

Discover Bangladesh Tourism System

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**Submitted partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science and Engineering**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SONARGAON UNIVERSITY (SU)**

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APPROVAL

The project titled “Design and Implementation of Discover Bangladesh Tourism System” submitted by Arpa Rani Mitra (CSE2203027101), Puja Acharjee(CSE2203027102), Muhaiminul Islam (CSE2203027152), and Fiaz Bin Alim (CSE2102023025) to the Department of Computer Science and Engineering, Sonargaon University (SU), has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering.

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DECLARATION

We hereby declare that the project work entitled “Design and Implementation of Discover Bangladesh Tourism System” is our own work and has been carried out under the supervision of **Oishika Khair Esha**, Department of Computer Science and Engineering, Sonargaon University. We also declare that this project has not been submitted elsewhere for the award of any degree or diploma.

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ABSTRACT

The tourism industry is one of the fastest-growing sectors in the world, and Bangladesh has immense potential due to its natural beauty, cultural heritage, and historical landmarks. However, the lack of a centralized and reliable digital platform makes it difficult for tourists to plan their trips efficiently.

This project, titled “Discover Bangladesh Tourism System,” aims to develop a web-based platform that provides a complete tourism solution. The system allows users to explore destinations, book travel packages, find hotels and transportation, and interact with service providers in a single platform.

The system is designed using modern web technologies and follows the Software Development Life Cycle (SDLC) model, specifically the V-model, to ensure structured development and testing. It includes modules such as user management, booking system, partner integration, and review system.

The proposed system helps users save time, reduce costs, and simplify travel planning. It also supports business partners like hotels, travel agencies, and service providers, creating a complete tourism ecosystem. Overall, this project contributes to the digitalization of Bangladesh’s tourism industry and enhances the travel experience for both local and international tourists.

ACKNOWLEDGEMENT

I would like to express my sincere gratitude to all those who supported me in completing the project titled “Discover Bangladesh”.

First and foremost, I would like to express my heartfelt thanks to my respected supervisor **Oshika Khair Esha** for their valuable guidance, continuous support, and encouragement throughout the development of this project. Their insightful suggestions and direction played a significant role in the successful completion of this work. I would also like to thank my teachers for providing me with the necessary knowledge and support during my academic journey. I am grateful to my friends and classmates for their cooperation, helpful discussions, and motivation during the project. Finally, I would like to express my deepest gratitude to my family for their constant support, inspiration, and encouragement, which helped me complete this project successfully.

LIST OF ABBREVIATIONS

API-----	Application Programming Interface
CRUD-----	Create, Read, Update, Delete
CSS-----	Cascading Style Sheets
DFD-----	Data Flow Diagram
ER-----	Entity Relationship
HTML-----	Hyper Text Markup Language
JS-----	JavaScript
SDLC-----	Software Development Life Cycle
SEO-----	Search Engine Optimization
TS-----	TypeScript
UI-----	User Interface
UX-----	User Experience

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CHAPTER 1

Introduction To Discover Bangladesh

1.1 Introduction

The “Discover Bangladesh” website is designed to solve this problem by providing a complete tourism management platform. It allows users to explore various destinations across Bangladesh, create personalized travel plans, book tour packages, and connect with service providers such as hotels, guides, and transport services.

1.2 Project Objectives

The main objective of this project is to develop a user-friendly and efficient tourism website that provides all necessary travel-related services in one platform.

Specific Objectives:

- To develop a platform for exploring tourist destinations in Bangladesh
- To provide a feature for planning trips based on user preferences
- To allow users to book tour packages online
- To create a partnership system for service providers
- To ensure a smooth and responsive user experience
- To promote digital tourism in Bangladesh

1.3 Project Planning

The project was planned following a structured approach to ensure proper development and implementation.

- Planning Steps:
 - Requirement Analysis
 - System Design
 - Development
 - Testing
 - Deployment
- The project timeline was divided into phases:
 - Research & Idea Development
 - UI/UX Design
 - Frontend Development

1.4 Problem Statement

Tourism in Bangladesh faces several challenges due to the absence of an integrated digital platform.

Existing Problems:

- Lack of centralized tourism information
- Difficulty in planning trips manually
- Limited access to verified service providers
- No proper platform for booking packages online
- Poor user experience in existing systems
- Due to these issues, tourists often face inconvenience while planning trips.
- The Discover Bangladesh system is developed to overcome these challenges by offering a complete solution in one platform.

1.5 Feasibility Study

Before developing the system, a feasibility study was conducted to determine whether the project is viable.

1.6 Requirement Specification

1.6.1 Hardware Requirements

A computer or mobile device with internet connection is required to access the system.

1.6.2 Software Requirements

The system requires a web browser and development tools such as code editor and Node.js for development.

CHAPTER 2

BACKGROUND OF THE PROJECT

2.1 Background

Tourism is one of the most important sectors for economic growth and cultural exchange. Bangladesh is a country rich in natural beauty, historical landmarks, and cultural heritage. From the beaches of Cox's Bazar to the forests of Sundarbans, the country offers a wide variety of tourist attractions. However, despite having such potential, the tourism industry in Bangladesh is still not fully digitized. Many travelers face difficulties in gathering information, planning trips, and booking services. Most of the information is scattered across different sources, which makes the process time-consuming and inefficient. With the advancement of web technologies, it has become possible to develop integrated platforms that provide all travel-related services in one place. The Discover Bangladesh project is developed to address these challenges by creating a centralized digital platform for tourism.

2.2 Introduction to Web Development

Web development refers to the process of building and maintaining websites and web applications. It involves both frontend (user interface) and backend (server-side logic) development.

Modern web development focuses on:

- . Responsive design
- . Fast performance
- . Interactive user experience
- . Scalability

Web applications have become essential because they allow users to access services from anywhere using a browser. For tourism platforms, web development plays a crucial role in delivering real-time information and services to users.

2.3 Technologies Used

The Discover Bangladesh system is built using modern web technologies that ensure performance, scalability, and user-friendly design.

2.3.1 Next.js

Next.js is a React-based framework used for building modern web applications. It provides features like server-side rendering and fast page loading.

Advantages:

- . High performance
- . SEO-friendly
- . Easy routing system
- . Scalable architecture

Next.js helps in creating a fast and efficient user experience.

2.3.2 TypeScript

TypeScript is a superset of JavaScript that adds static typing to the language.

Advantages:

- . Reduces errors
- . Improves code quality
- . Better code readability
- . Easier debugging
- . **Using TypeScript makes the application more reliable and maintainable.**

2.3.3 Tailwind CSS

Tailwind CSS is a utility-first CSS framework used for designing user interfaces.

Advantages:

- . Fast UI development
- . Responsive design
- . Customizable styling
- . Clean and modern look
- . It helps in building visually appealing and responsive layouts.

2.3.4 Redux Toolkit

Redux Toolkit is used for state management in the application.

Advantages:

- . Centralized state control
- . Predictable behavior
- . Easy debugging
- . Efficient data handling

It helps manage user data, bookings, and application states efficiently.

2.3.5 Framer Motion

Framer Motion is a library used for animations in web applications.

Advantages:

- . Smooth animations
- . Improved user experience
- . Interactive UI
- . It enhances the visual appeal of the system.

2.3.6 CountUp.js

CountUp.js is used for creating animated counters.

Advantages:

- . Engaging UI elements
- . Better data visualization

It helps display numbers in an attractive way.

- . Framer Motion → Adds animations
- . CountUp.js → Displays animated statistics

Together, these technologies create a powerful and efficient system.

CHAPTER 3

SYSTEM OVERVIEW

3.1 Overview of Discover Bangladesh

The Discover Bangladesh system is a web-based tourism platform designed to simplify travel planning and promote tourism across Bangladesh. It provides users with a centralized system where they can explore destinations, create personalized travel plans, book tour packages, and connect with service providers.

The system integrates multiple functionalities into a single platform, making it easier for users to access travel-related information and services. It also serves as a digital marketplace where local businesses can offer their services to tourists.

The main goal of this system is to enhance user experience by providing a smooth, fast, and responsive platform that works efficiently across all devices.

3.2 Key Features of the System

The Discover Bangladesh system offers several important features that improve the overall user experience and make travel planning easier.

3.2.1 Explore Destination

This feature allows users to explore different tourist destinations across Bangladesh. Users can view popular places from different divisions and districts, access detailed information about each destination, and explore attractions such as historical sites, natural locations, and cultural landmarks. This feature helps users gain knowledge about different places before planning their trip.

3.2.2 Trip Your Plan

The “Trip Your Plan” feature allows users to create customized travel plans based on their preferences. Users can select travel dates, choose destinations, set budgets, and organize their trip schedule. This feature provides flexibility and helps users plan trips according to their needs.

3.2.3 Tour Packages

The system provides ready-made tour packages for users who prefer pre-planned trips. Each package includes duration of the trip, cost of the package, and

description of services included. Users can easily browse and choose a package that suits their budget and time.

3.2.4 Booking System

The booking system allows users to book tour packages directly from the platform. It includes selecting packages, confirming bookings, and viewing booking details. This system simplifies the reservation process and saves time for users.

3.2.5 Partnership System

The platform allows businesses to join as partners and provide services to tourists. Partners can register on the platform, offer tour packages, and manage their services. This feature helps local businesses grow by connecting them with potential customers.

CHAPTER 4

SYSTEM ANALYSIS

4.2 Software Development Life Cycle (SDLC)

The Software Development Life Cycle (SDLC) is a structured process used to develop software systems in a systematic way. It ensures that the project is completed efficiently with high quality.

4.2.1 Planning

In the planning phase, the project idea is defined and the scope is determined. The main activities include identifying project goals, understanding user needs, and defining system scope. For this project, the goal was to develop a tourism platform that integrates multiple features into one system.

4.2.2 Requirement Gathering

This phase involves collecting all the requirements needed for the system. Functional requirements include allowing users to explore destinations, create trip plans, book packages, and enabling partners to provide services. Non-functional requirements include fast performance, responsive design, security, and usability.

4.2.3 System Design

In the system design phase, the overall architecture of the system is developed. This includes database design, UI/UX design, and system flow. The diagrams used in this phase are Use Case Diagram, ER Diagram, and Data Flow Diagram, which help in structuring the system clearly.

4.2.4 Implementation (Development)

This is the phase where the actual coding of the system is done. The technologies used include Next.js, TypeScript, Tailwind CSS, and Redux Toolkit. During this phase, all features such as destination exploration, trip planning, booking, and partnership management were developed.

4.2.5 Testing

Testing ensures that the system works correctly and is free from errors. Different types of testing are performed such as unit testing, integration testing, and system testing. This phase helps identify bugs and ensures system reliability before deployment.

