESSFUL
3.	If the entered Username and password is not valid	username, Password	Invalid Username or password	SUCCESSFUL

Figure 7.2

INPUT AND OUTPUT SCREEN

(MAIN SCREEN)

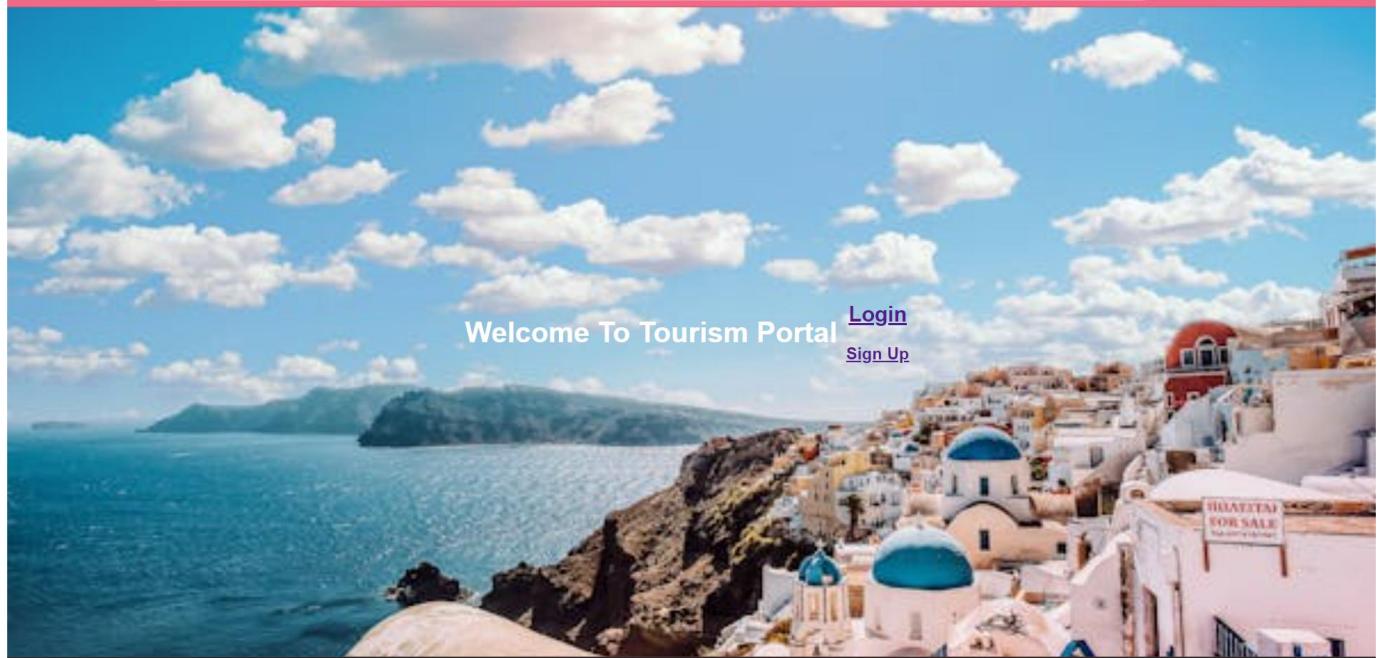


Figure 9.1

(LOGIN PAGE)

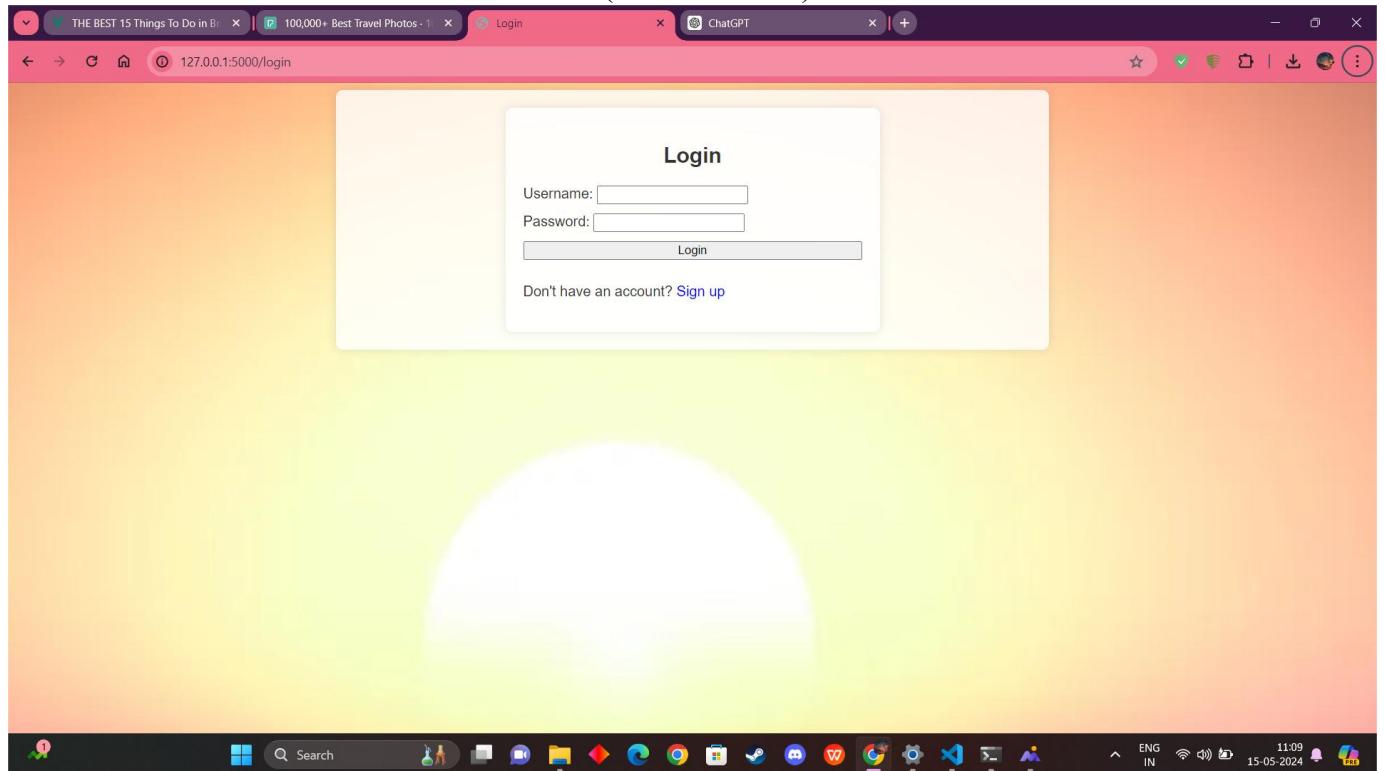


Figure 9.3

(DASHBOARD)

