

TOURISM MANAGEMENT SYSTEM

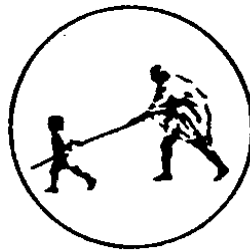
By

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Under the Guidance

of

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Mahatma Gandhi Mission's College of Engineering, Nanded (M.S.)

Academic Year 2025-26

A Project Report on

TOURISM MANAGEMENT SYSTEM

Submitted to

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LONERE**

in partial fulfillment of the requirement for the degree of

**BACHELOR OF TECHNOLOGY
in
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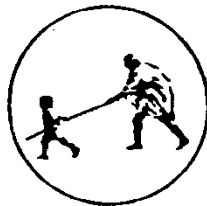
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(M.S.)**

Academic Year 2025-26

Certificate



This is to certify that the project entitled

“Movie Ticket Booking System”

being submitted by Ms. Kasralikar Mrudula Mohanrao to the Dr. Babasaheb Ambedkar Technological University, Lonere, for the award of the degree of Bachelor of Technology in Computer Science and Engineering, is a record of bonafide work carried out by him/her under my supervision and guidance. The matter contained in this report has not been submitted to any other university or institute for the award of any degree.

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With Deep Reverence,

Kasralikar Mrudula Mohanrao

[TY-CSE-A]

ABSTRACT

The Tourism Management System Website is an online platform developed to make travel planning and tourism services easy, fast, and organized. This system helps tourists, travel agencies, and administrators manage all tourism-related activities in one place. It reduces manual work and replaces it with a simple digital process. Through this website, users can view different tour packages with complete details such as destination, price, duration, and facilities provided. Tourists can register on the website, log in securely, and book their desired tour packages online. This saves time and avoids the need to visit travel offices physically. Users can also check their booking status and manage their personal details easily.

For travel agencies and administrators, the system helps manage tour packages, customer information, and bookings efficiently. Admins can add new tour packages, update existing ones, view all bookings, and manage customer data. This improves accuracy, reduces paperwork, and ensures better service management.

TABLE OF CONTENTS

Acknowledgement	I
Abstract	II
Table of Contents	III
List of Figures	IV
List of Tables	V
Chapter 1. INTRODUCTION	1
Chapter 2. SYSTEM OVERVIEW	3
Chapter 3. DATABASE DESIGN	5
3.1 Admin Table	5
3.2 User Table	6
3.3 Contact Table	6
3.4 Booking Table	7
Chapter 4. SYSTEM IMPLEMENTATION	9
4.1 Signup page	9
4.2 Signin page	10
4.3 Homepage	11
4.4 Contactus Page	12
4.5 Tour packages Page	13
4.6 Booking Page	14
4.7 Payment receipt page	15
Chapter 5. SYSTEM REQUIREMENT	17
5.1 Hardware Requirement	17
5.2 Software Requirement	18
Chapter 6. USER REQUIREMENT	19
6.1 Customer Requirement	19
6.2 Administrator Requirement	20
Chapter 7. TECHNOLOGY USED	21
CONCLUSION	23
REFERENCES	24

List of Figures

Figure No.	Name of Figure	Page No.
4.1	Signup page	10
4.2	Signin page	11
4.3	Homepage	12
4.4	Contactus Page	13
4.5	Tour packages Page	14
4.6	Booking Page	15
4.7	Payment receipt page	16

ListofTables

Table No.	Nameof Table	PageNo.
3.1	Admin Table	5
3.2	User Table	6
3.3	Contact Table	6
3.4	Booking table	7

INTRODUCTION

The Tourism Management System is an automated web-based application developed to simplify and digitize the process of planning and managing travel and tourism services. Traditionally, tourists had to visit travel agencies physically to gather information about destinations, tour packages, accommodation, transportation, and pricing, which is time-consuming and inefficient. This online system replaces manual processes by providing a digital platform where users can register, log in, browse tourist destinations, view package details, select travel dates, book tour packages, and make payments through a secure payment gateway.

The major focus of the system is to create a seamless and efficient travel planning experience. Users can choose their preferred destination based on location, package cost, duration, description, and available facilities. After selecting a tour package, users can view itinerary details, accommodation options, transportation services, and availability, then proceed with booking. Once the payment is completed, a digital confirmation or travel ticket is generated, which can be downloaded or shown during the journey.