4.2.6 Deployment

After successful testing, the system is deployed so that users can access it. Deployment makes the system available online and ready for real-world use.

4.2.7 Maintenance

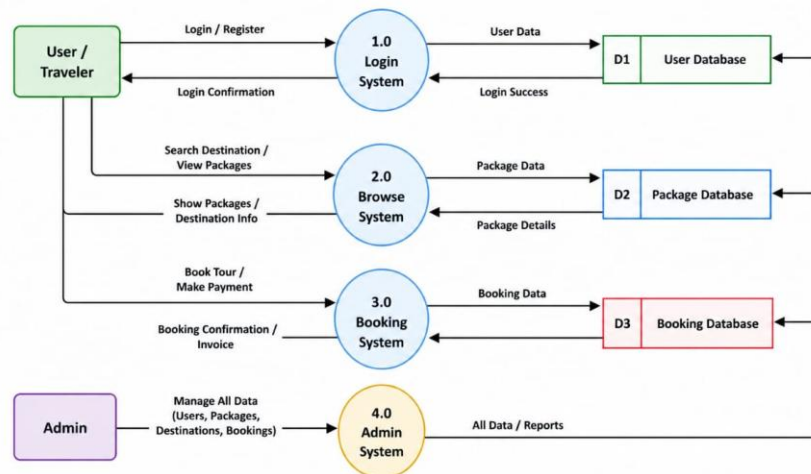
After deployment, the system requires continuous updates and improvements. This includes fixing bugs, adding new features, and improving performance to ensure long-term efficiency.

CHAPTER 5

GRAPHICAL REPRESENTATION

DATA FLOW DIAGRAM

DISCOVER BANGLADESH – DATA FLOW DIAGRAM



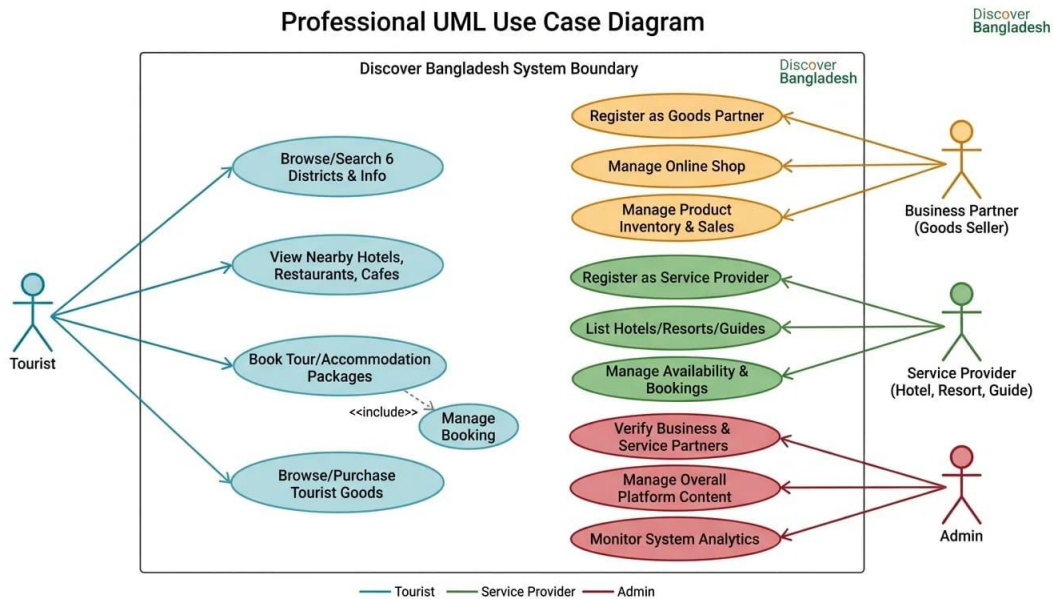
The system consists of two primary external entities: *User/Traveler* and *Admin*. The User interacts with the system through three main processes: **Login System (1.0), **Browse System (2.0), and **Booking System (3.0). Initially, the user performs registration or authentication via the Login System, where user credentials are validated against the **User Database (D1). After successful authentication, the user can search and view available destinations and tour packages through the Browse System, which retrieves relevant information from the **Package Database (D2)*.

Subsequently, the Booking System facilitates tour reservation and payment processing. All booking-related information, including transaction details, is stored in the *Booking Database (D3)*. Upon completion, the system generates booking confirmation and invoice outputs for the user.

On the other hand, the *Admin System (4.0)* functions as a centralized management component. It allows the administrator to manage users, tour packages, destinations, and booking records. Additionally, it accesses all associated databases to generate reports and ensure proper system maintenance and data consistency.

In summary, the DFD demonstrates a well-structured flow of data from input to processing and storage, ensuring efficient data handling, integrity, and seamless interaction between system components.

Use Case Diagram



System Boundary: Defines the scope of the "Discover Bangladesh" platform.

Actors: Identifies four key roles: Tourist (the end-user), Business Partner (seller), Service Provider (hotels/guides), and Admin (moderator).

Functionalities: Outlines specific actions like browsing districts, booking packages (which includes booking management), and administrative tasks like partner verification and system analytics.

2. ER Diagram (Database Structure):

Entities: Describes the main data objects like USER, LOGIN, BOOKING, PACKAGE, and PARTNERSHIP.

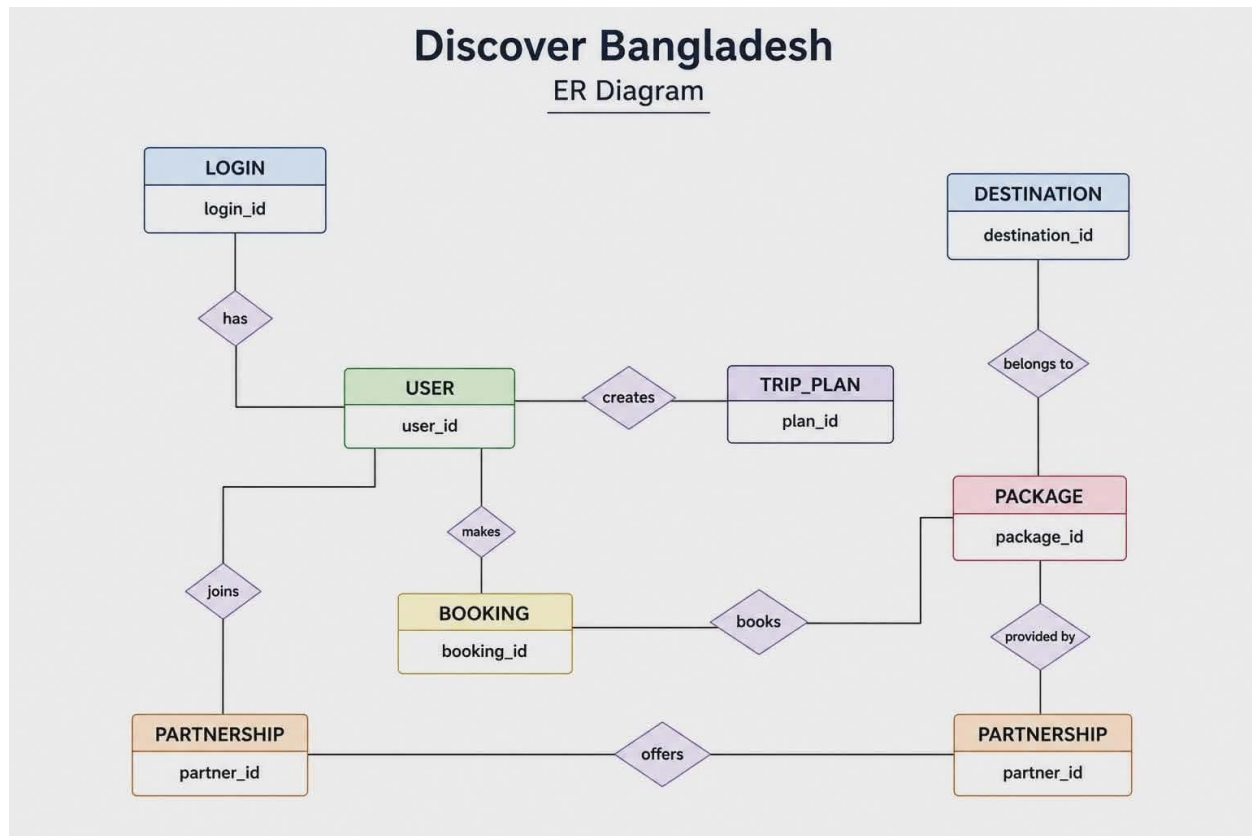
Relationships: * User Management: Links users to their login credentials and partnership status.

Planning & Booking: Connects users to the trip plans they create and the packages they book.

Provider Logic: Shows how partners provide specific packages linked to specific destinations.

Primary Keys: Identifies unique identifiers (like user_id, package_id) essential for database integrity.