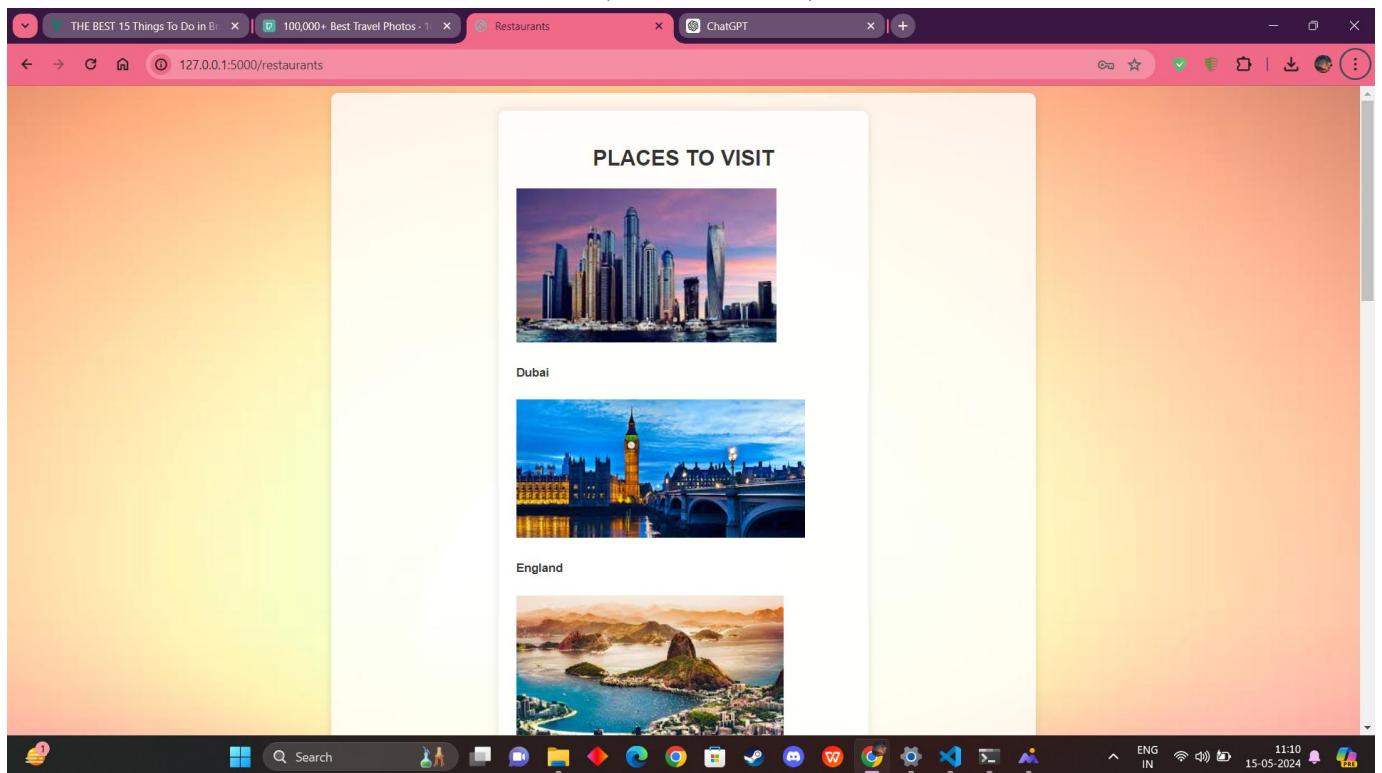


Figure 9.2

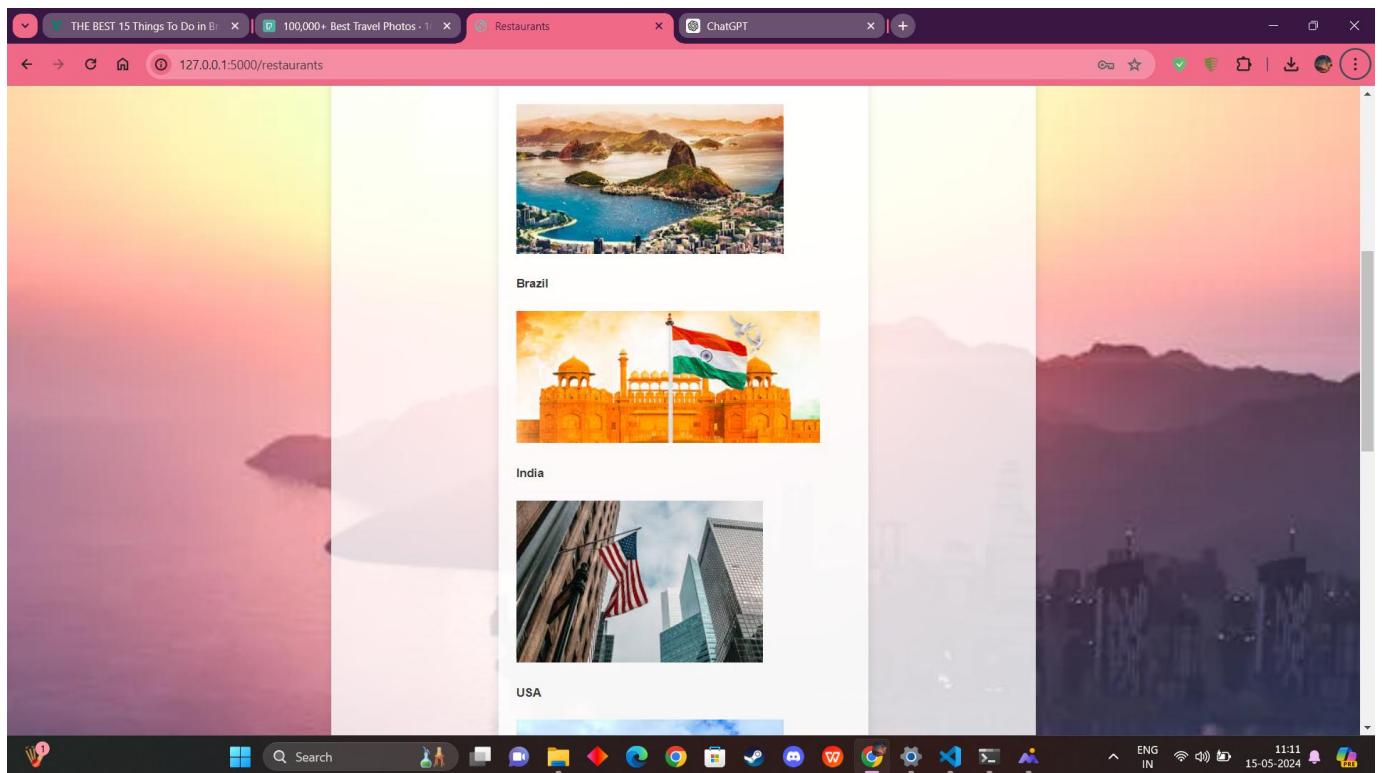


Figure 9.4

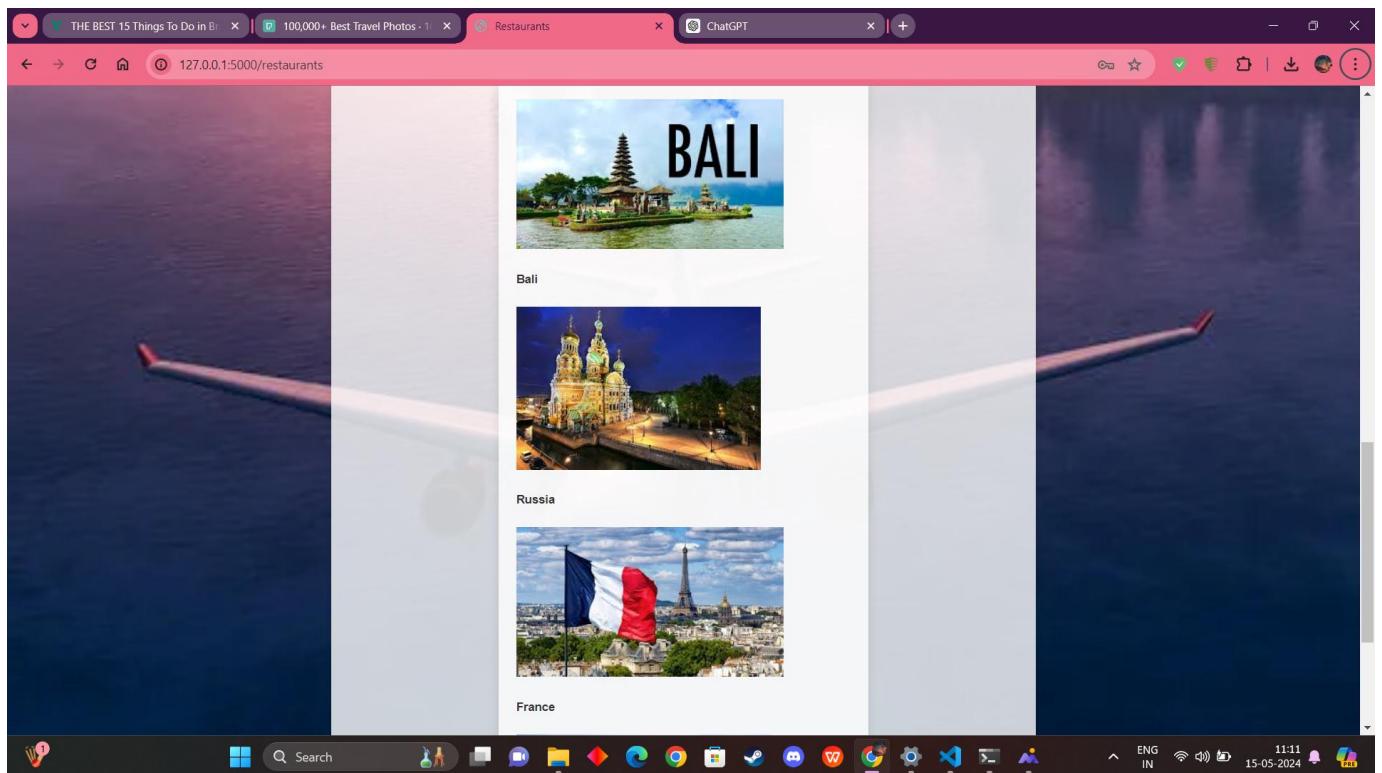


Figure 9.5

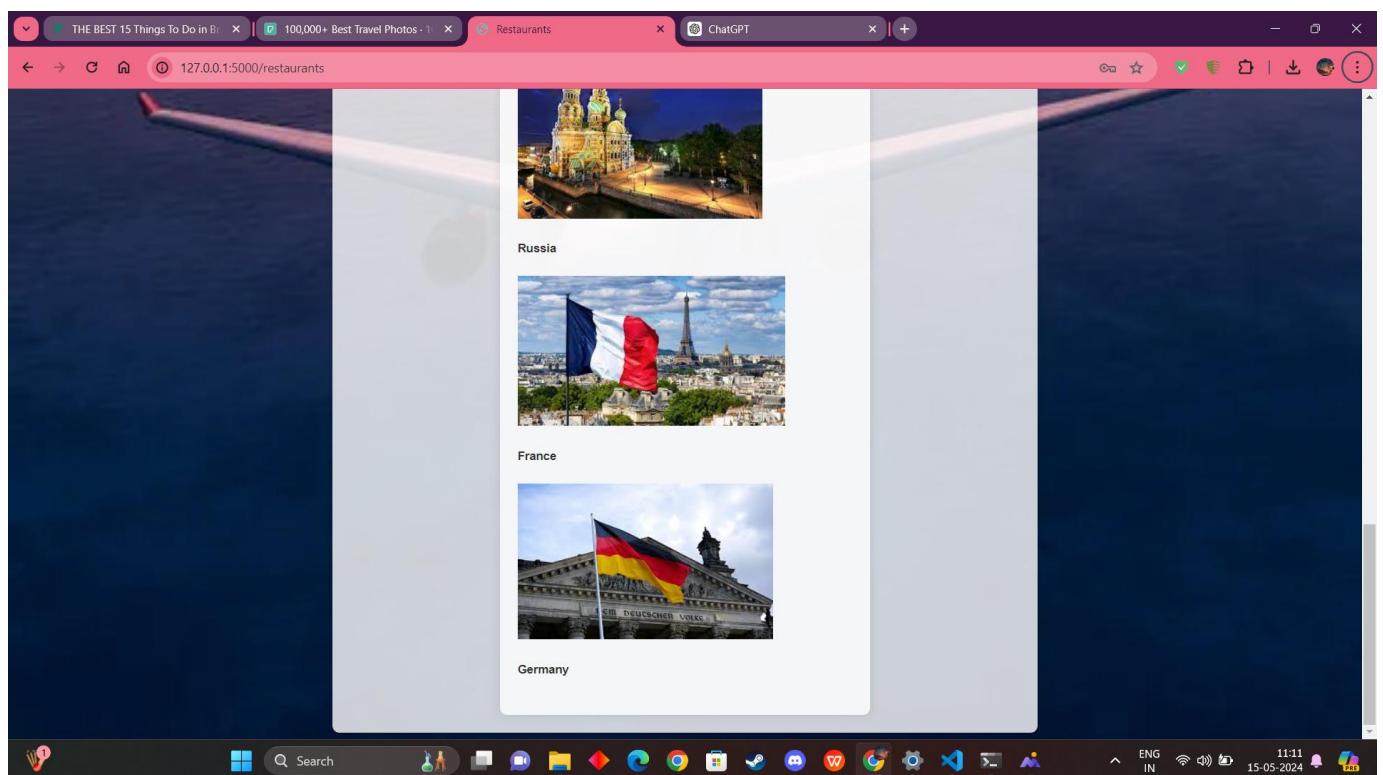


Figure 9.6

