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School of Computer Science and Engineering (SCOPE)
M.Tech – Software Engineering (5 Year Integrated)
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A project report on

INDIAN TOURISM EXPLORER

Submitted in partial fulfillment for the J Component project of

SWE4002 – Cloud Computing

by

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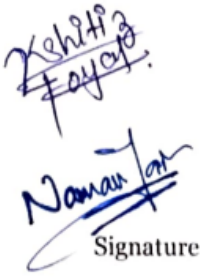

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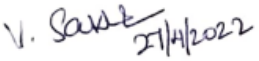

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Dr.V.Sakthivel,AP(Sr.G)/SCOPE

Abstract: India is famous for its tourism. It has all types of tourist places in one place. In India, one can discover massive mountain ranges, deserts, wild safaris, historical monuments, beaches, etc. Tourists from different states or countries need a system to help the tourists in their accommodation and tourist purposes. Thus, we are developing a web application that will provide necessary detailed description of the state tourists are visiting. The tourists will get knowledge about the state's famous cuisines, best time to visit etc. The unique selling price of this project is that it has a Tourism module where the tourists can get knowledge about the famous sightseeing places of the state they are visiting. A location feature will be there which will help them to locate the place through Google Maps. Through our "Item Gallery", the tourists can buy famous products of the desired state with few clicks! Our final module is an Online Hotel Booking, where the tourists can check out top 5 hotels of the area they are visiting and can easily book it with ease. This application will reduce the efforts of tourists to a greater extent. It is capable of boosting up the tourism sector too.

Keywords: Tourism, Online Hotel Booking, Item Gallery

1. Introduction

India is famous for its tourism. It has all types of tourist places in one place. In India, one can discover massive mountain ranges, deserts, wild safaris, historical monuments, beaches, etc. Tourists from different states or countries need a system to help the tourists in their accommodation and tourism purposes.

Indian Tourism Explorer is a purely dynamic web application deployed on Amazon Web Services. It uses an online JSON file to fetch the required data and dynamically form web pages.
This web application is crucial for the advancement of the tourism sector in India. It will help the tourists in their accommodation, local food cravings and other purposes. The tourists will get knowledge about the state's famous cuisines, best time to visit etc. A location feature will be there which will help them to locate the place through Google Maps. Through our "Item Store", the tourists can buy famous products of the desired state with few clicks!
Due to its dynamic features, this web application can be extended further to other states or countries as well.

2. Motivation

Currently, there is no application which is providing all the tourist services at one place. Our web application will be providing all the necessary services such as online hotel booking, online local cuisine ordering and item gallery. India is famous for its tourism. It has all types of tourist places in one place. In India, one can discover massive mountain ranges, deserts, wild safaris, historical monuments, beaches, etc.

Tourists from different states or countries need a system to help the tourists in their accommodation and tourism purposes.
The tourist sector in India is well-known. It houses a variety of tourist attractions in one location. Massive mountain ranges, deserts, wild safaris, historical landmarks, and beaches may all be found in India. Tourists from various states or countries require a system to assist them with their lodging and tourist needs. As a result, we're working on a web application that will provide travelers with a full explanation of the state they're visiting. Tourists will learn about the state's famous cuisines, the best time to come, and so on. This project's distinctive selling point is that it includes a Tourism module that provides tourists with information on the state's notable tourist attractions.

3. Background

3.1 Destinations are linked to a domain-based e-tourism planner

The basic functionality and composition of internet based tour planning software are presented in the research. Linked Data Web can help developers build a variety of complex applications. Ontologies are the foundation of the Linked Data Web; they provide a shared understanding of different fields and allow people and devices to communicate easily in order to create applications. The given “tour planner” have inbuilt intelligence that allows it to construct travel itineraries by comparing visitor needs with vendor offerings contained in the travel ontology.

3.2 A Multi-Level Tourism Destination Recommender System

A tourist's choice of holiday destination is influenced by a number of factors, including cost, availability of activities, popularity, and safety. Despite the vast amount of information available on the Internet, the effectiveness of using it to select a destination that satisfies all of a potential traveler's criteria is always debatable. As a result, to improve the quality of the service they give, travel and tourism software products frequently include a recommender system component. We offer a simple multi-level tourism recommender system framework in this research to help potential tourists locate the destination that best suits their tastes and requirements.