ER DIAGRAM



1. Entities (Rectangular Boxes)

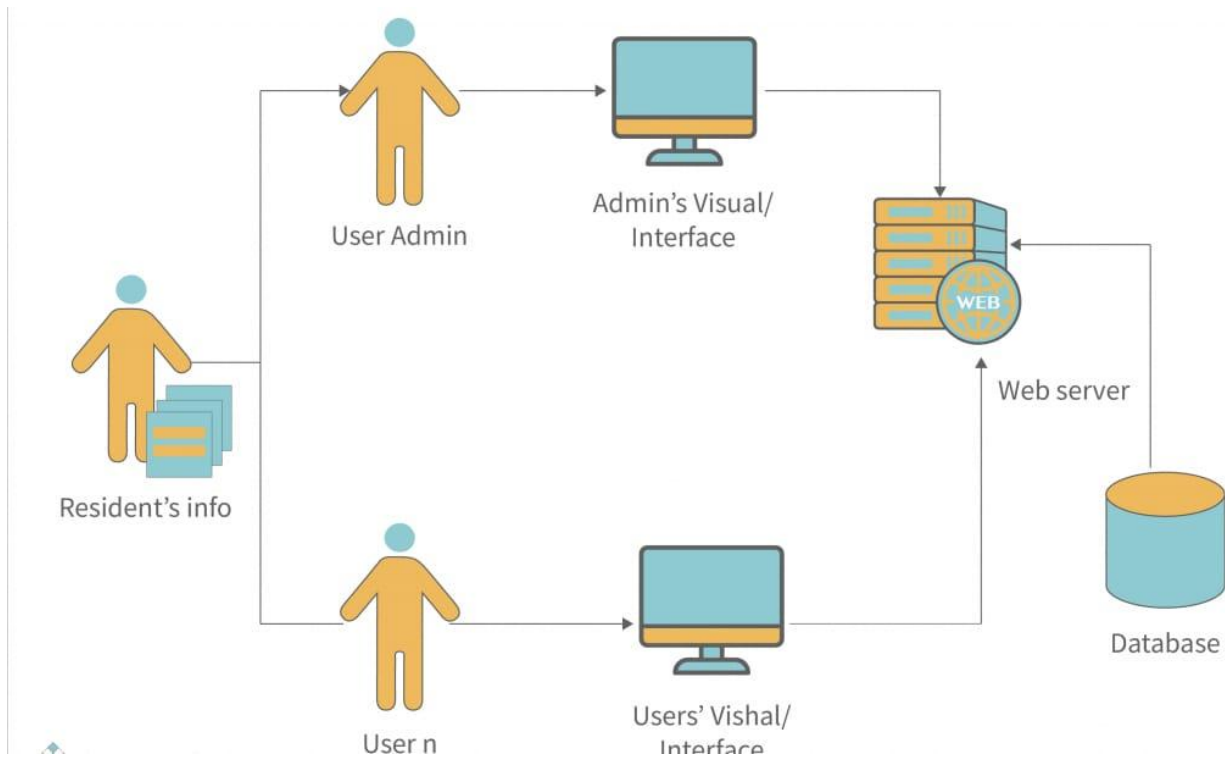
- . These represent the tables or objects that store data:
- . USER: Stores information about the person using the system (Primary Key: user_id).
- . LOGIN: Handles authentication details for the user (Primary Key: login_id).
- . TRIP_PLAN: Stores custom itineraries or plans created by a user.
- . BOOKING: Contains details regarding reservations made for specific tours.
- . PACKAGE: Represents pre-defined tour deals offered to users.
- . DESTINATION: Contains data about specific locations or tourist spots.
- . PARTNERSHIP: Represents service providers, such as hotels or transport agencies.

2. Relationships (Diamond Shapes)

These describe how the entities interact with one another:

- . USER has LOGIN: Connects a user to their specific login credentials.
- . USER creates TRIP_PLAN: A user can design their own travel itinerary.
- . USER makes BOOKING: The action of a user reserving a service.
- . USER joins PARTNERSHIP: Suggests users can register as partners or affiliates.
- . **BOOKING books PACKAGE:** Links a specific customer reservation to an available tour package.
- . **PACKAGE belongs to DESTINATION:** Assigns each tour package to a specific geographical location.
- . **PARTNERSHIP offers/provides PACKAGE:** Partners are responsible for creating or facilitating the packages

System Architecture Diagram



Components and Data Flow

1. Input Source (Resident's info)

The process begins with Resident's info.

This represents the raw data or physical documents containing information about individuals.

2. User Roles

The diagram splits the interaction into two primary pathways:

User Admin: This person likely manages, reviews, or authorizes the data. They interact with a specific Admin's Visual/Interface.

User n: This represents standard users or multiple staff members who input or access data. They use a standard Users' Visual/Interface.

3. The Technology Stack

Interfaces: Both admins and standard users use a visual interface (likely a web browser or a specific app) to interact with the system.

Web Server: Actions taken on the interfaces are sent to the Web server. This acts as the "brain," processing requests and directing traffic.

Database: The final destination for the information is the Database. The web server sends data here to be saved, or retrieves data from here to show to the users.

CHAPTER 6

TESTING & DEBUGGING

6.1 Introduction

Testing and debugging are important phases in software development that ensure the quality and reliability of a system. After developing the Discover Bangladesh website, it is necessary to check whether all features are working properly and meeting the required requirements. Testing is used to find errors or defects in the system, while debugging is the process of correcting those errors. This phase helps to ensure that the website is stable, user-friendly, and performs efficiently before it is made available for users.

6.2 Testing Methods

Different testing approaches were used to verify the functionality of the Discover Bangladesh website. At the initial stage, each individual part of the website was tested separately to confirm that every feature works correctly. After that, all the modules were combined and tested together to ensure proper interaction between different sections such as navigation, pages, and database connection.

The complete system was then tested as a whole to check whether it behaves correctly in a real environment. Usability testing was also carried out to make sure that users can easily navigate the website and understand the content without confusion. In addition, the website was tested on different web browsers to ensure that it performs consistently across platforms.

Input validation was also checked to make sure that users cannot enter incorrect or invalid data in forms or search fields.

6.3 Performance Testing

Performance testing was conducted to evaluate the speed, responsiveness, and stability of the website. The main purpose of this testing was to ensure that the website loads quickly and provides smooth navigation between pages.

It was observed that the website responds efficiently when users access different sections. Images and content were optimized to reduce loading time. The system was also tested under multiple requests to ensure that it does not slow down or crash when more users access it at the same time.

Overall, the website performs well in terms of speed and stability, providing a smooth user experience.

6.4 Bug Fixing

During the testing phase, some errors and technical issues were identified in the system. These included problems such as broken links, layout misalignment in some pages, and minor display issues with images and text.

The debugging process involved identifying the source of these problems, correcting the code, and improving the design where necessary. After fixing the issues, the affected parts of the system were tested again to ensure that the problems were completely resolved.

As a result of proper debugging, the website became more stable, accurate, and reliable. The overall performance and user experience were significantly improved.

CHAPTER 7

PROJECT OVERVIEW

7.1 System Design & Architecture

The Discover Bangladesh website is designed using a structured system architecture to ensure smooth functionality and easy maintenance. The system follows a simple client-server model where the user interacts with the website through a web browser (client side), and the system processes requests on the server side.

The website is divided into different modules such as home page, district information pages, historical places section, and contact section. Each module works independently but is connected to form a complete system. The database is used to store and retrieve information efficiently, ensuring dynamic content management and quick access to data.

7.2 Technology Stack

The development of the Discover Bangladesh website is based on modern web technologies that ensure performance, responsiveness, and scalability.

The front-end is developed using HTML for structure, CSS for styling, and JavaScript for interactivity. These technologies help create a responsive and user-friendly interface.

For the back-end, server-side scripting and database management are used to handle data storage and retrieval. A relational database system is used to store information about places, images, and descriptions.

Additionally, web development tools and frameworks may be used to improve efficiency and design quality during development.

7.3 Implementation Strategy

The implementation of the system was carried out in a step-by-step approach. First, the requirements of the system were analyzed to understand what features were needed. After that, the system design was prepared, including page layouts and database structure.

The development process was divided into smaller modules, and each module was developed separately. After completing individual modules, they were integrated into a complete system.

Testing was performed during and after implementation to ensure that each part of the system works correctly. Any errors found during this phase were fixed immediately to maintain system quality and stability.

7.4 UI/UX Design Overview

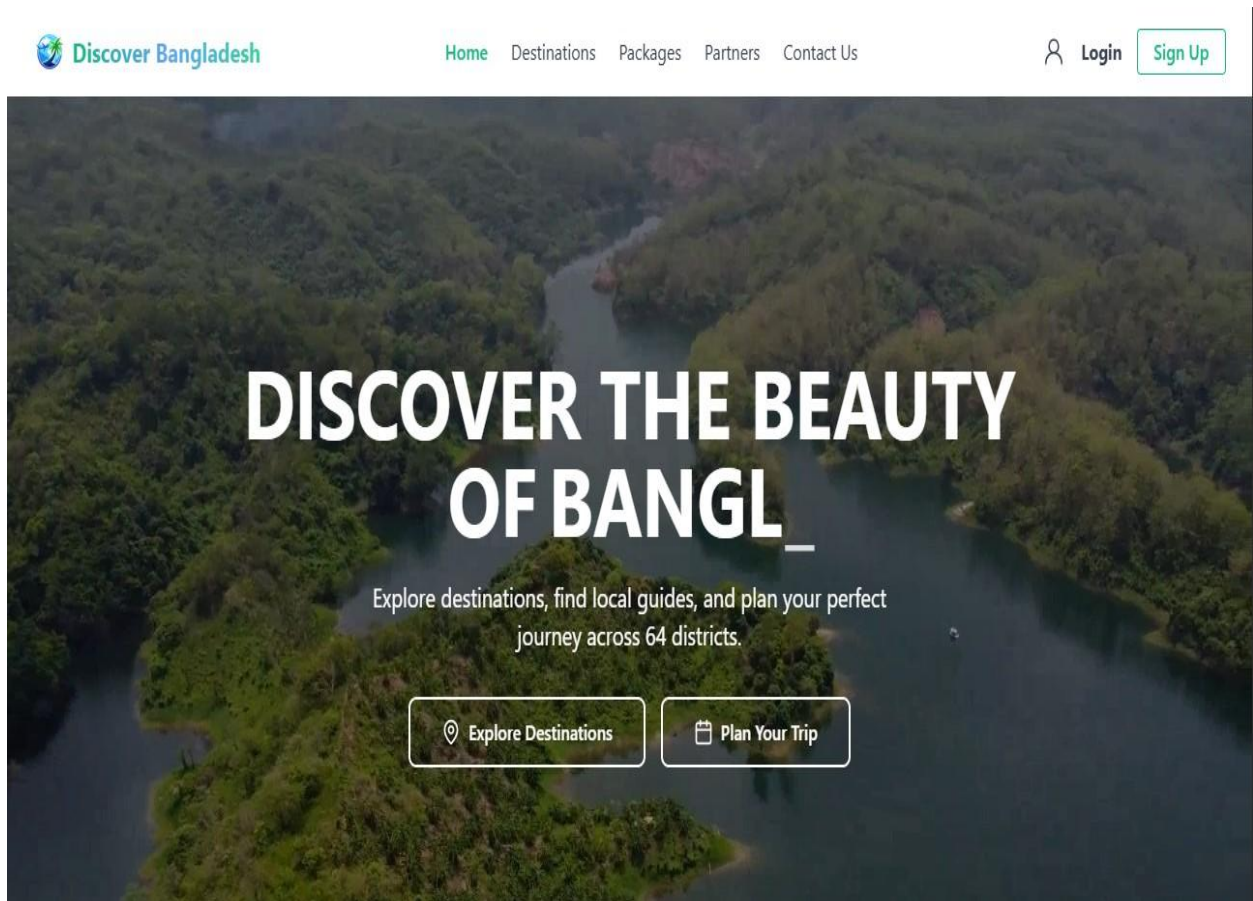
The user interface (UI) of the Discover Bangladesh website is designed to be simple, attractive, and easy to navigate. The layout is clean and well-organized so that users can easily find information about different places in Bangladesh.

The user experience (UX) focuses on making the website smooth and enjoyable to use. Navigation menus are placed clearly, and content is structured in a way that users can access information without confusion.