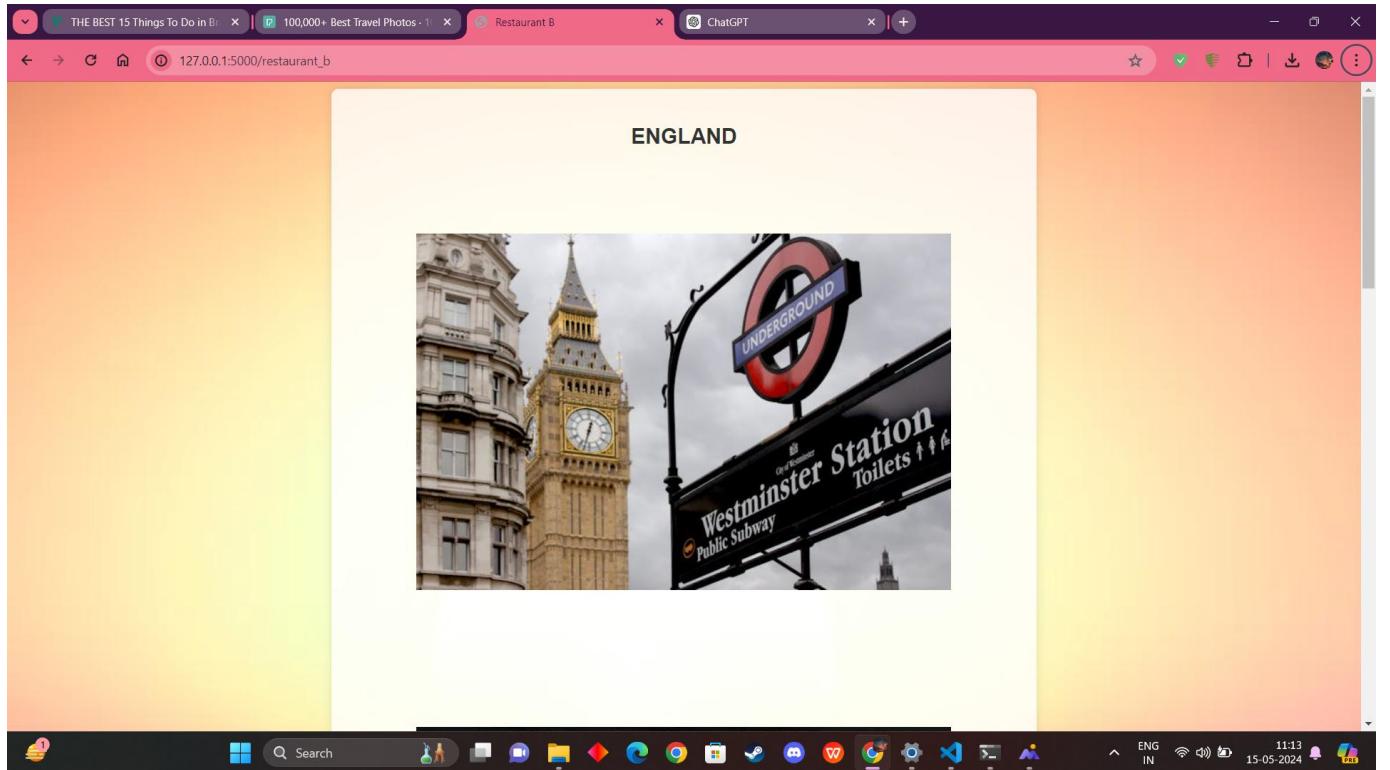


Figure 9.7

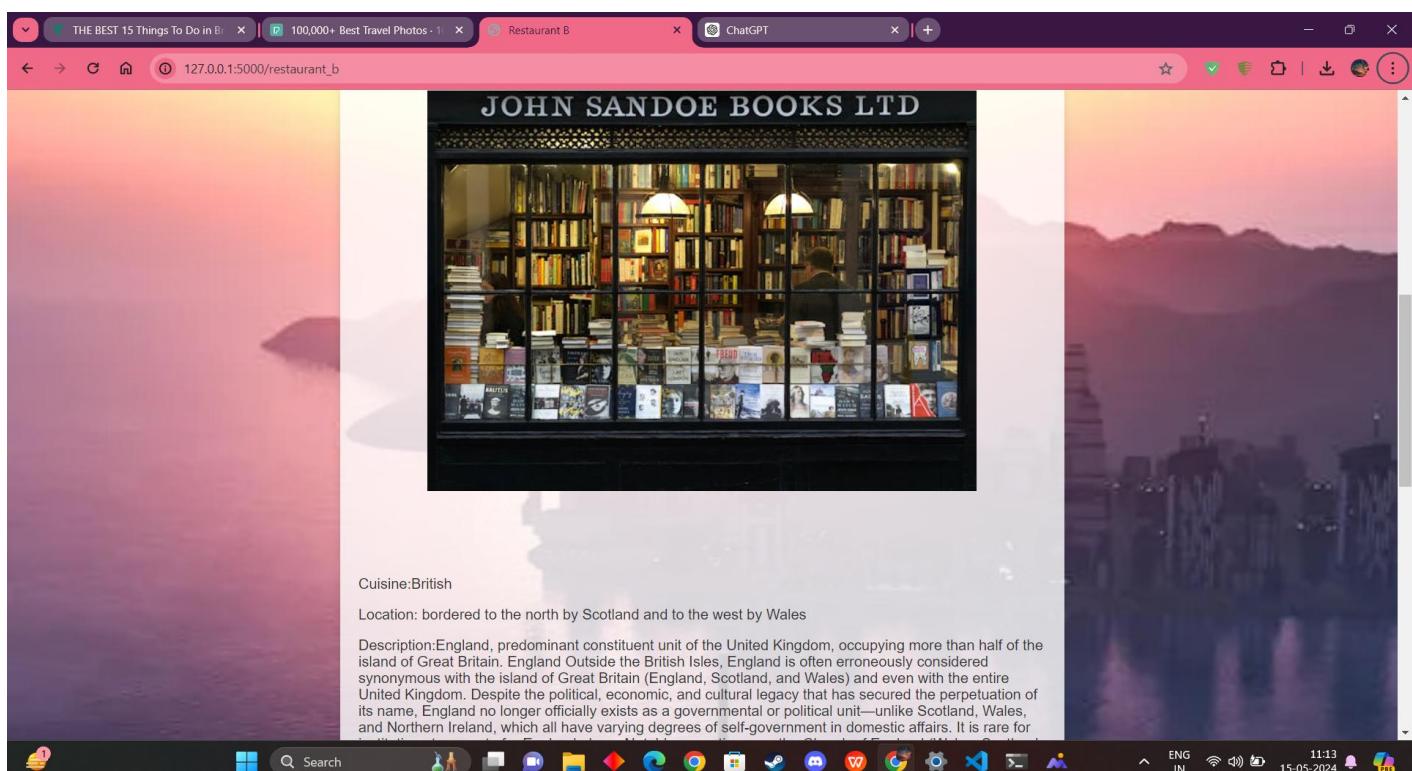


Figure 9.8

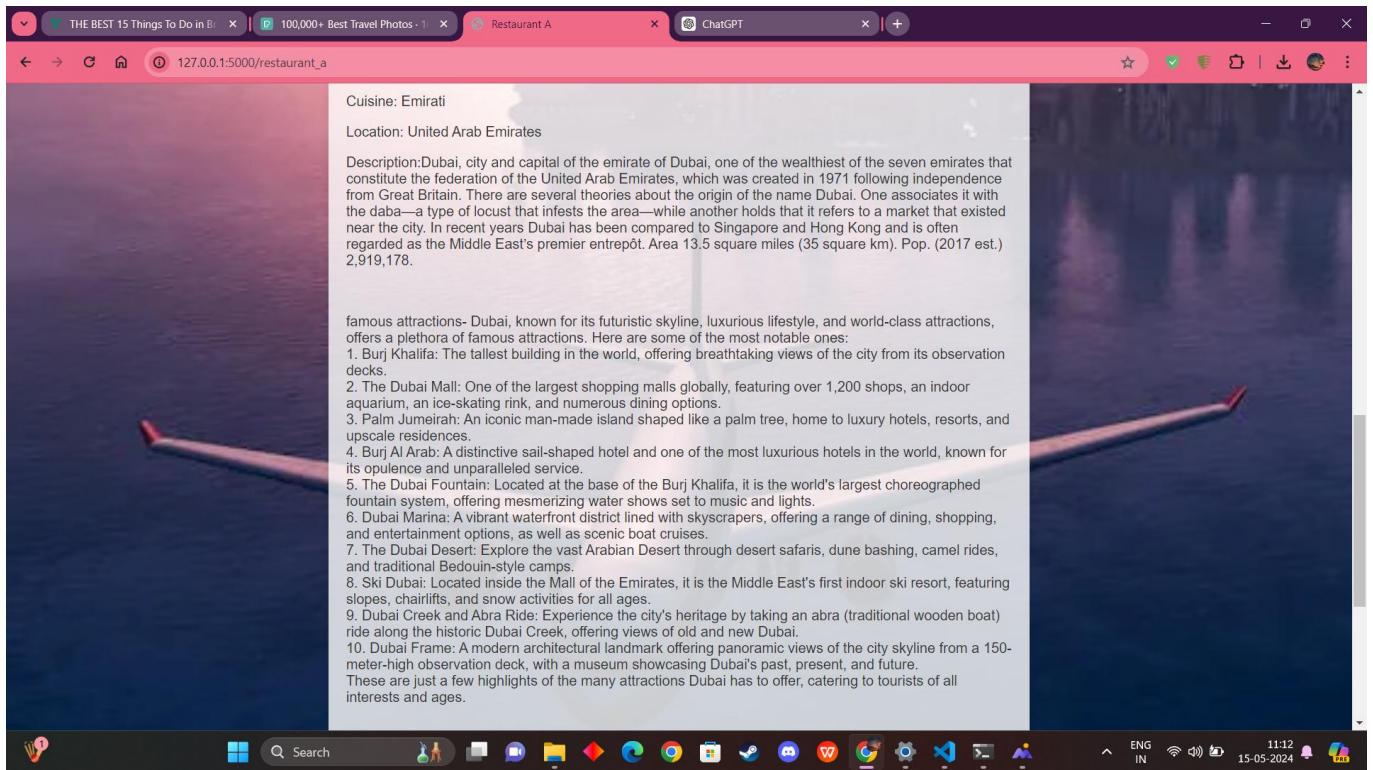


Figure 9.9

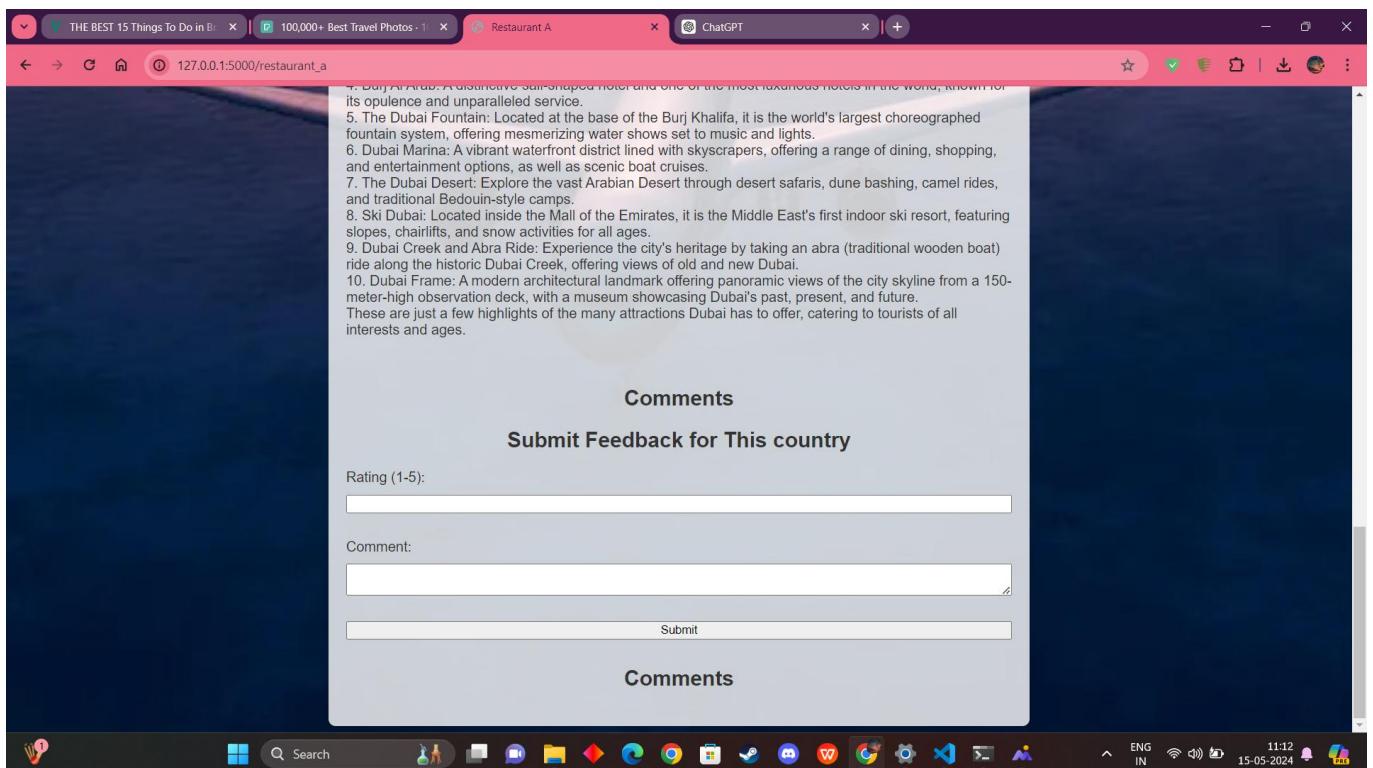


Figure 9.11