3.3 An investigation into the application of infotech in development of tourism

InfoTech (IT) altered the way businesses operate everywhere. Its effects have been in industries that rely on information mostly. One such industry is tourism. The insertion of infotech in tourism management is studied here. The size of tourism companies had an impact on how they used technology and how they felt about it, according to this study. Access to the Internet in low-cost and available technologies was seen as a bug investment by small businesses. Information technologies are rapidly being used by tourism providers and travel brokers to communicate location imagery to potential customers. With CRS i.e. Computerized Reservation Systems, travelling items can now directly be sold to potential customers.

3.4 Intelligent Travel Advisor: A travel-related web service mashup

The Intelligent Travel Advisor is internet solution that simplifies the process of planning by combining the APIs of numerous travelling-related applications. Unlike the other available applications that function as calendar programs, this system is distinctive because it combines all of the functions and information required for planning into a software, including features like availability of hotels and calculating routes between locations told by the users at various places, as well as giving sightseeing advice, with taking into account environmental factors.

3.5 MAKE MY TRIP-A Largest Online Travel Booking Portal

Consumers have taken to online portals because they may buy consumer products straight online or via cash on delivery (COD) with buy back offers at competitive rates. Since the mid- 1990s, the tourism industry has witnessed changes as a result of information technology, which has opened the way for travel automation. As a result, airlines have created websites/web pages where they directly provide competitive pricing and offers to passengers. Many online travel portals (OTPs) are doing brisk business, including Yatra.com, MMT, Goibibo.com, etc.

4. Related Problem

Tourism is one of a country's most important industries. Massive mountain ranges, deserts, wild safaris, historical landmarks, and beaches may all be found in India. Tourists from various states or countries require a system to assist them with their lodging and tourist needs.
The tourist sector in a country like India has major challenges due to a lack of knowledge and communication. It is difficult for international travelers to locate excellent lodging, food, and other amenities. If someone wishes to visit a state, they will initially look for the state's well-known tourist attractions. People are interested in learning more about the city they are visiting.
We have integrated several modules such as an item store, a hotel booking system, and a food ordering system onto our website so that travelers do not have to go searching for their necessities.

5. Modules

5.1 REGISTRATION MODULE:

This module contains information regarding user registration, which they can complete on their own by entering information such as their name, password, email address, and other details. They can use their username and password to log in after registering.

5.2 STATES MODULE:

This module covers the details about the state. After selecting a state, they will get the respective details like best time to visit, famous cuisines etc.

5.3 **TOURISM PLACES:**

In this module, user will get the knowledge of different tourism places of the state selected and can get the geographical location of the same.

5.4 **HOTEL BOOKING:**

In this module, users can search for hotels/lounges present in the nearest. They can book their desired hotel/lounge easily.

5.5 **FOOD ORDERING:**

In this module, users can order the food from their chosen restaurant and pay for it.

5.6 **ITEM STORE:**

In this module, the user can search and buy local items of different states.