Colors, images, and fonts are selected carefully to make the website visually appealing while maintaining readability. The design is also responsive, ensuring that it works properly on mobile phones, tablets, and desktop devices. Overall, the UI/UX design enhances user satisfaction and improves the overall usability of the website.

7.5 Overview

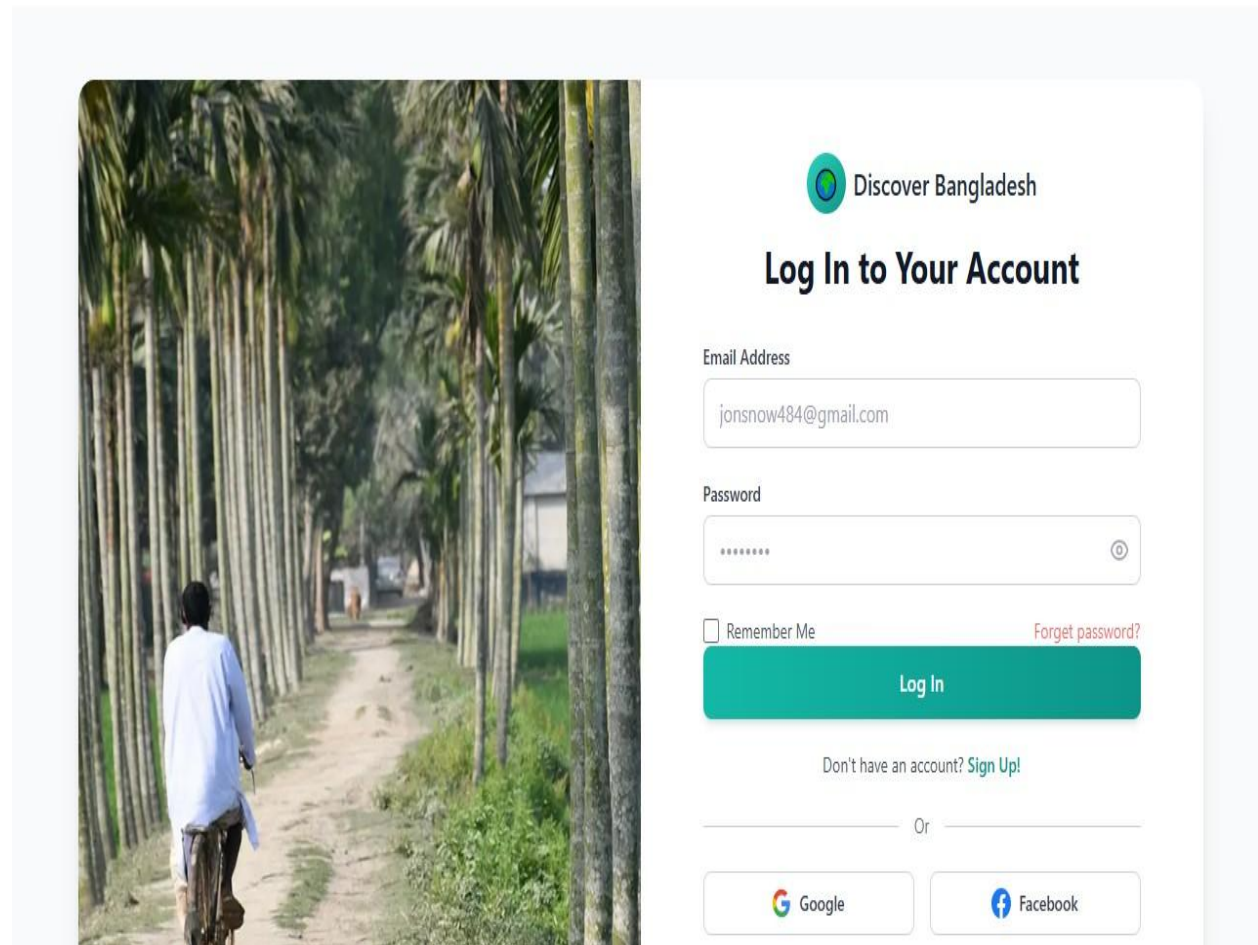
Home Page



A travel platform titled "Discover Bangladesh" that invites users to explore scenic destinations and plan trips across all 64 districts. The top navigation bar provides quick access to destinations, packages, partner information, and user account options like "Login" and "Sign Up". Centered over a lush landscape background, the page highlights core services—finding local guides and exploring destinations—through prominent "Explore Destinations" and "Plan Your Trip" buttons.

7.6 Log In

Hamnat-Probetest.de



This image showcases the Community and Authentication features of the Discover Bangladesh platform. It includes a Social Connect section that encourages users to join their global community across multiple platforms like Instagram, Facebook, and YouTube for travel inspiration and updates. Additionally, it features a clean, user-friendly Login Page that allows travelers to access their accounts via email or social media integration (Google and Facebook), ensuring a seamless and secure entry to the platform.

7.7 Sing Up

Hamnat-Probetest.de



Discover Bangladesh

Create Your Account

First Name Last Name

Email address

Password 

Confirm Password 

This is the sign-up page for the "Discover Bangladesh" platform, where new users can create an account by providing their name, email, and password. The interface is split into two sections: a registration form on the right and a vibrant cultural image of people in traditional boats on the left. Once the required details are entered, users can complete the process by clicking the prominent "Sign Up" button.

7.8 Plan Your Trip

[Home](#) [Destinations](#) [Packages](#) [Partners](#) [Contact Us](#) [Login](#) [Sign Up](#)

Plan Your Perfect Trip

Create your personalized travel plan with local insights, guided routes, and exclusive tour packages.

From

From

▼

To

To

▼

Departure Date

📅

Select Date

Return Date

📅

Select

Search

This page is designed to help users easily plan their travel within Bangladesh. It provides a simple and interactive interface where users can select their starting location, destination, departure date, and return date. Based on these inputs, the system can suggest personalized travel plans, routes, and available tour packages. The clean layout and search functionality make it user-friendly, allowing travelers to quickly organize their trips with minimal effort. Additionally, it enhances the overall user experience by combining convenience with customization for better travel planning.

7.9 Partnership Account 1

Discover Bangladesh

Home Destinations Packages Partners Contact Us

Login Sign Up

← Back

Step 1 of 3

Create Your Account

Register as a Hotel/Resort partner

Contact Person Name *

Enter your full name

Email Address *

your.email@example.com

Phone Number *

+880 1234-567890

Password *

Minimum 8 characters

Confirm Password *

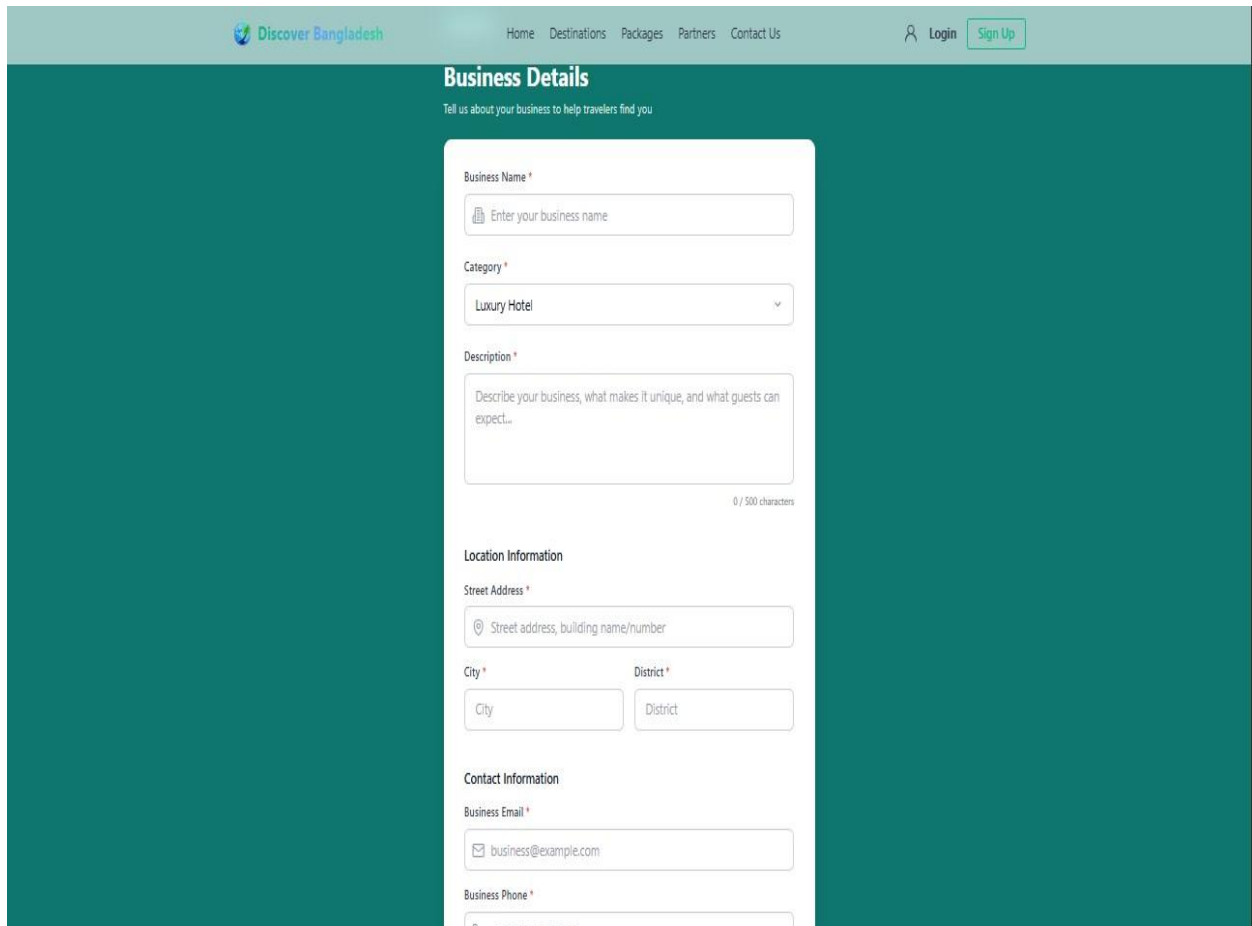
Re-enter your password

☐ I agree to the Terms of Service and Privacy Policy

Continue to Business Details →

Partner Registration - Step 1: This page is the first step for businesses to register as a Hotel or Resort partner on the platform. It collects essential contact information, including the contact person's name, email, phone number, and a secure password.