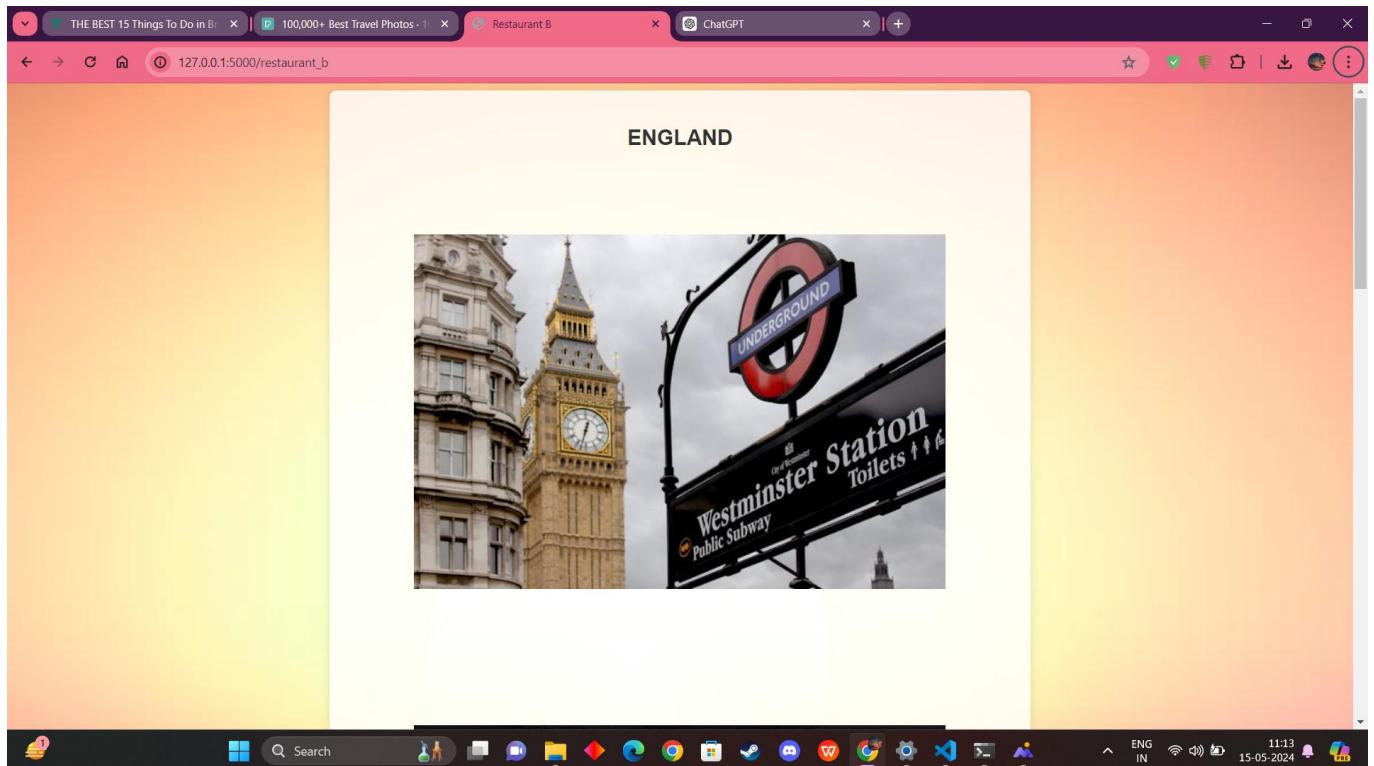


Figure 9.10

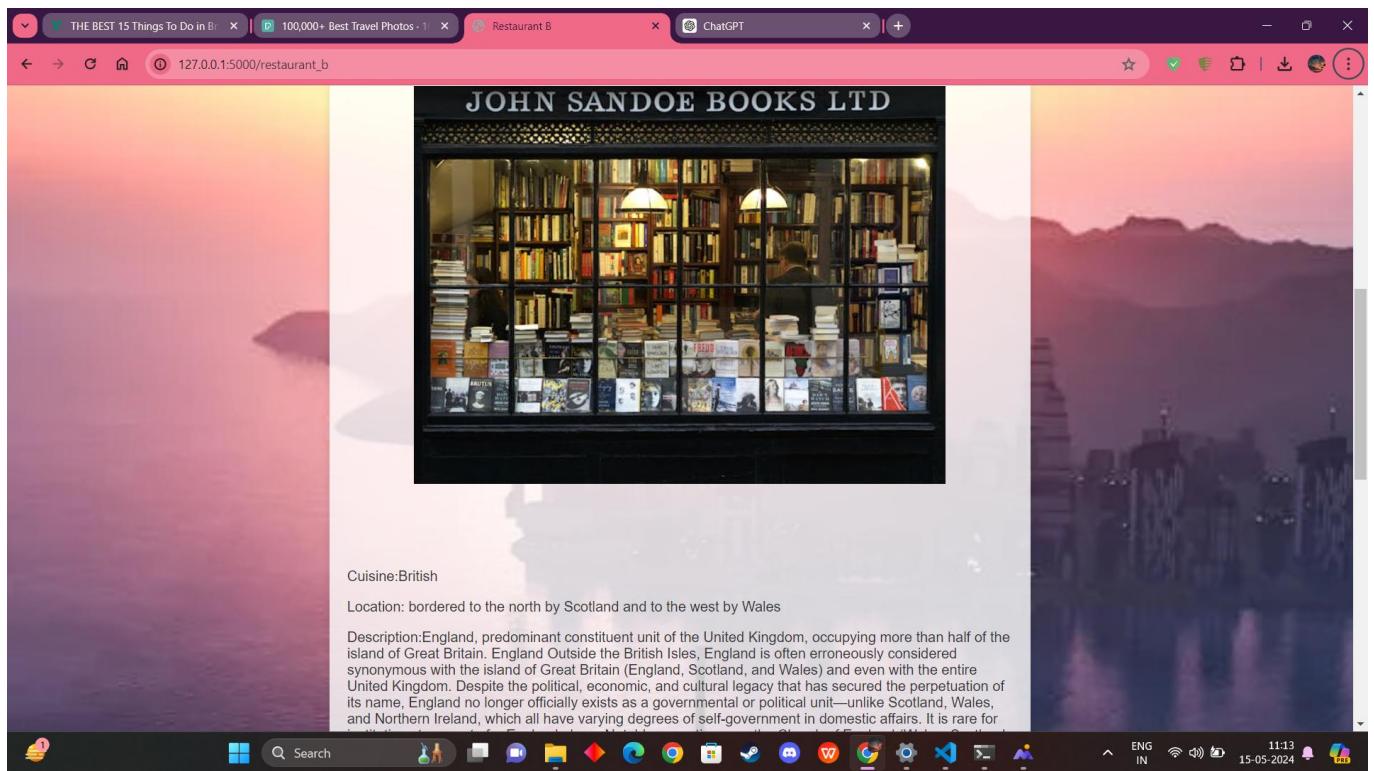


Figure 9.12

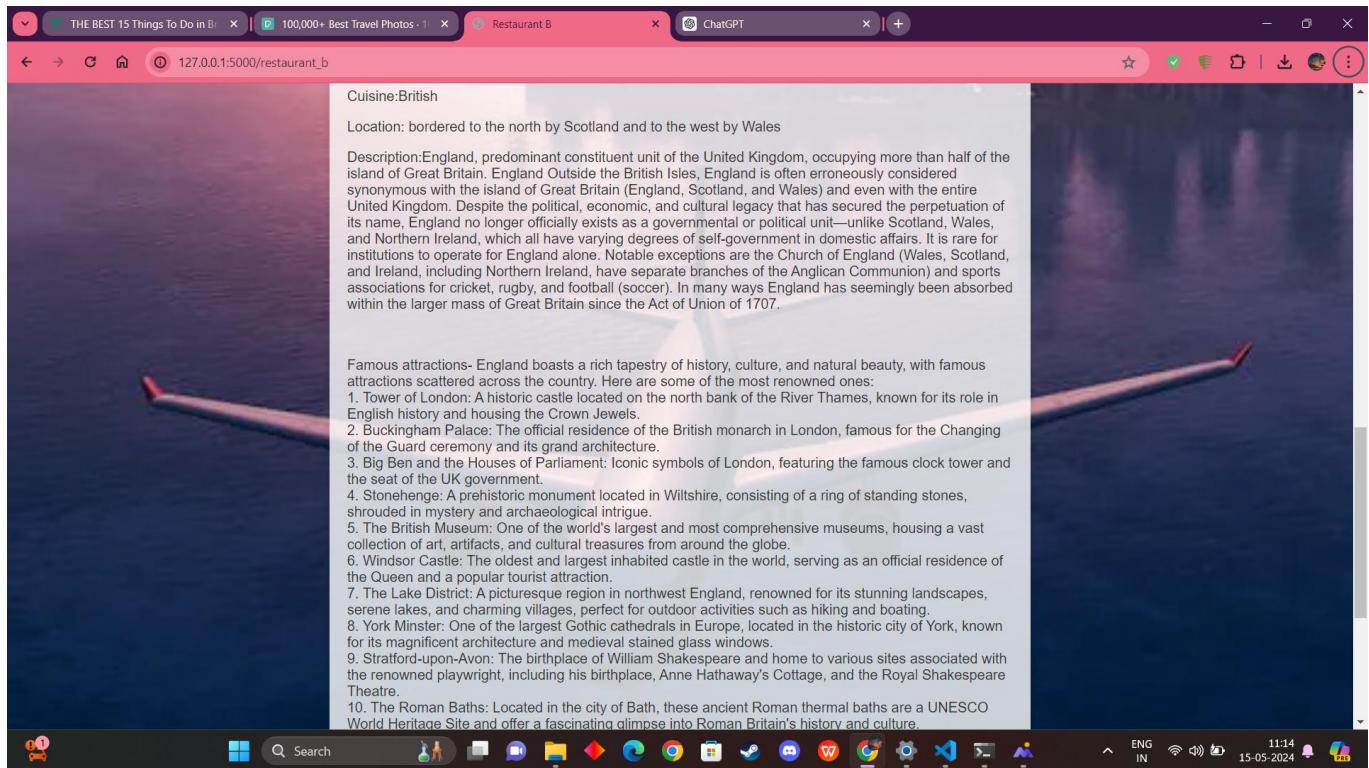


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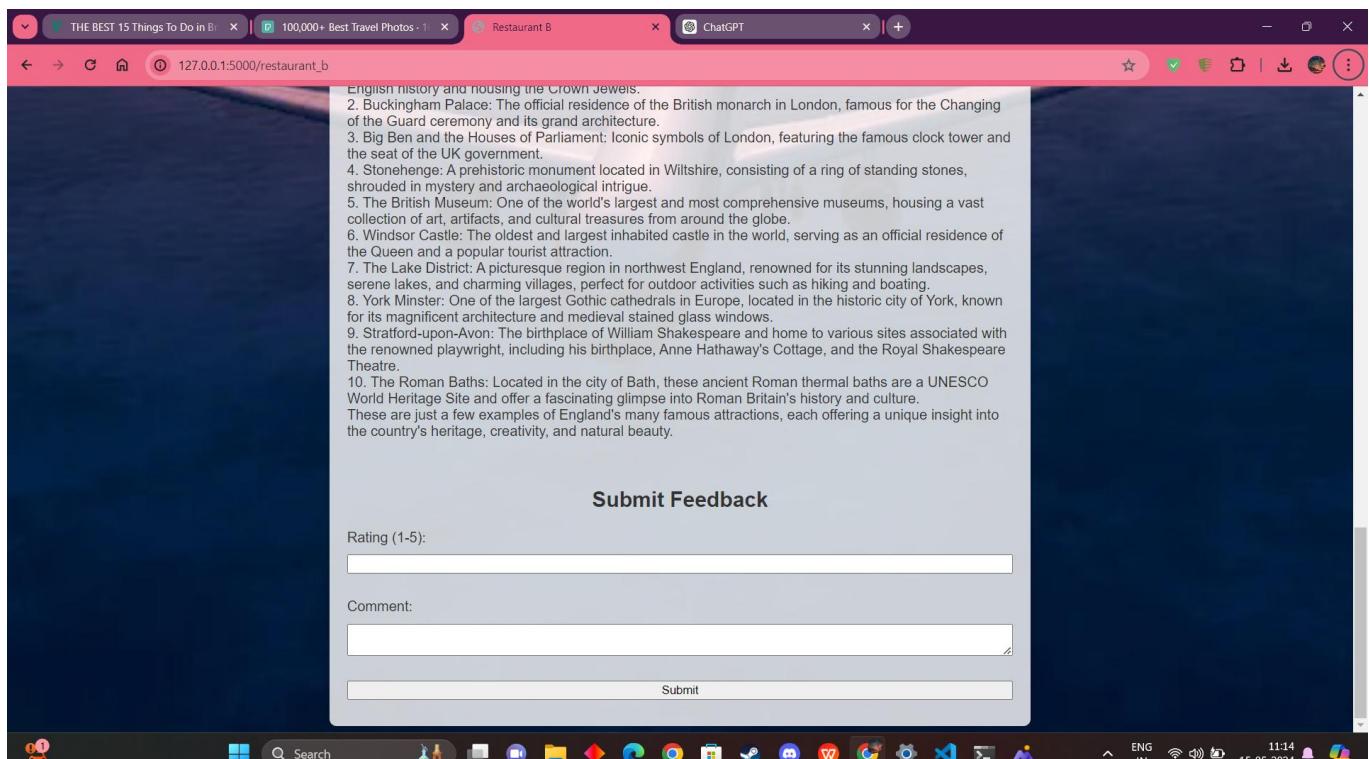