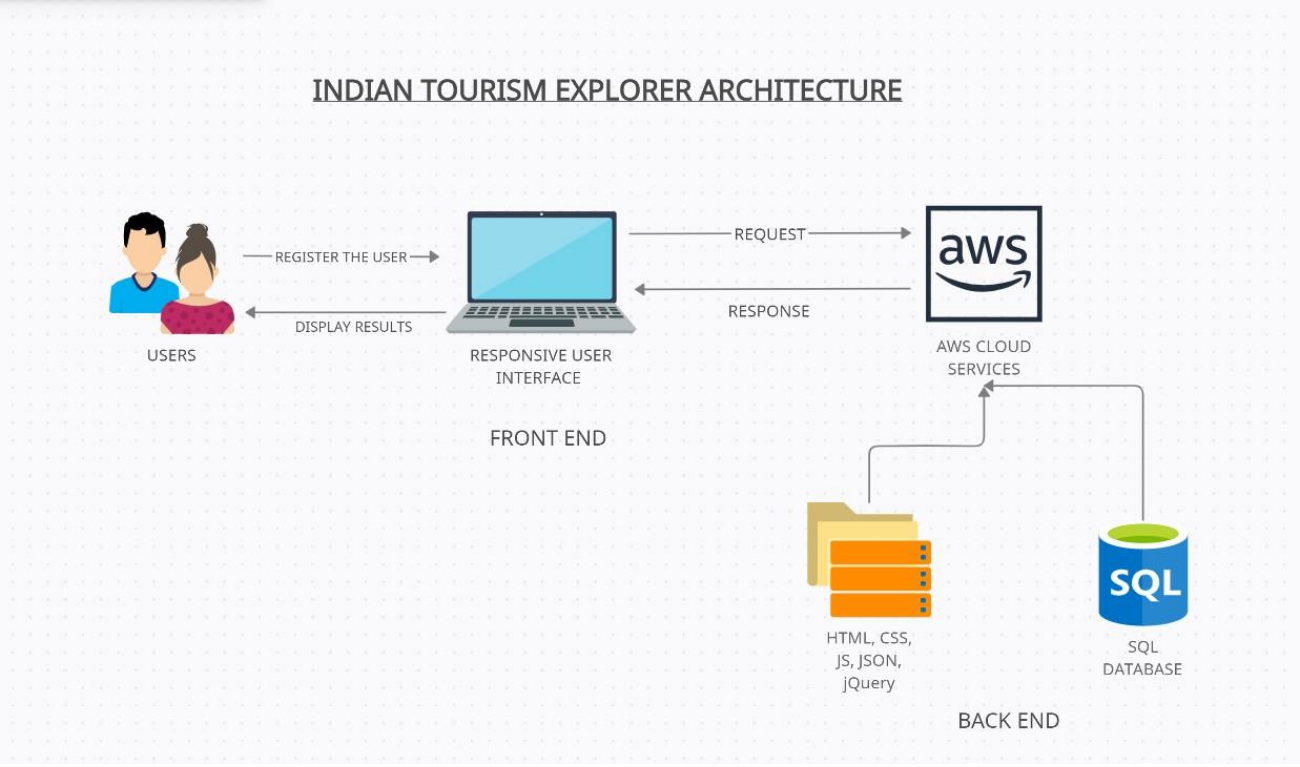
5.7 **FEEDBACK MODULE:**

User can provide suggestions/complaints through the feedback section.

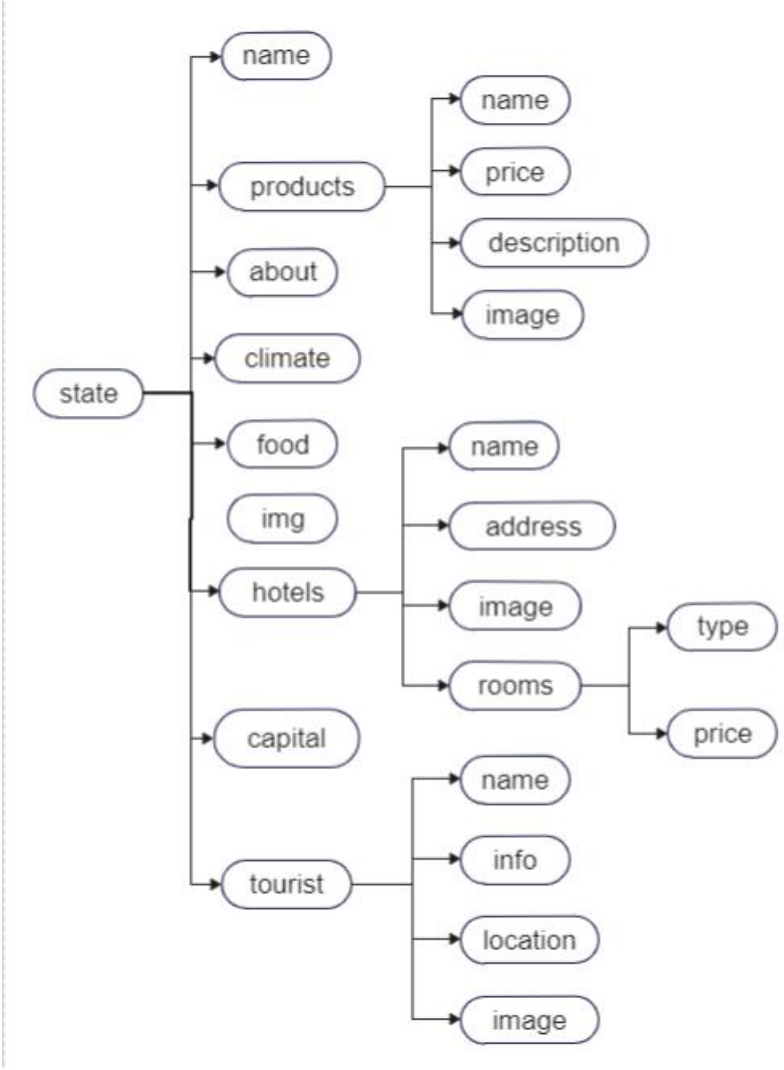
5.8 **ADMIN MODULE:**

Administration can check the user details and booking details through this module. It can be used to give replies to user's feedbacks.