7.10 Partnership Account 2



The screenshot shows the 'Business Details' form on the Discover Bangladesh website. The form is set against a teal background. At the top, the website's navigation bar includes the logo, links for Home, Destinations, Packages, Partners, and Contact Us, and user options for Login and Sign Up. The form itself is a white card with the following sections:

- Business Name ***: A text input field with a placeholder 'Enter your business name'.
- Category ***: A dropdown menu currently showing 'Luxury Hotel'.
- Description ***: A large text area with a placeholder 'Describe your business, what makes it unique, and what guests can expect...'. A character count '0 / 500 characters' is visible at the bottom right of the field.
- Location Information**:
 - Street Address ***: A text input field with a placeholder 'Street address, building name/humber'.
 - City *** and **District ***: Two separate text input fields with placeholders 'City' and 'District'.
- Contact Information**:
 - Business Email ***: A text input field with a placeholder 'business@example.com'.
 - Business Phone ***: A partially visible text input field at the bottom.

Business Details - Step 2: In this second stage, partners provide specific information about their business. This includes the business name, category (such as "Luxury Hotel"), a descriptive overview, the physical address, and official contact details..

7.11 Partnership Account 3

The screenshot shows the 'Property Details' form in the Discover Bangladesh app. The form is titled 'Property Details' and includes a subtitle 'Showcase your property with images, amenities, and pricing'. It is divided into three main sections: 'Property Images', 'Capacity', and 'Amenities & Features'.

Property Images *
Add up to 10 high-quality images of your property

Drag & drop images or click to upload
(Max 10 images, JPG, PNG up to 5MB each)

Upload Images Add Image URL Use Sample Images

Capacity

Number of Rooms * Maximum Guests *

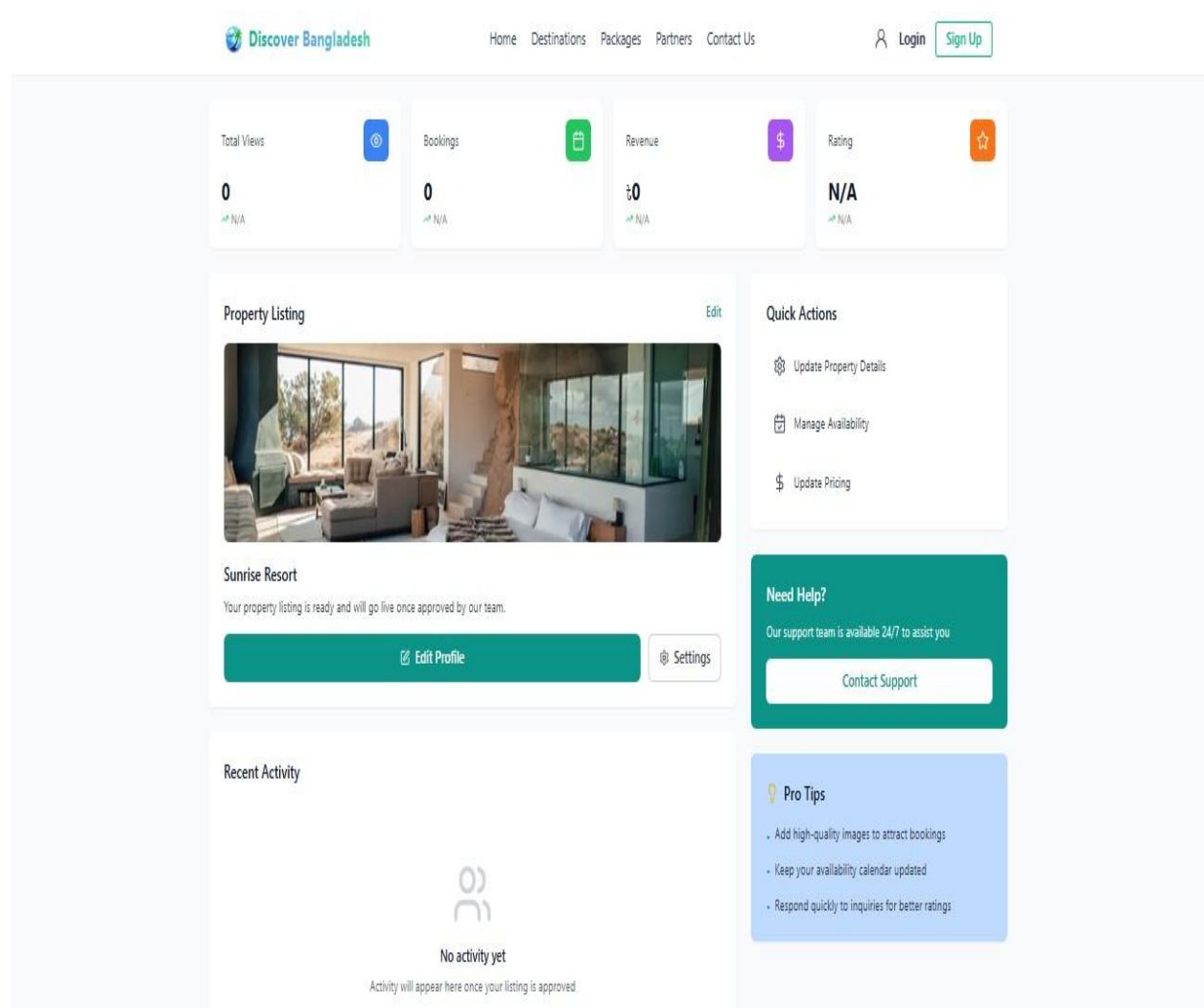
20 50

Amenities & Features *
Select all amenities available at your property

Wi-Fi Swimming Pool Restaurant Spa & Wellness
Parking Gym/Fitness Center Room Service Air Conditioning

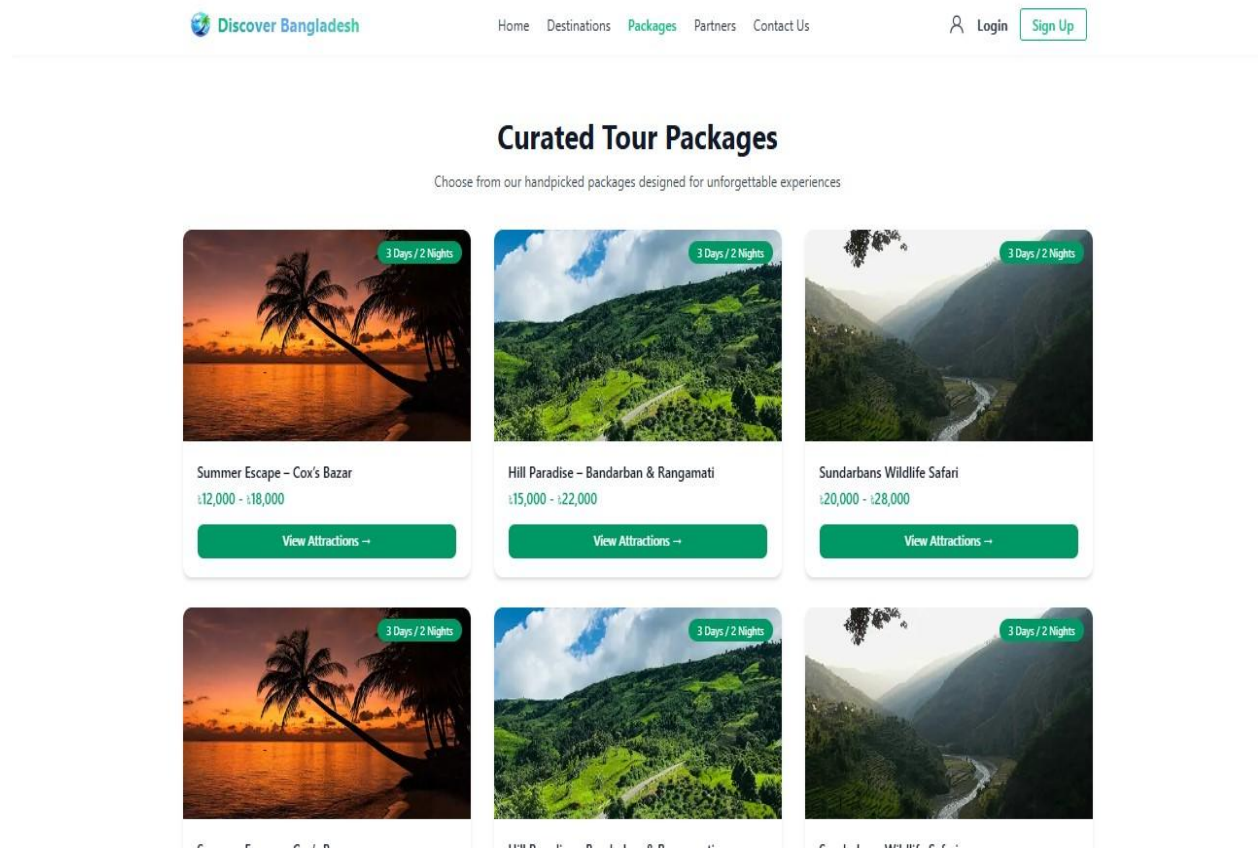
The image represents the **Input phase of the DiO framework**. In this phase, the hotel owner provides essential property data including property images (up to 10), number of rooms (20), maximum guest capacity (50), and selected amenities such as Wi-Fi, swimming pool, restaurant, and parking. This user-supplied input serves as the raw data that the system will later process to generate performance outputs.

7.12 Partnership Account 4



The image represents the **Output phase of the DiO framework**. After receiving the input data, the system processes it and displays key business metrics on the dashboard. These outputs include total views (0), total bookings (0), total revenue (\$0), and a rating score (17). The dashboard also shows the property listing status and recent activity. This output helps hotel owners track their performance and make informed decisions.

7.13 Packegs



These images represent the User Interface (UI) of a comprehensive Travel and Tourism Management System. The system features a Property Management module for partners to list accommodation details such as room capacity and amenities. Additionally, it includes a Tour Package marketplace that displays curated travel deals with destination-specific pricing and durations for tourists. Overall, the platform serves as an integrated digital solution for connecting service providers with travelers.

7.14 Packages¹

Discover Bangladesh

Home

Destinations

Packages

Partners

Contact Us

Login

Sign Up

← Back to Package Details

Book Your Trip

Complete the form below to reserve your spot

Travel Details

Preferred Start Date *

mm/dd/yyyy

Number of Travelers *

2 Persons

Contact Information

Full Name *

Enter your full name

Email Address *

your@email.com

Phone Number *

+880 1234-567890

Address *

Your full address

Special Requests

Any dietary restrictions, accessibility needs, or other requests?

Tell us about any special requirements...

Booking Summary

Hill Paradise - Bandarban & Rangamati

3 Days / 2 Nights

Start Date:

Not selected

Travelers:

2 Persons

Price per person:

:15,000

Total Price:

:30,000

Note: This is an estimated price. Final price will be confirmed after we review your booking details.