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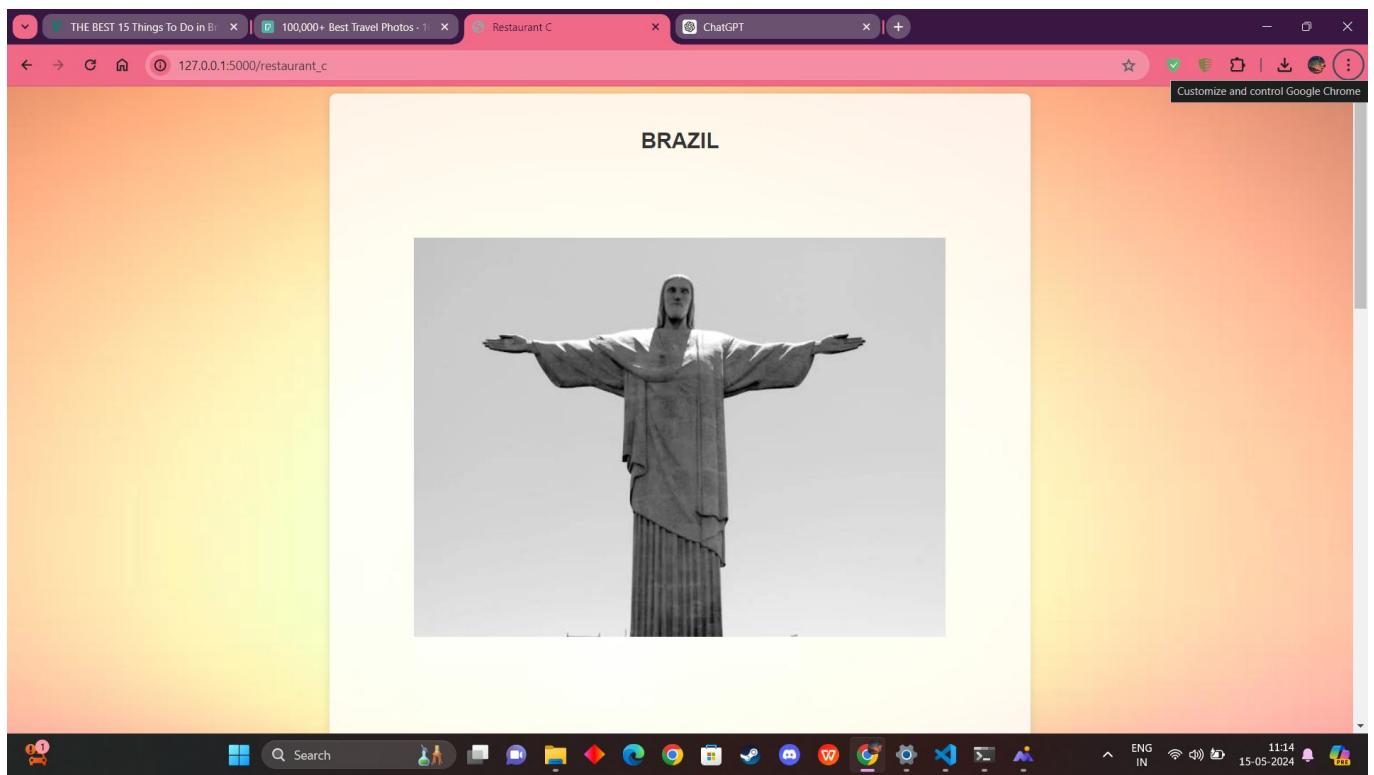


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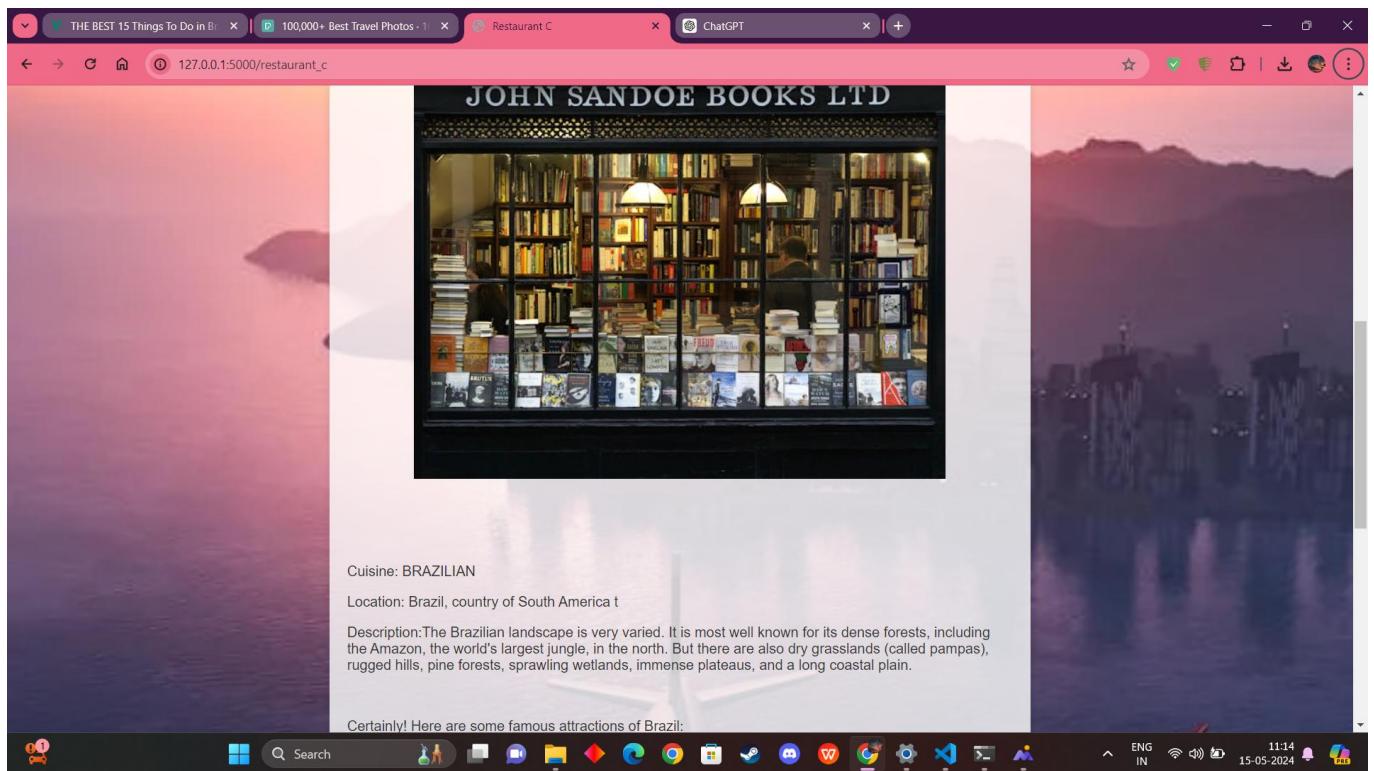


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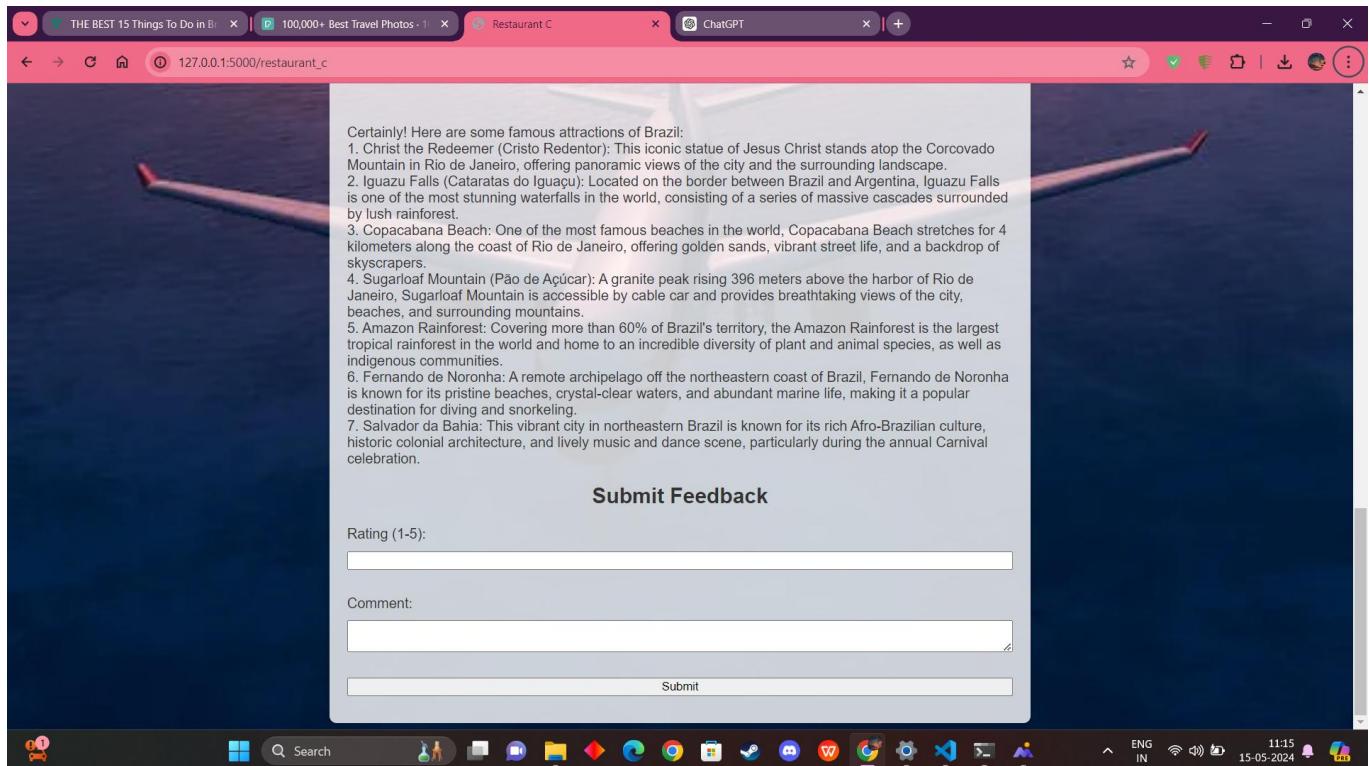


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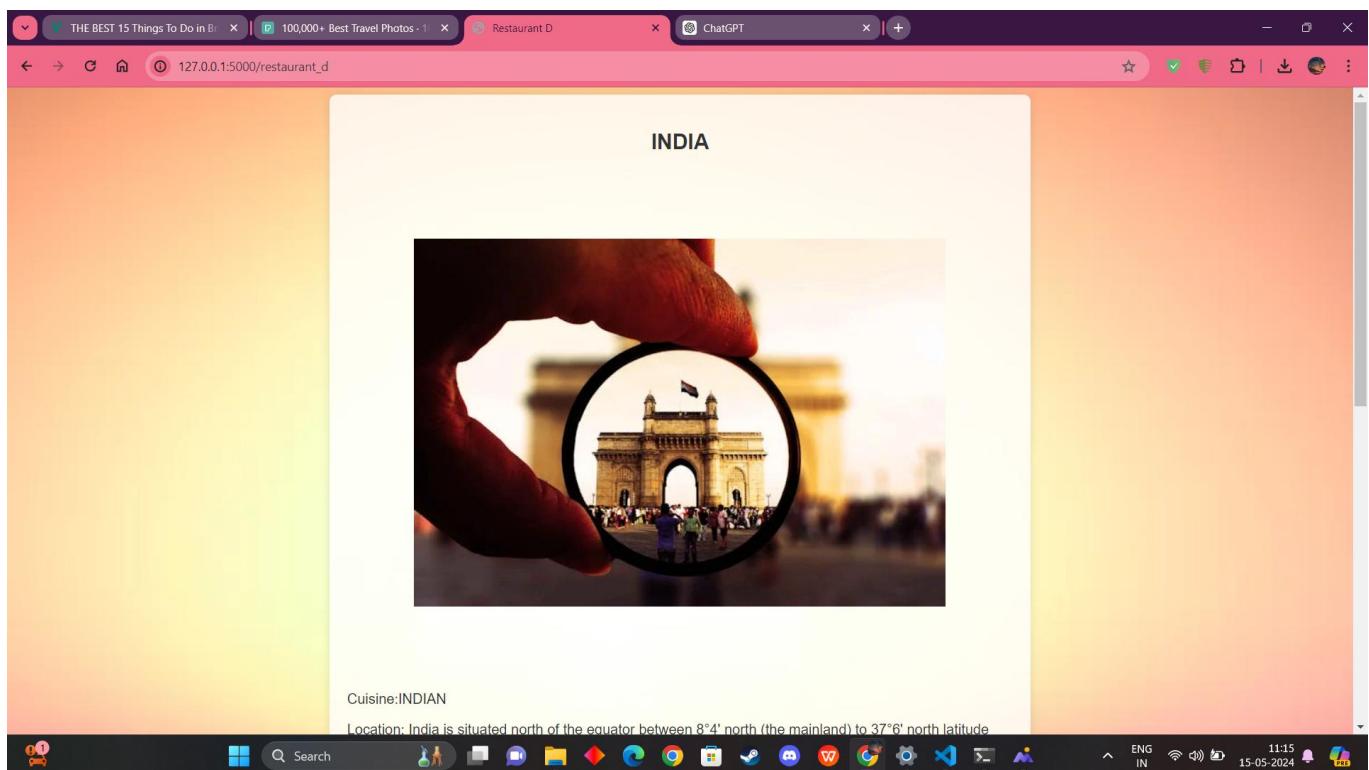