The primary goal of this system is to reduce human effort, minimize errors, save time, improve accuracy, maintain digital records, and enhance customer convenience. The system maintains a well-structured database containing user details, tour packages, bookings, payments, and travel schedules. This ensures data integrity and allows administrators to manage destinations, update packages, monitor booking activities, and maintain transaction history securely.

The Tourism Management System makes the overall travel planning process faster, safer, and more efficient by providing an easy-to-use interface and automated booking and payment features. Once users complete the payment, the system automatically generates a digital booking confirmation that can be presented to service providers. This approach eliminates manual errors, improves customer satisfaction, and enables tourism agencies to maintain accurate records of bookings and payments.

In the traditional system, tourists must physically visit travel offices to inquire about destinations, tour packages, pricing, availability, and schedules. This often results in delays, limited information access, and inconvenience. To overcome these limitations, the Tourism Management System offers an online solution where users can register, log in, explore destinations, view detailed package information such as location, duration, services, and cost, and book tour packages directly through the internet.

This system integrates all major functionalities—user registration, login, destination browsing, package selection, booking, and online payment—into a single unified platform, making tourism management more efficient, reliable, and user-friendly.

SYSTEM OVERVIEW

The system is built using a multi-layer architecture consisting of front-end interfaces, server-side processing, and database connectivity. The user interacts with the front-end, which includes user-friendly web pages such as the registration page, login page, home page, destination listing, tour package details, booking interface, payment page, and booking confirmation page. These interfaces are designed to be intuitive and easy to navigate, even for first-time users.

When a user performs any action, such as submitting the registration form or booking a tour package, the request is handled by the server-side logic, which validates the input data, interacts with the database, and returns appropriate responses. At the core of the system lies a well-structured relational database that stores all essential information, including user details, tourist destinations, tour packages, booking records, and payment transactions.

When a user registers, their information is stored in the users table. When an administrator adds or updates destination and package details, this information is stored in the destinations and packages tables. During the booking process, the selected tour package, user details, travel dates, and service options are recorded in the bookings table.

Once the payment is successfully processed, transaction details such as payment amount, method, status, and timestamp are saved in the payments table. All database tables are interconnected through foreign keys, ensuring a smooth and secure flow of information across different modules.

The system overview highlights the seamless transition between each step of the process. A user begins by logging into the platform and browsing the list of available destinations and tour packages. Upon selecting a package, the system displays detailed information to assist the user in making an informed decision. If the user proceeds, the booking module verifies the user's identity, checks package availability for the selected travel dates, and records the booking details.

The payment module handles the transaction securely, verifies the payment status, and logs the transaction details. Upon successful completion of the payment, the system automatically generates a digital booking confirmation or travel pass, which can be downloaded or presented during the tour.

The combination of a well-designed user interface, reliable backend processing, and a strong database structure makes the Tourism Management System efficient and accurate. Each booking is uniquely linked to a specific user and tour package, ensuring data consistency. The payment module ensures transparency and security by recording all payment-related information in the database, thereby enhancing trust and reliability in the overall system.

DATABASE DESIGN

The database design of the Tour Booking Management System is structured to manage all data efficiently. It contains four main tables: admin, users, contact_messages, and bookings.

- **Admin Table:** This table stores administrator login credentials required to manage the system.
- **Users Table:** This table stores the details of all registered users including login credentials.
- **Contact Messages Table:** This table stores messages submitted by users through the contact form.
- **Bookings Table:** This table records all tour package bookings made by customers.

3.1 Admin Table

Table Name: admin

Description: This table stores administrator login information used to access the admin panel.

Attributes:

Field Name	Data Type	Description
id	INT (PK)	Unique admin ID (Primary Key)
Username	VARCHAR	Admin username
Password	VARCHAR	Encrypted admin password

Table 3.1: Admin Table

Explanation: The ADMIN table ensures that only authorized users can manage system operations by maintaining unique usernames and encrypted passwords to enhance system security.

3.2 User Table

Table Name: user

Description: This table stores all registered user information including login credentials. Each user has a unique ID.

Attributes:

Field Name	Data Type	Description
id	INT (PK)	Unique user ID (Primary Key)
fullname	VARCHAR	Full name of the user
email	VARCHAR	Email ID used for registration and login
password	VARCHAR	Encrypted password of the user
Created_at	TIMESTAMP	Account creation date and time

Table 3.2: User Table

Explanation: The USERS table ensures unique identification of each user. It allows secure authentication during login. Email IDs are unique, and passwords are stored in encrypted form to maintain security.