This image displays the Booking Module of the Discover Bangladesh platform, specifically designed for users to reserve travel packages. It includes a detailed Travel Form to capture essential information such as preferred dates, traveler count, and contact details. Furthermore, it features a Booking Summary sidebar that provides a real-time price breakdown and package overview to ensure a transparent user experience.

7.15 Packegs2

Discover Bangladesh

[Home](#) [Destinations](#) [Packages](#) [Partners](#) [Contact Us](#)

[Login](#) [Sign Up](#)

Hill Paradise - Bandarban & Rangamati

Discover the mountains and lakes

🕒 3 Days / 2 Nights 🏠 Moderate 📅 Next: October to February

Overview

Journey through Bangladesh's most scenic hill stations. Experience majestic mountains, serene lakes, indigenous culture, and panoramic valley views.

Tour Highlights

- ✓ Visit Nilgiri hills for cloud views
- ✓ Boat tour in Kaptai Lake
- ✓ Explore tribal villages
- ✓ Golden Temple visit
- ✓ Hanging Bridge experience

Day-by-Day Itinerary

1

Bandarban Arrival & Nilgiri

- Early morning departure from Dhaka
- Arrive in Bandarban
- Check-in at resort
- Lunch at resort
- Visit Nilgiri hills
- Cloud view and photography
- Return to resort
- Bonfire dinner

Starting from

৳10,000 - ৳12,000

Per person

🕒 3 Days / 2 Nights

👤 Min 2 persons

🔧 Moderate difficulty

📅 Best: October to February

Book This Package

Contact Us for Custom Trip

Need help? Call us at
+880 1234-567890

What's Included & Excluded

- ✓ Inclusions
- ✓ AC transportation throughout
- ✓ 2 nights accommodation (3/4 variations)
- ✓ Daily breakfast and dinner

This image showcases the Tour Detail Page of the Discover Bangladesh platform, specifically for the "Hill Paradise" package. It provides a comprehensive overview of the trip, including a day-by-day itinerary and a list of tour highlights such as Nilgiri hills and Kaptai Lake. The page features a booking sidebar that displays the price (starting from ৳10,000), trip duration, and a "Book This Package" button for quick reservations. Additionally, it clearly lists inclusions, such as AC transportation and accommodation, to help travelers understand exactly what they are paying for.

7.16 Join Community

Discover Bangladesh Home Destinations Packages Partners Contact Us Login Sign Up

Follow Our Journey

Join our community and share your travel experiences

- 250K+ Followers
- 100+ Platforms
- Daily Updates

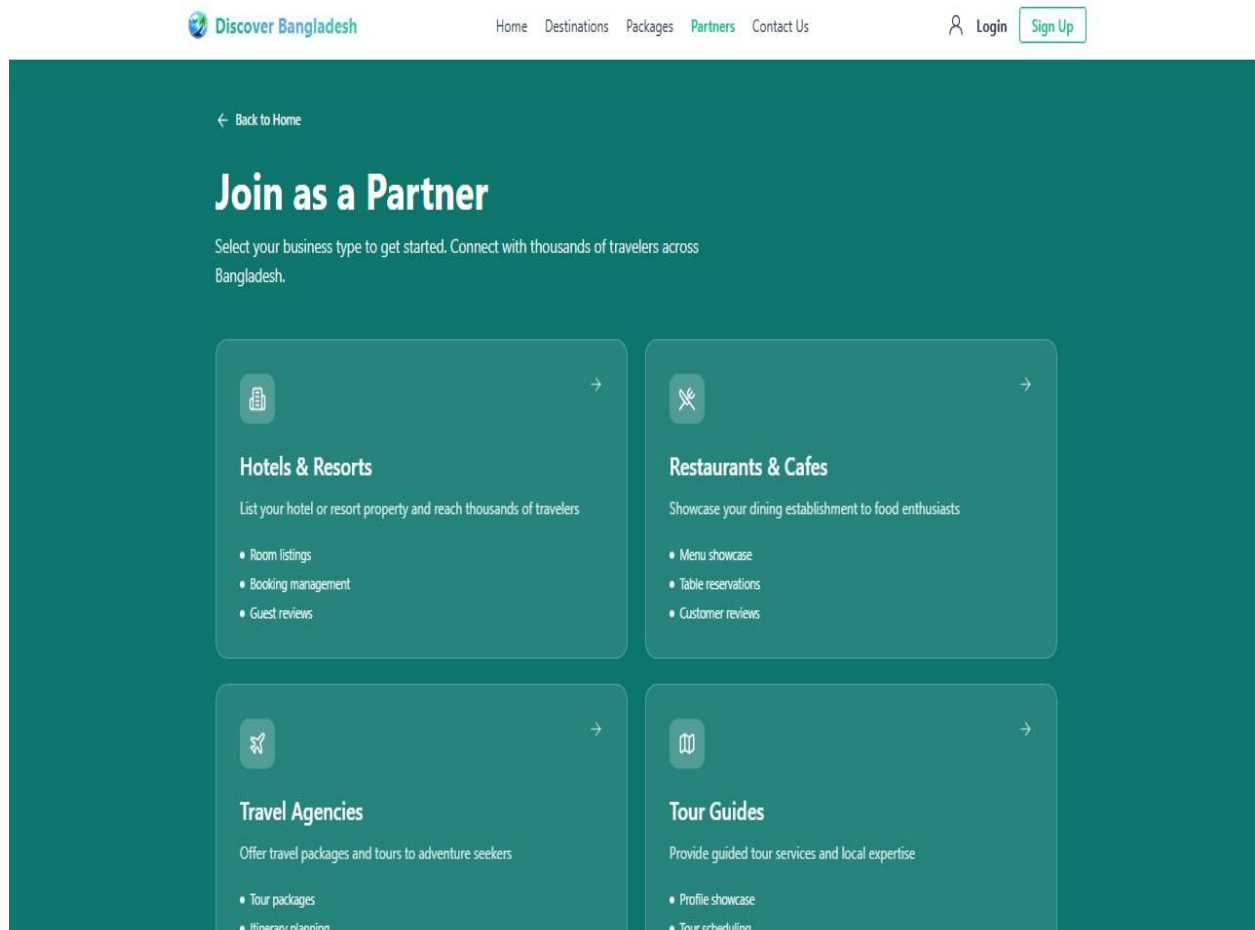
Connect With Us

Choose your favorite platform and become part of our global community

Platform	Followers	Handle	Description	Action
Instagram	25M+	@triplink	Daily travel inspiration, guide stories, and behind-the-scenes highlights	Follow Now →
Facebook	15M+	TripLink	Travel tips, updates, events, and community conversations	Follow Now →
Twitter	8M+	@triplink	Get real-time tips, industry news, and quick highlights	Follow Now →
LinkedIn	4M+	TripLink	Professional networking for guides and industry updates	Follow Now →
YouTube	10M+	TripLink TV	Get in-depth guide tutorials, destination highlights, and documentaries	Follow Now →
WhatsApp	12K Members	Community Group	Join our WhatsApp community for real-time updates and discussions	Follow Now →

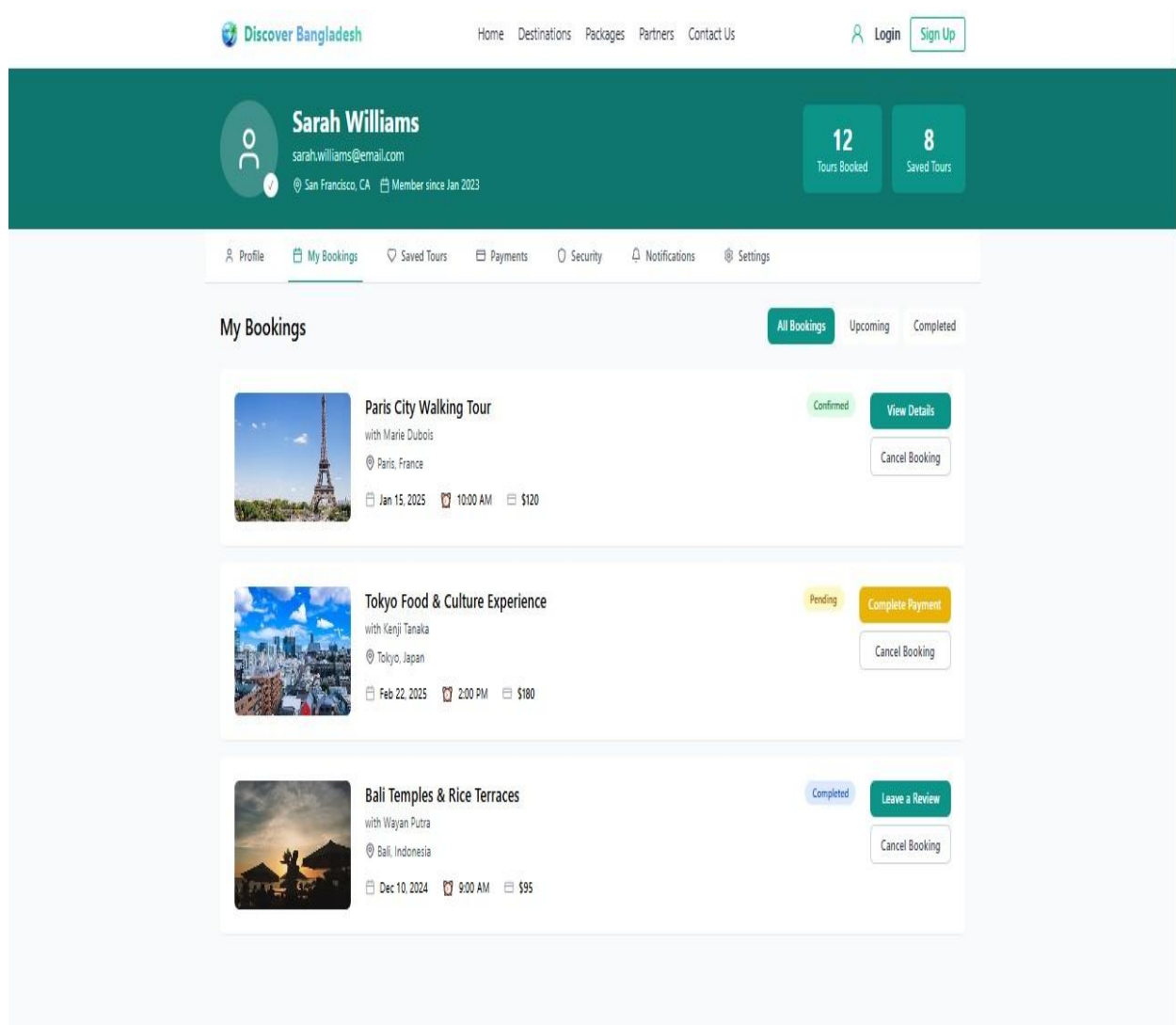
the Community Engagement section of the Discover Bangladesh website. This page is designed to build a global network by inviting users to "Follow Our Journey" and share their travel experiences. It features direct links to various social media platforms—such as Instagram, Facebook, Twitter, LinkedIn, YouTube, and WhatsApp—allowing travelers to stay updated with real-time tips, guide stories, and community discussions.