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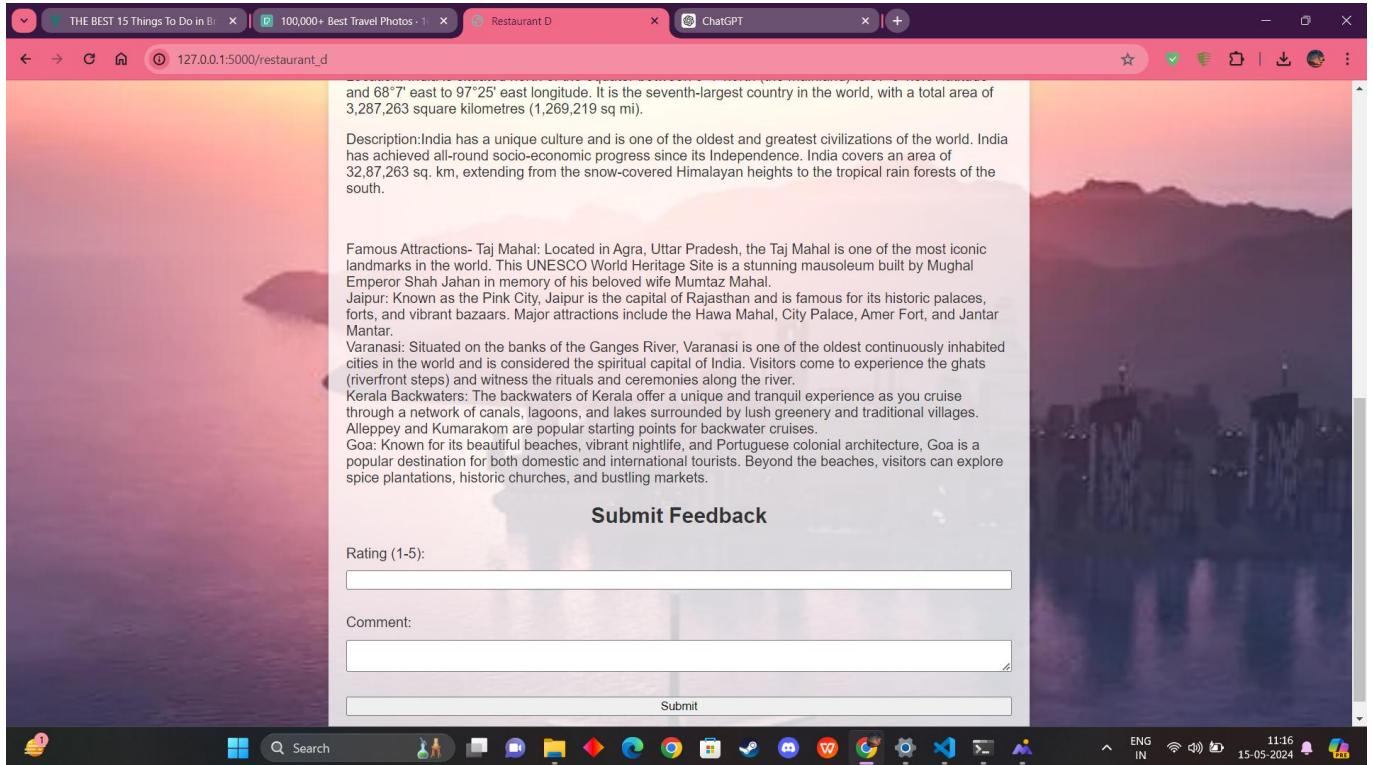


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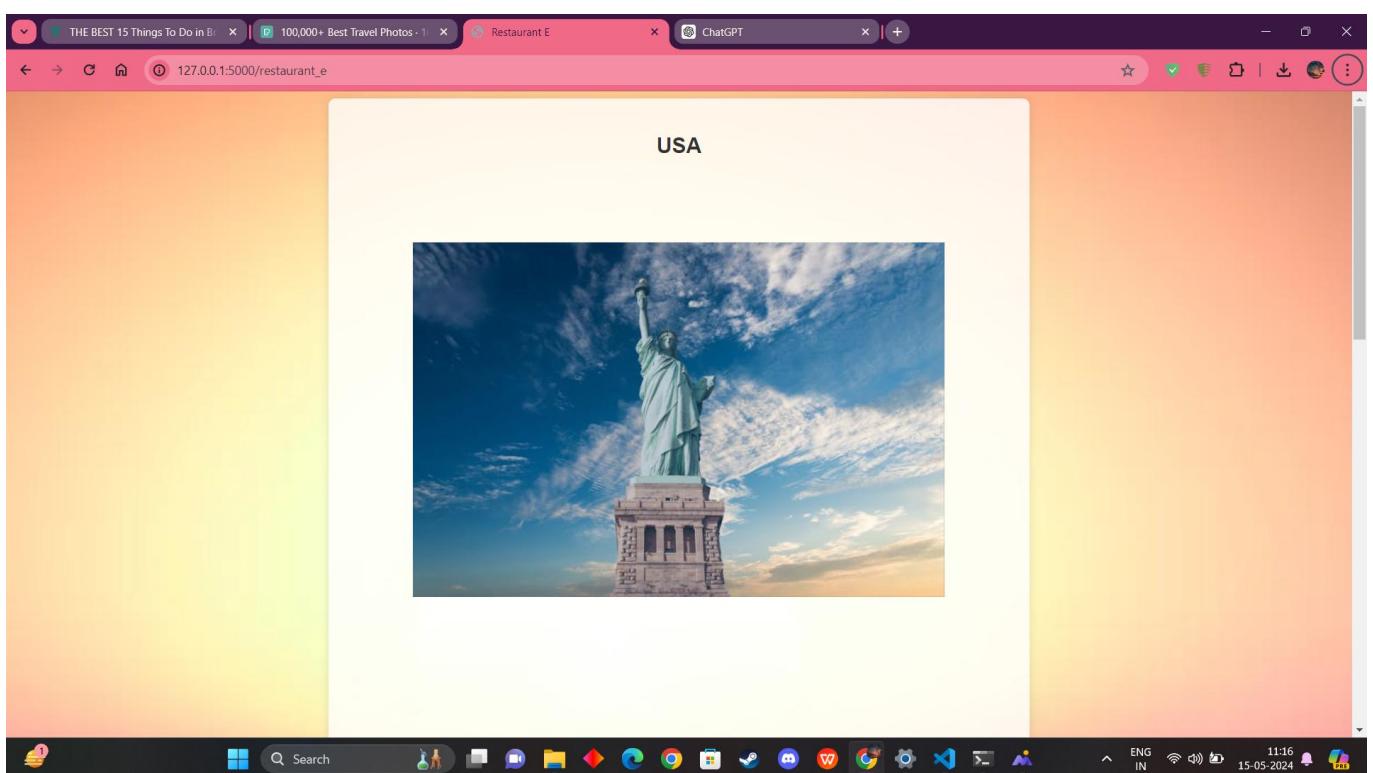


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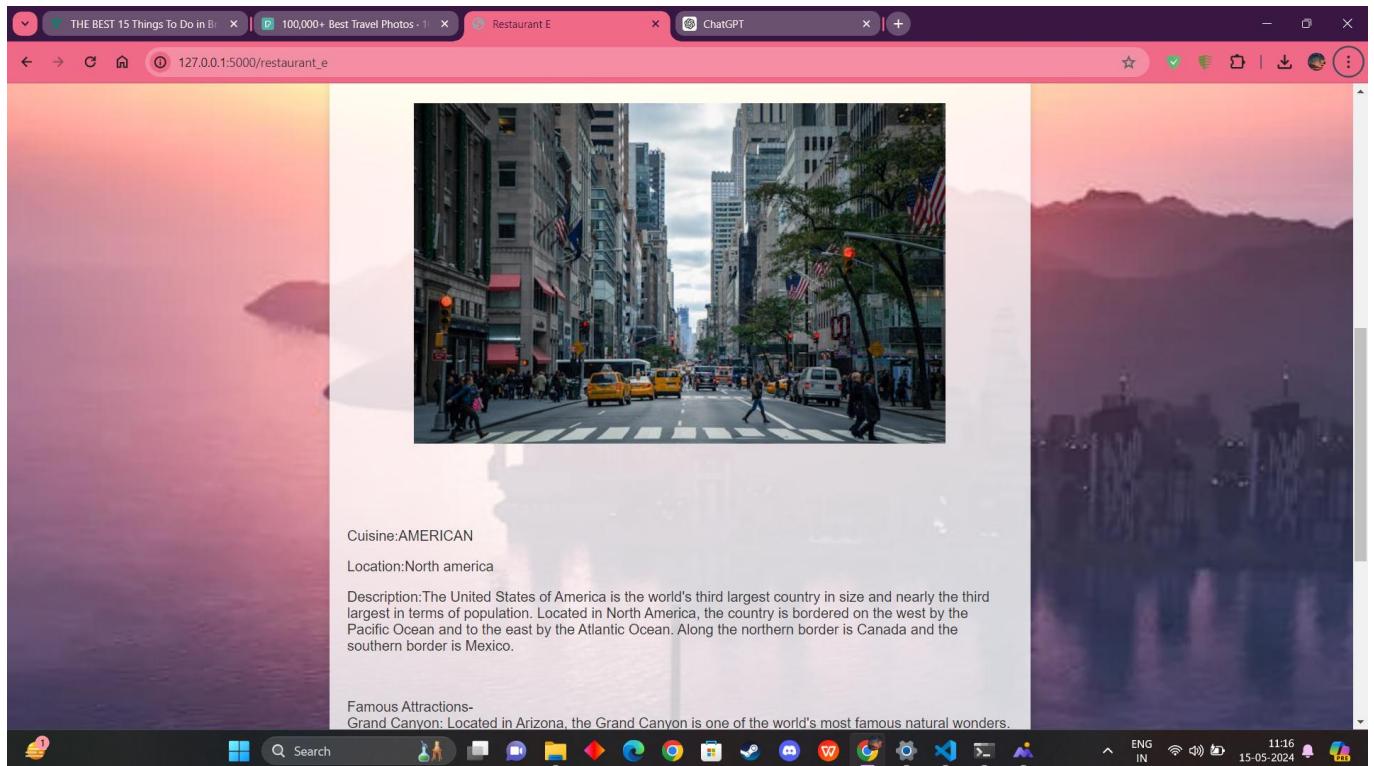