6. Result Analysis and Study



Architecture of JSON file used to fetch data:



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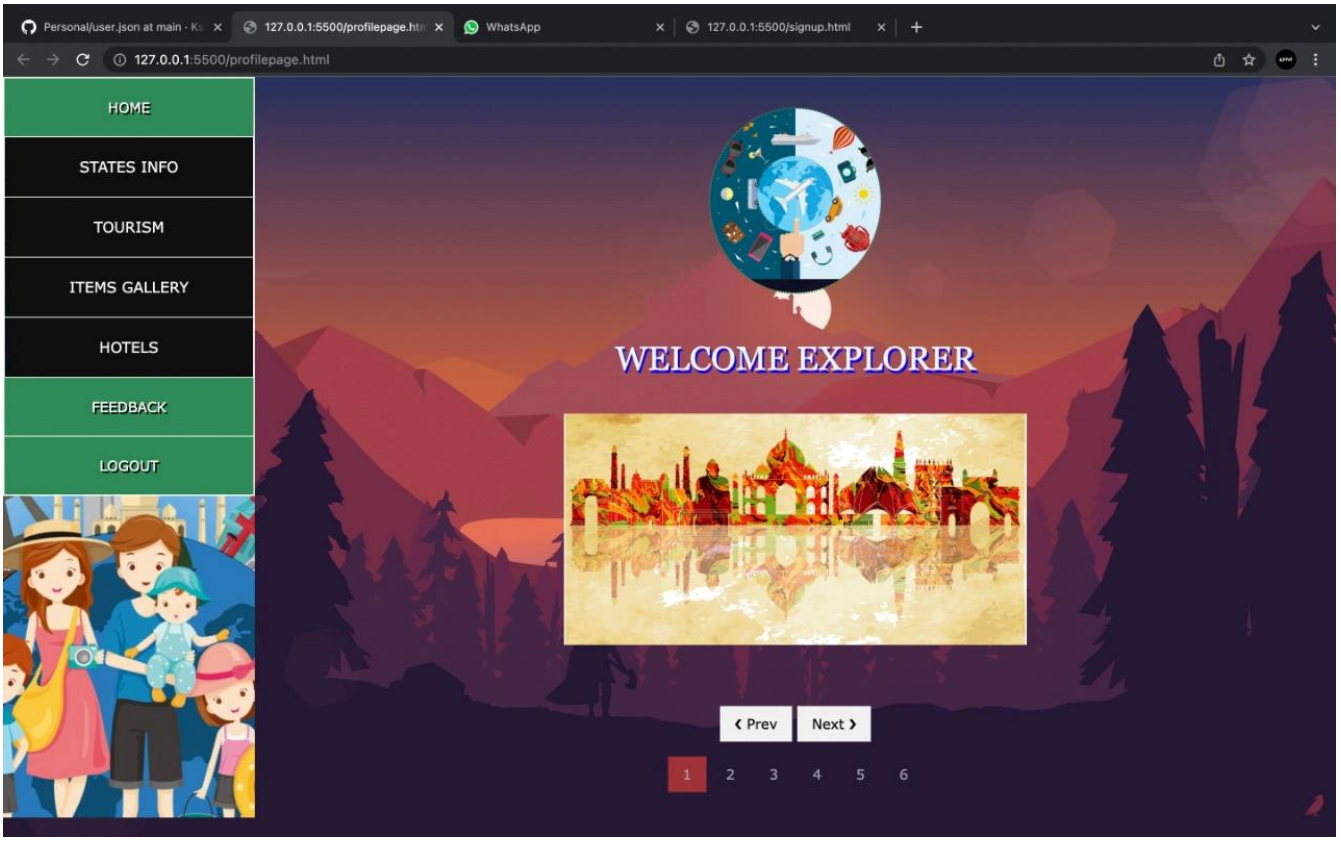