7.17 Join As Partner



This image shows the partnership registration page for a travel platform called "Discover Bangladesh". It features a grid of cards allowing businesses like hotels, restaurants, travel agencies, and tour guides to select their category and join the network. The design uses a clean, teal-colored layout with clear bullet points highlighting the specific features and benefits for each partner type.

7.18 Booking



The image shows a user dashboard for a travel platform called Discover Bangladesh, specifically focusing on a member's "My Bookings" section. This interface displays a summary of a user's travel history, including tours in Paris, Tokyo, and Bali, along with their booking status like confirmed, pending, or completed. It also provides quick actions for the user, such as viewing details, completing payments, or leaving reviews for their past trips.

7.19 Contact Us



HomeDestinationsPackagesPartnersContact Us

LoginSign Up

We're Here to Help

Have questions? We'd love to hear from you. Send us a message and we'll respond as soon as possible.

Get Started

Live Chat



Visit Us
123 Business Avenue Suite,
Dhaka, Bangladesh



Call Us
+880 123-456-789



Email Us
info@triptraveling.com



Working Hours
Mon - Sat: 9:00 AM - 6:00 PM

Send Us a Message

Your Name

John Doe

Email Address

johndoe@example.com

Subject

How can we help?

Message

Contact Departments

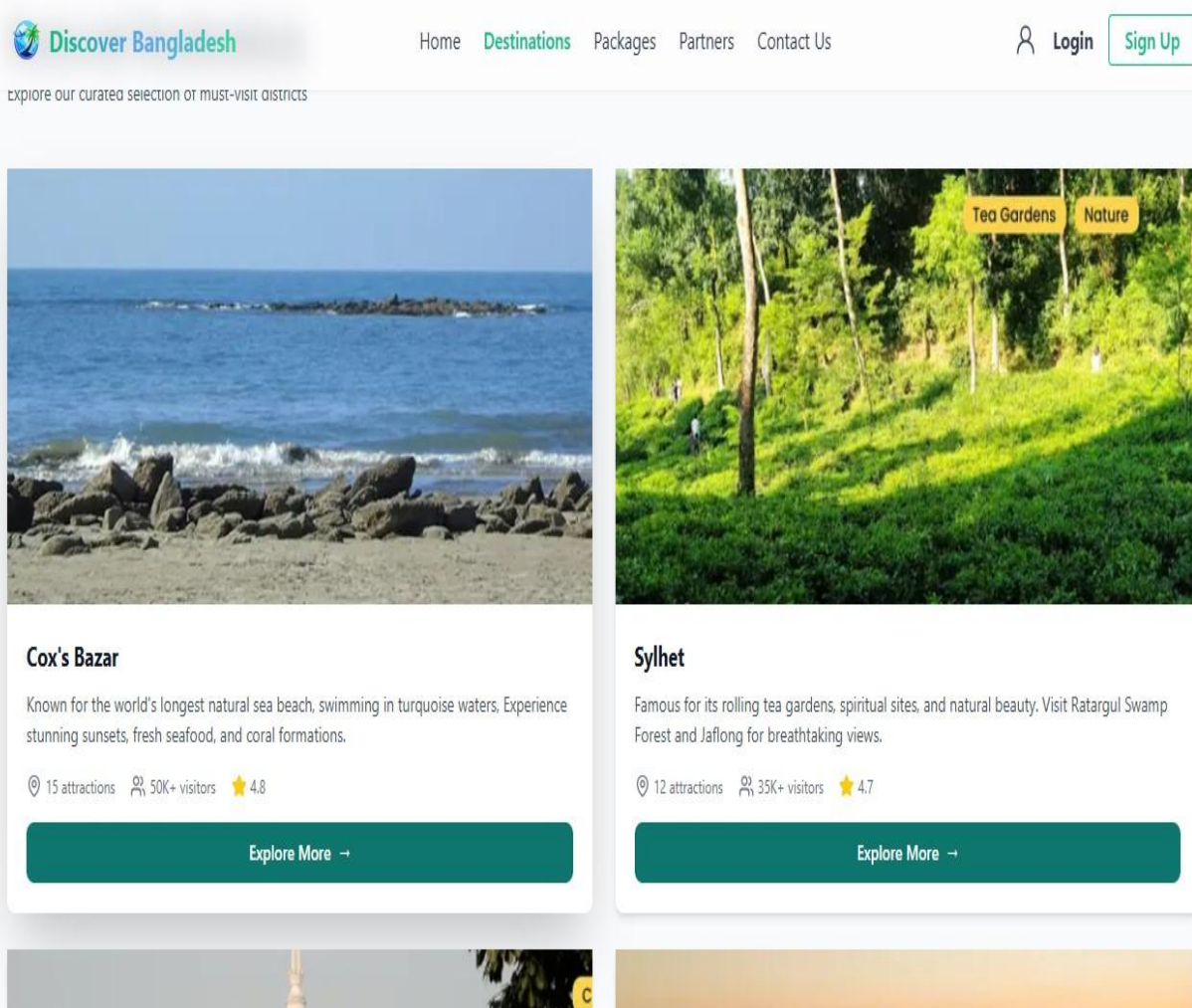
Customer Support
Get help with bookings and inquiries
 support@triptraveling.com

Business Partnership
Collaborate with us
 partnership@triptraveling.com

Marketing & PR
Media and press inquiries
 marketing@triptraveling.com

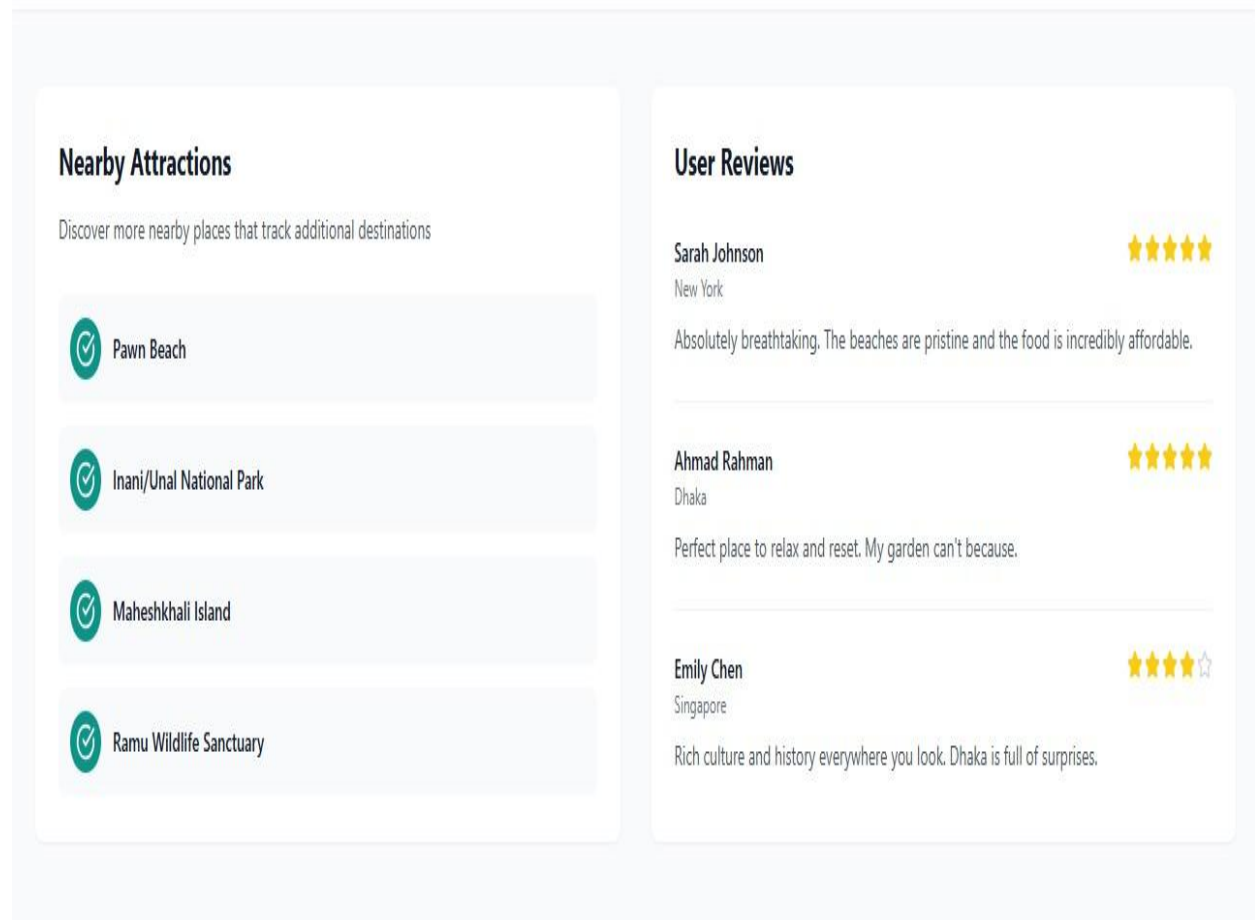
the "Contact Us" page for the Discover Bangladesh platform, providing multiple ways for users to get in touch. It features key contact information like an office address in Dhaka, a phone number, and support emails, alongside a "Send Us a Message" form for direct inquiries. The page is organized into clear sections for customer support, business partnerships, and marketing to ensure users reach the correct department efficiently.