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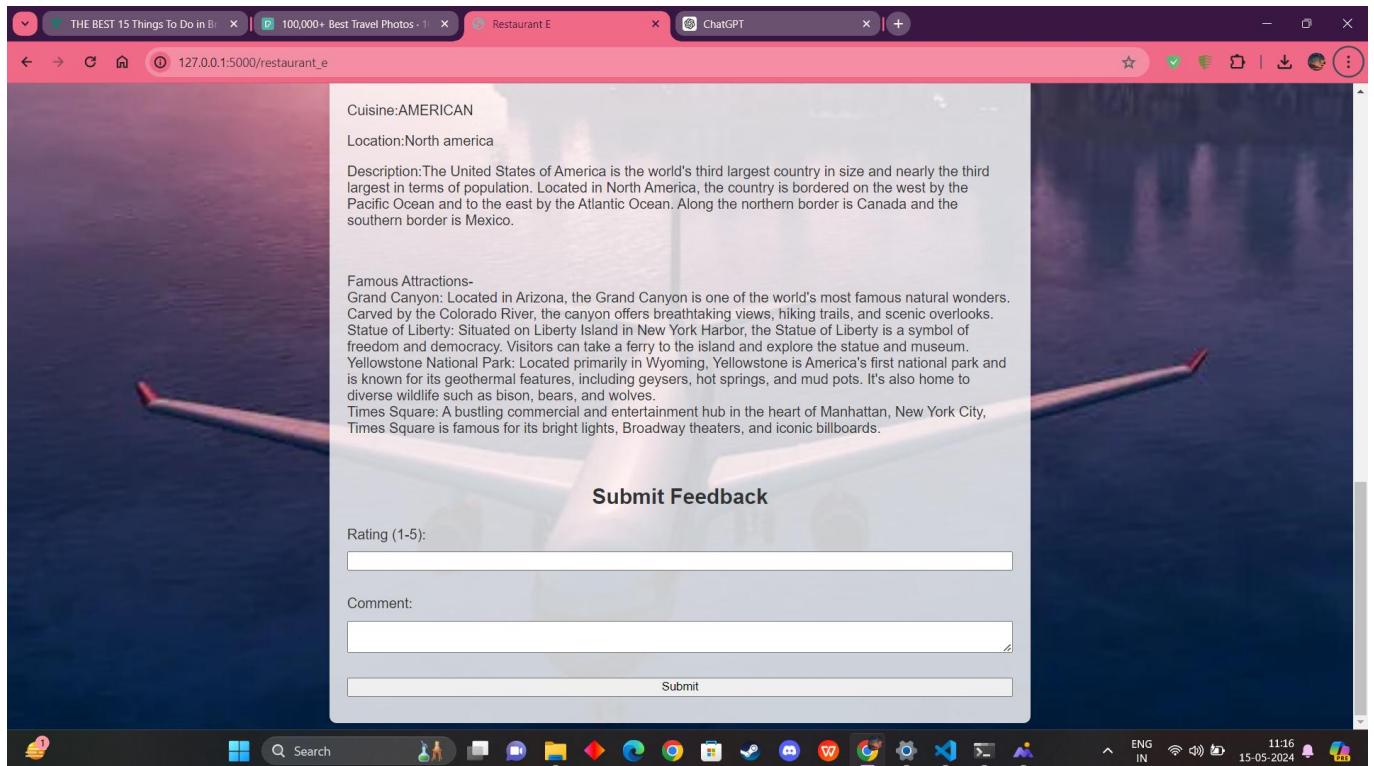


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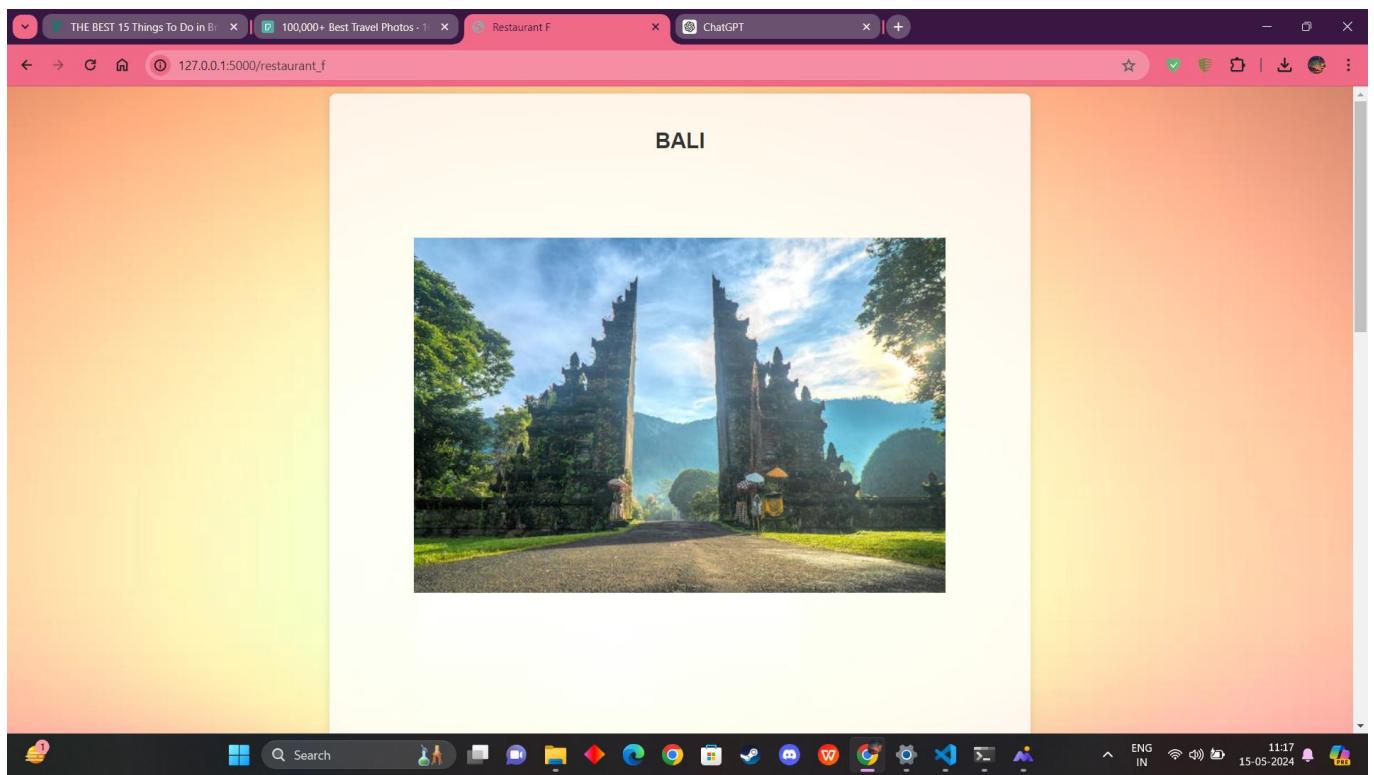


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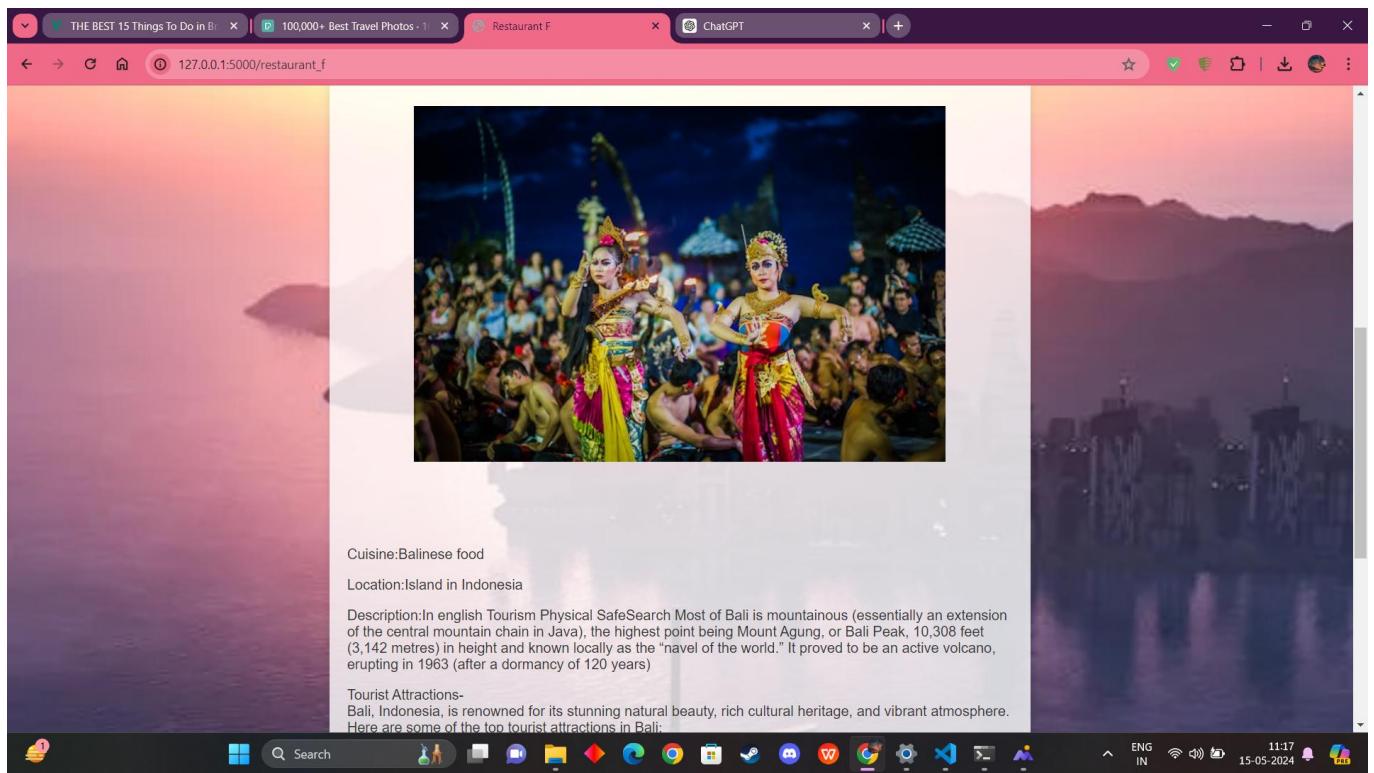


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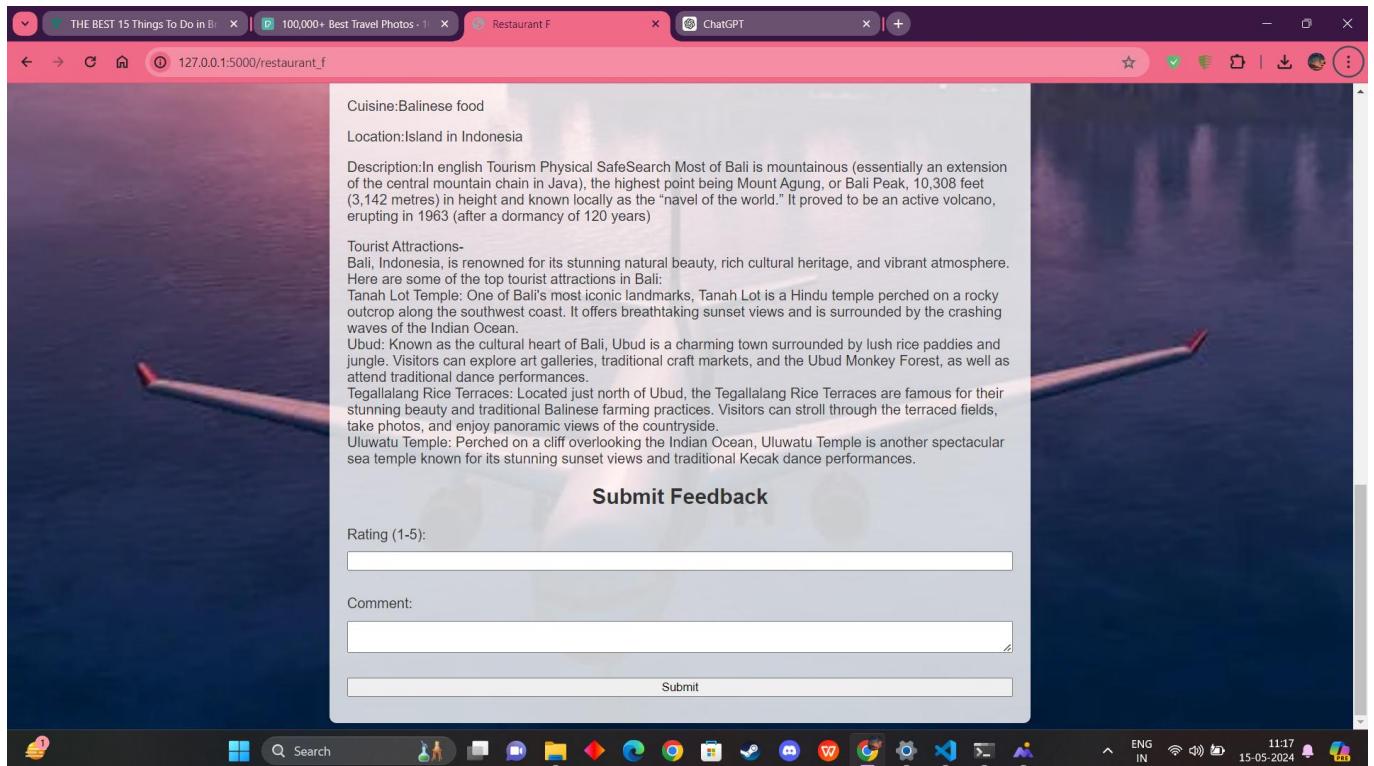