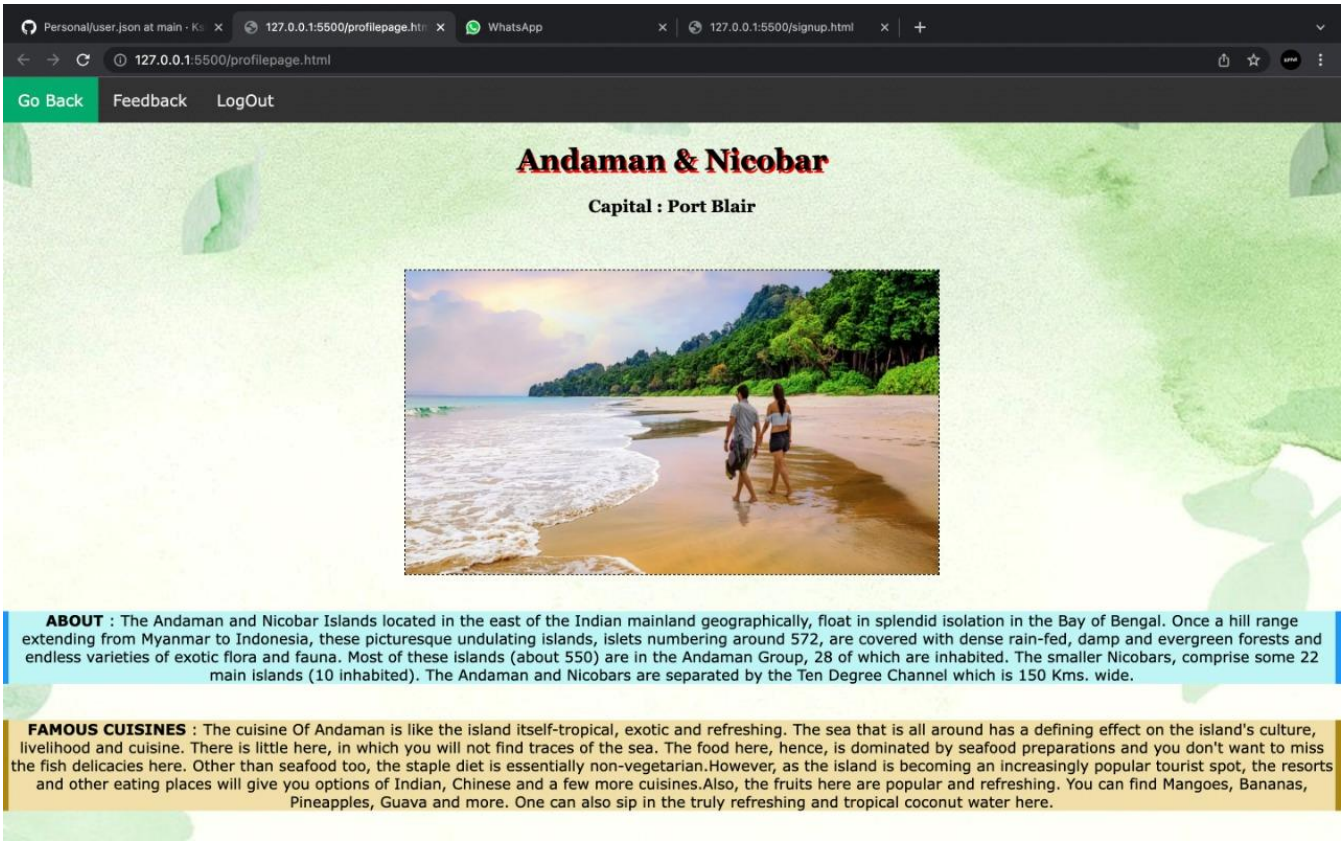

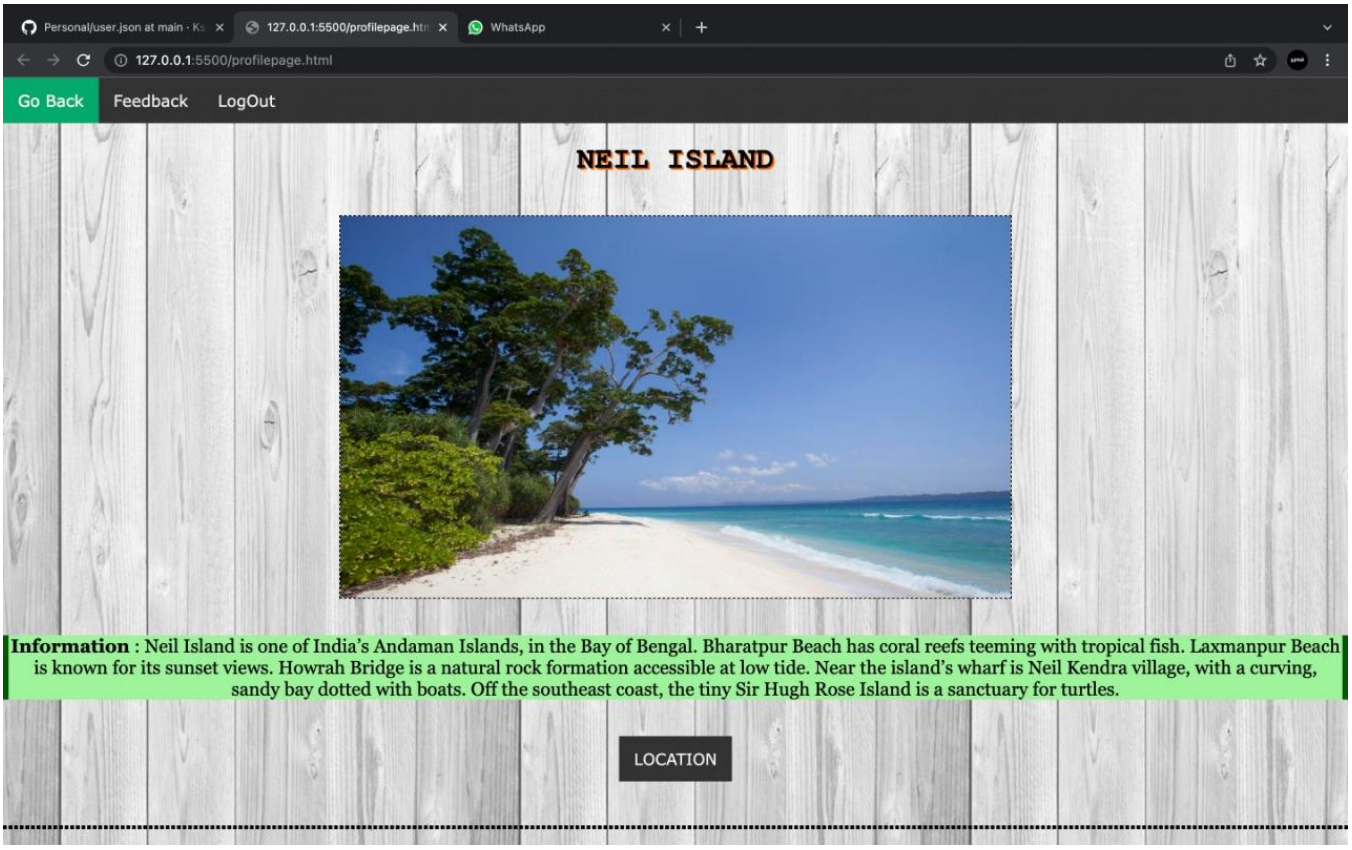
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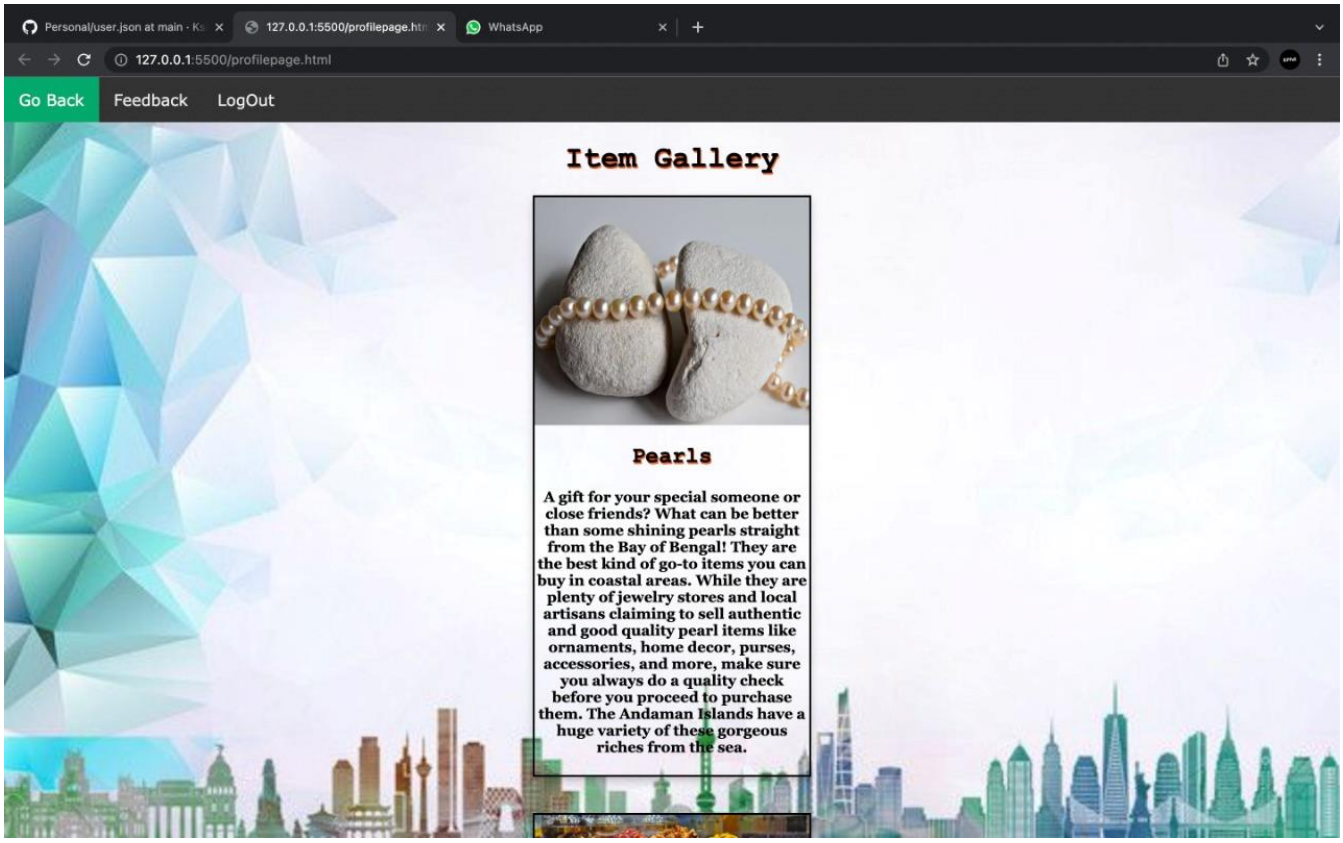
NEIL ISLAND
Information : Neil Island is one of India's Andaman Islands, in the Bay of Bengal. Bharatpur Beach has coral reefs teeming with tropical fish. Laxmanpur Beach is known for its sunset views. Howrah Bridge is a natural rock formation accessible at low tide. Near the island's wharf is Neil Kendra village, with a curving, sandy bay dotted with boats. Off the southeast coast, the tiny Sir Hugh Rose Island is a sanctuary for turtles.
LOCATION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Item Gallery
Pearls
A gift for your special someone or close friends? What can be better than some shining pearls straight from the Bay of Bengal! They are the best kind of go-to items you can buy in coastal areas. While they are plenty of jewelry stores and local artisans claiming to sell authentic and good quality pearl items like ornaments, home decor, purses, accessories, and more, make sure you always do a quality check before you proceed to purchase them. The Andaman Islands have a huge variety of these gorgeous riches from the sea.

7. Conclusion and Future Work

Due to tourism, there is a major growth in world's economy. With the increase in middle class people and tourists who spends high with the programs provided by the government to advertise "INCREDIBLE INDIA" are the forces that are driving India's tourism.

All the matters related to companies and different cultures are like items due to the tourism sector. It endangers the living places of different animals which is a negative consequence. Tourists as well as the government are benefitted from these types of activities. To achieve the same, they both have to support each other at that time.

Hence, we conclude that we have completed all of the modules in our web application and we have a created a successful **Tourism Explorer** which will assist the tourists in the tourism sectors they want to explore. Our web application consists of various modules such as food ordering module, hotel booking module, item gallery etc. to improve the customer satisfaction. Through the feedback form, the customers can provide suggestions/complaints which will help the administration to enhance the quality of this system.

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