7.20 Destination 1



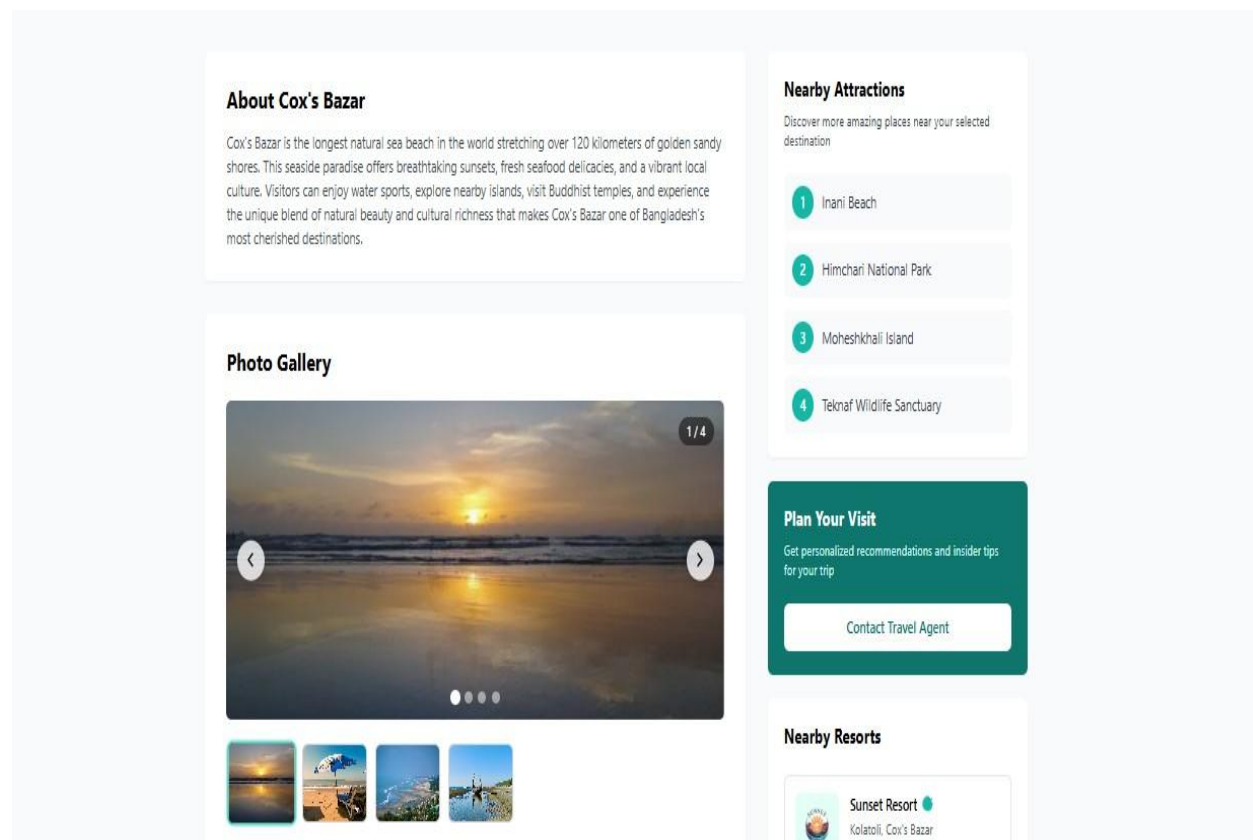
This is the main destinations page of the “Discover Bangladesh” tourism website, where users can explore popular travel locations across the country such as Cox’s Bazar and Sylhet. Each destination is presented in a card format with an image, short description, number of attractions, visitor statistics, and ratings. The page is designed to give users a quick overview of different places and help them compare options easily. The “Explore More” button allows users to navigate to a detailed page for each destination, making the browsing experience simple and user-friendly.

7.21 Destination 2



A travel information interface divided into two main sections: "Nearby Attractions" and "User Reviews". The left side lists local landmarks such as Pawn Beach and Maheshkhali Island, while the right side showcases positive feedback and star ratings from international and local travelers.

7.22 Destination 3



This is a detailed information page dedicated to Cox's Bazar, the world's longest natural sea beach. It includes a descriptive overview highlighting its natural beauty, cultural significance, and popular activities. The page also features a photo gallery that allows users to view multiple images of the location. Additionally, there is a section for nearby attractions such as Inani Beach and Himchari National Park, along with nearby resort options. A "Plan Your Visit" section enables users to get travel recommendations or contact a travel agent, making it easier to organize their trip directly from the platform.

CHAPTER 8

RESULT AND DISCUSSION

8.1 System Result

The Discover Bangladesh system has been successfully developed and implemented as a web-based tourism platform. The system includes the core functionalities such as destination exploration, trip planning, package viewing, booking process, and partnership module.

The implementation of these features demonstrates that the system meets its primary objectives and provides a centralized platform for tourism-related services.

8.2 Output Analysis

The outputs generated by the system are structured and relevant to user input. The destination module presents organized information about different locations, while the trip planning feature generates results based on selected inputs such as travel preferences.

The package and booking modules display consistent and meaningful outputs, ensuring that users can understand and interact with the system effectively.

8.3 Performance Evaluation

The system performance has been evaluated through functional testing and observation during development. The results indicate that the application performs efficiently under standard conditions. Page loading time is satisfactory, and navigation between different sections is smooth. The system responds appropriately to user actions, which indicates a stable implementation.

8.4 System Evaluation

Since the system is newly developed, the evaluation is primarily based on internal testing rather than real-world user feedback. The system has been tested for usability, functionality, and performance.

The evaluation shows that the system is capable of performing all intended operations and provides a user-friendly experience. However, further evaluation with real users can provide more insights in the future.

8.7 Future Recommendation

To enhance the system, several improvements can be considered in future development. Integration of an online payment gateway would allow secure and complete transactions within the platform.

The addition of real-time data updates can improve the accuracy and reliability of the system. Developing a mobile application can increase accessibility and user engagement.

Further enhancements such as user reviews, rating systems, and intelligent recommendations can significantly improve the overall functionality and user experience.

CHAPTER 9

DATABASE DESIGN

10.1 Purpose of Database Design

The purpose of database design in the Discover Bangladesh project is to organize and manage data in a structured and efficient way. It ensures that all information related to users, destinations, travel plans, packages, bookings, and partnerships is stored properly and can be accessed easily when required.

A well-designed database helps reduce data redundancy and prevents inconsistency. It also improves system performance by enabling faster data retrieval and processing. In this project, the database plays a key role in supporting various functionalities such as storing user activities, managing bookings, and maintaining service information.

10.2 Data Organization

The data in the Discover Bangladesh system is organized into multiple entities, where each entity represents a specific part of the system. These entities are connected to each other to maintain relationships and ensure smooth data flow.

The main entities include User, Login, Trip Plan, Destination, Package, Booking, and Partnership. Each entity contains specific information relevant to its function. This structured approach helps in managing large amounts of data efficiently and ensures that the system remains organized.

10.3 Entity Description

Each entity in the database serves a specific purpose within the system.

The Login entity manages user authentication and ensures that only authorized users can access the system. The User entity represents the individuals who interact with the platform and is connected with other entities such as Trip Plan and Booking.

The Trip Plan entity allows users to create and manage their travel plans based on their preferences. The Destination entity stores information about different tourist locations, helping users explore various places.

The Package entity contains details about pre-designed travel packages offered by the system. The Booking entity records user reservations and connects users with selected packages.

The Partnership entity represents service providers who join the platform and offer their services. These entities together form the core structure of the database.

10.4 Relationship Between Entities

The entities in the system are connected through relationships that define how data is linked together.

Users are connected with trip plans and bookings, as they can create plans and make reservations. Packages are linked with destinations, as each package is associated with a specific location.

The partnership entity is related to packages because service providers offer these packages to users. These relationships ensure that the system maintains proper data flow and consistency.

10.5 Database Design Approach

The database design follows a structured approach that includes identifying entities, defining relationships, and organizing data logically.

Normalization techniques are used to reduce redundancy and maintain consistency. This ensures that each piece of data is stored in the correct place without duplication.

The design also focuses on scalability, allowing the system to grow and adapt to future requirements without major changes.

10.6 Data Integrity and Security

Maintaining data integrity and security is essential for the system. The database ensures that all stored data is accurate and consistent.

Validation methods are used to check user input and prevent incorrect data entry. Access control mechanisms are implemented to protect sensitive information from unauthorized access.

These measures help maintain the reliability and security of the system.

10.7 Advantages of the Database Design

The database design offers several advantages, including efficient data storage and quick retrieval. It improves system performance and ensures smooth communication between different components.

The structured organization reduces errors and enhances data consistency. It also supports scalability, making the system adaptable to future growth.

CHAPTER 10

CONCLUSION & FUTURE SCOPE

8.1 Conclusion

The Discover Bangladesh project has been successfully developed as a web-based tourism platform with the aim of providing users an easy and convenient way to explore the beauty, culture, and tourist destinations of Bangladesh. The system allows users to access detailed information about various travel locations, plan their journeys, and in some cases book travel packages through a centralized platform.

The website is designed to be simple, responsive, and user-friendly so that users with different levels of technical knowledge can easily navigate and use its features. All the sections of the system are properly organized, which helps users quickly find relevant information without confusion. The project also improves the traditional travel planning process by making it faster, more efficient, and more accessible through digital technology.

Overall, the Discover Bangladesh project successfully fulfills its main objective of creating an informative and interactive tourism platform. It helps promote tourism in Bangladesh by encouraging both local and international users to explore the

country's natural beauty, historical places, and cultural heritage in a more modern and convenient way.

8.2 Future Scope

The Discover Bangladesh system has strong potential for future enhancement and expansion. In future development, several advanced features can be added to improve the overall functionality and user experience of the platform.

One important improvement is the integration of an online payment system, which will allow users to book travel packages and make secure payments directly through the website. This will make the system more practical and closer to a complete e-tourism solution.

A mobile application version of the platform can also be developed to increase accessibility, allowing users to access services anytime and anywhere using smartphones. This will significantly enhance user convenience and engagement.

Moreover, advanced features such as real-time travel updates, availability of hotels and transport services, and live booking status can be included to make the system more dynamic and interactive. A user review and rating system can also be added so that travelers can share their experiences and help others make better travel decisions.

In addition, artificial intelligence (AI)-based recommendation systems can be introduced to suggest tourist destinations based on user preferences, search history, and interests. Features like virtual tours and interactive maps can further enhance user engagement and provide a more realistic travel experience.

With these improvements, the Discover Bangladesh platform can be transformed into a more advanced, intelligent, and comprehensive tourism management system in the future.

8.3 Limitations

Although the Discover Bangladesh system provides useful features and functions effectively, it still has some limitations that can be improved in future versions.

One of the main limitations is that the system currently contains limited data about tourist destinations, which may not cover all places in Bangladesh. As a result, users may not find complete information about every location.

The system also lacks advanced dynamic features such as real-time updates for bookings, availability, and travel conditions. This reduces its capability as a fully automated tourism management platform.

Another limitation is the absence of an online payment gateway, which restricts users from completing transactions directly through the website. At present, the system mainly focuses on information sharing rather than full transaction processing.

Additionally, the platform depends on a stable internet connection, which may create difficulties for users in areas with poor connectivity. The system design is also relatively basic and can be further improved in terms of performance, security, and visual presentation.

Despite these limitations, the system provides a strong foundation for a tourism-based web application and can be significantly enhanced in future development stages

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