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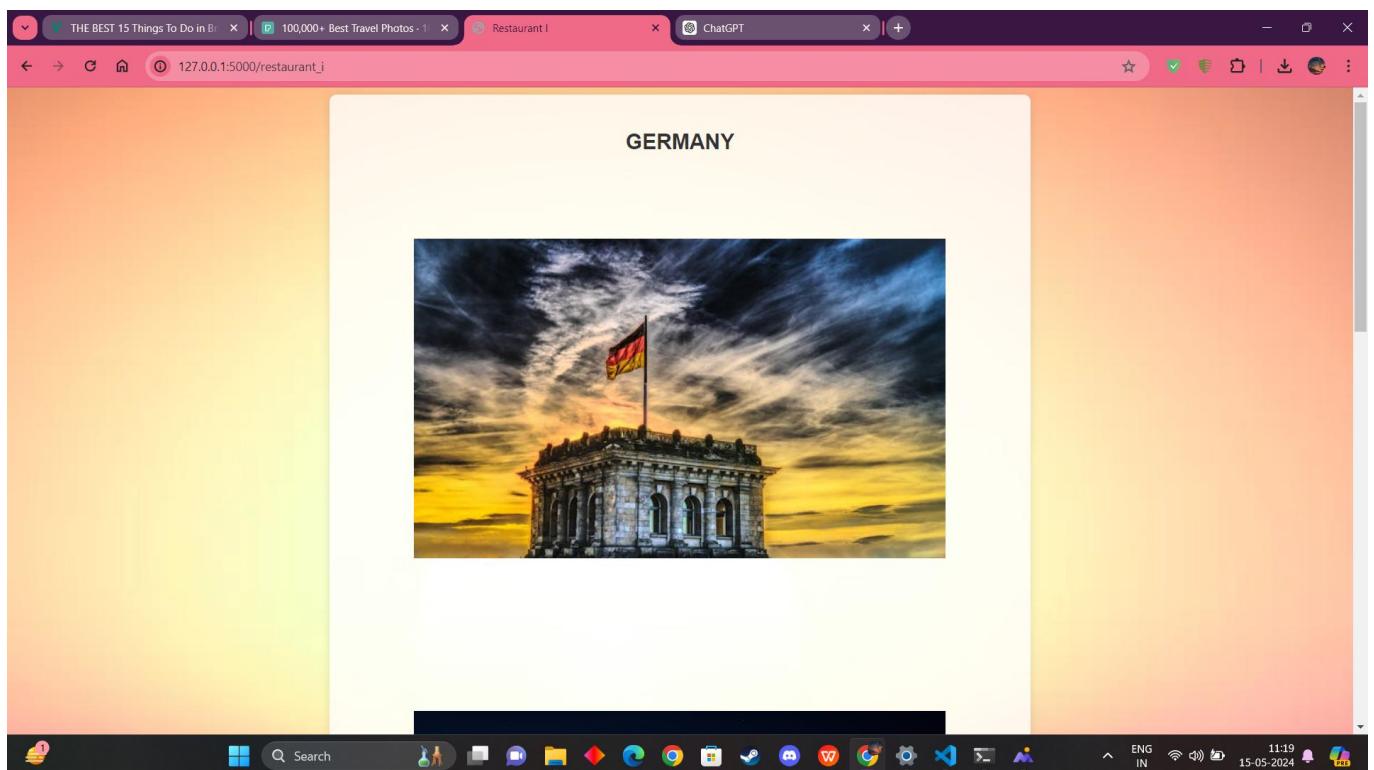


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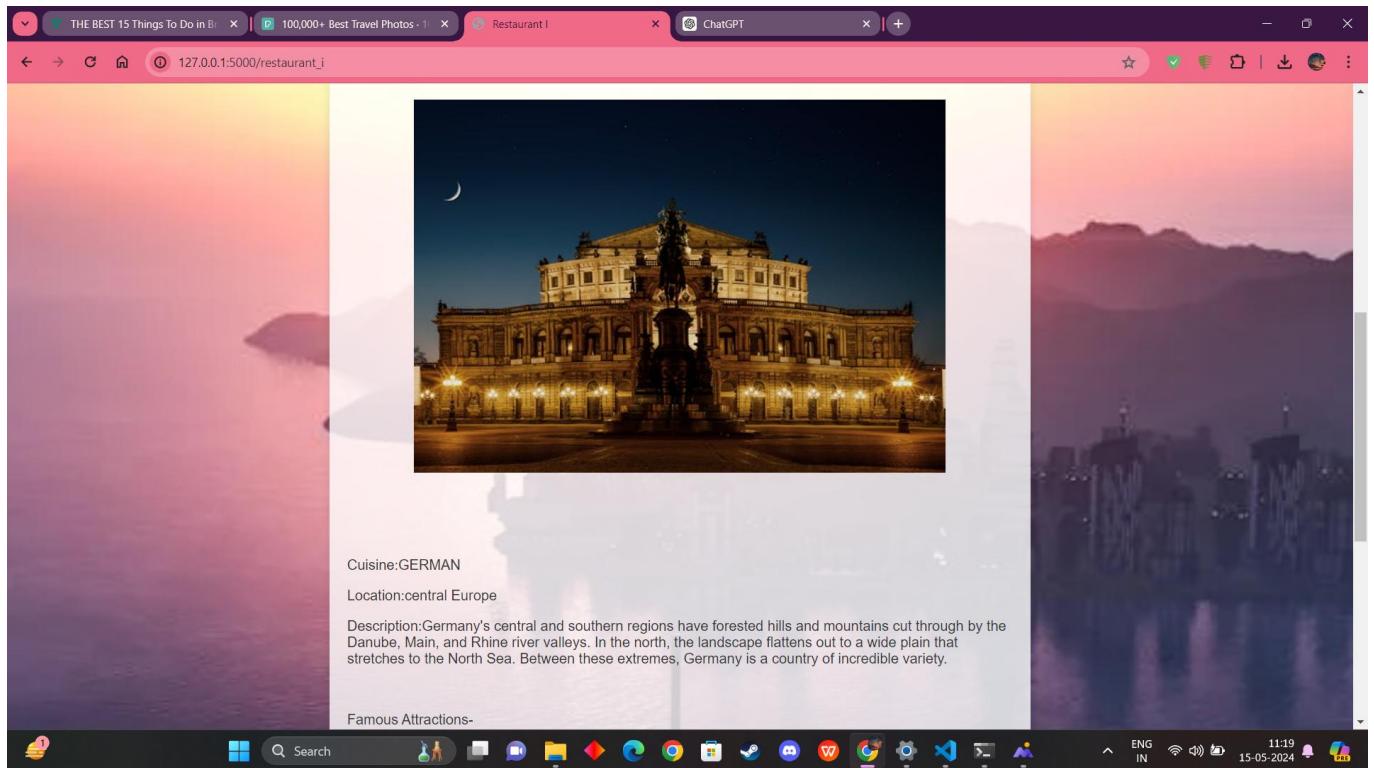


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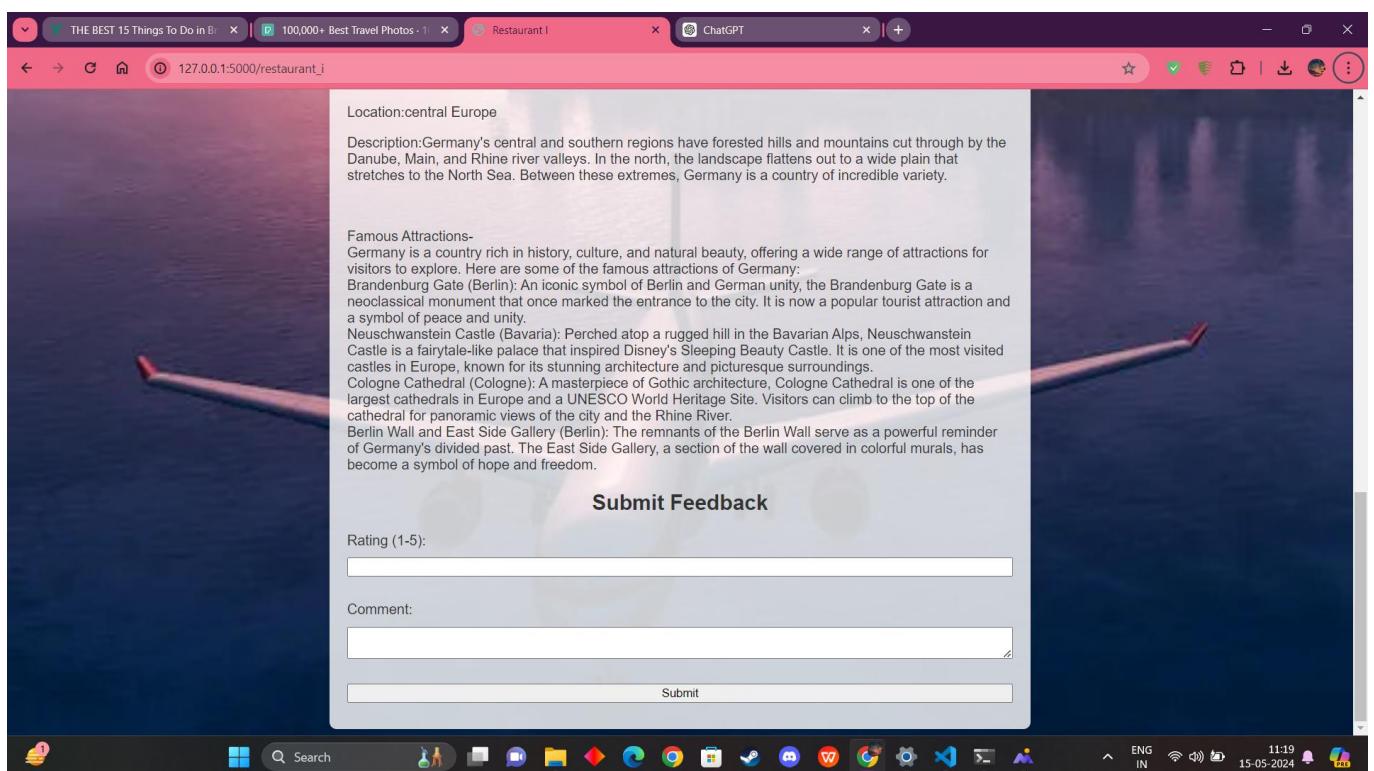


Figure 9.28

FUTURE APPLICATIONS OF THE PROJECT

To further enhance the functionality and user experience of the Tourism Portal Feedback System, consider the following improvements:

Feedback Viewing:

Implement features to allow users to view feedback left by others for each restaurant. This could include average ratings and lists of comments.

Advanced Authentication:

Add password reset functionality and email verification to improve security and user management.

Responsive Design:

Ensure that the user interface is fully responsive and works well on mobile devices and tablets.

Enhanced Feedback System:

Allow users to edit and delete their feedback. Add features such as upvoting helpful comments and flagging inappropriate feedback.

Data Analytics:

Integrate analytics to provide insights into user feedback trends and restaurant performance.

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