3.3 contact Table

Table Name: contact_messages

Description: This table stores messages sent by users via the contact form.

Attributes:

Field Name	Data Type	Description
id	INT (PK)	Unique message identification number
name	VARCHAR	Name of the user submitting the message
email	VARCHAR	Email address of the user
subject	VARCHAR	Subject of the message

message	TEXT	Detailed message or query from the user
Submitted_at	TIMESTAMP	Date and time when the message was submitted

Table 3.3: Contact Message Table

Explanation:

The CONTACT_MESSAGES table stores all messages sent by users through the contact form. This table allows the admin to review user queries, feedback, and support requests efficiently. Each message includes the user's name, email address, subject, message content, and submission date. The admin can respond to these messages and manage communication with users through this table.

3.4 Booking Table

Table Name: bookings

Description: The bookings table stores all tour booking details submitted by users. It captures personal information, travel details, selected tour package, and accommodation preferences. This table helps the admin manage and track all bookings efficiently.

Attributes:

Field Name	Data Type	Description
id	INT(PK)	Unique booking identification number
full_name	VARCHAR	Full name of the customer
email	VARCHAR	Email address of the customer
Phone	VARCHAR	Contact number of the customer
nationality	VARCHAR	Nationality of the customer
Passport_number	VARCHAR	Passport number of the customer
travel_date	DATE	Selected travel date
booking_address	TEXT	Address of the customer
tour_package	VARCHAR	Selected tour package
adults	INT	Number of adults
children	INT	Number of children

room_type	VARCHAR	Preferred room type
special_requests	TEXT	Any special requirements or requests
created_at	TIMESTAMP	Booking creation date and time

Table 3.4: Booking Table

Explanation:

The BOOKINGS table stores complete information about tour bookings made by users. It includes customer personal details, travel information, selected tour package, and accommodation preferences. This table allows the admin to view, manage, and track all bookings efficiently and ensures smooth handling of customer travel arrangements.

SYSTEM IMPLEMENTATION

The system implementation phase represents the transformation of the proposed Tourism Management System design into a fully functional software application. This phase focuses on the development, integration, and testing of all system components to ensure that they operate according to the defined requirements. The implementation process includes the creation of user-friendly interfaces, backend processing logic, database connectivity, and security mechanisms to manage tourism-related data effectively.

Each module of the Tourism Management System has been carefully implemented to provide ease of use, operational efficiency, and system reliability. Proper validation techniques and secure data handling methods are applied to protect user information and booking details. This chapter describes the implementation details of the various modules of the system, along with screenshots that demonstrate the practical execution of the Tourism Management System in a real-time environment.

4.1 Sign up Page

The Sign Up page is used by new users to create an account on the system. On this page, users enter their name, email address, and password to register. The system checks the details to make sure all information is entered correctly and that the email is not already in use.

For security, the password is safely encrypted before saving it in the database. After successful registration, users can log in to the system and book tours or services. This page is important because it allows only registered users to access the system and keeps their information secure.

The image shows a 'Sign Up' form with a light blue background. At the top, the text 'Sign Up' is displayed in a large, bold, white font. Below this, there are four input fields, each with a green checkmark indicating successful validation. The first field contains the name 'Kasralikar mrudula mohanrao'. The second field contains the email address 'Mohankasralikar434.@gmail.com'. The third and fourth fields both contain the password 'Mgm@123'; the third field also includes an eye icon to toggle password visibility. Below the input fields is a large, rounded green button with the text 'Sign Up' in white. At the bottom, there is a link that says 'Already have an account? Sign In', where 'Sign In' is highlighted in yellow.

Fig. 4.1 Sign-up Page

4.2 Sign-in Page

The Sign In page allows registered users to access their account on the system. On this page, users enter their email address and password to log in. The system verifies the entered details with the information stored in the database. If the credentials are correct, the user is successfully logged in and redirected to the dashboard or booking page.

The “Remember Me” option helps users stay logged in for future visits, while the “Forgot Password” option allows users to reset their password if they forget it.

This page is important because it ensures that only authorized users can access the system, view their bookings, and make new reservations securely.

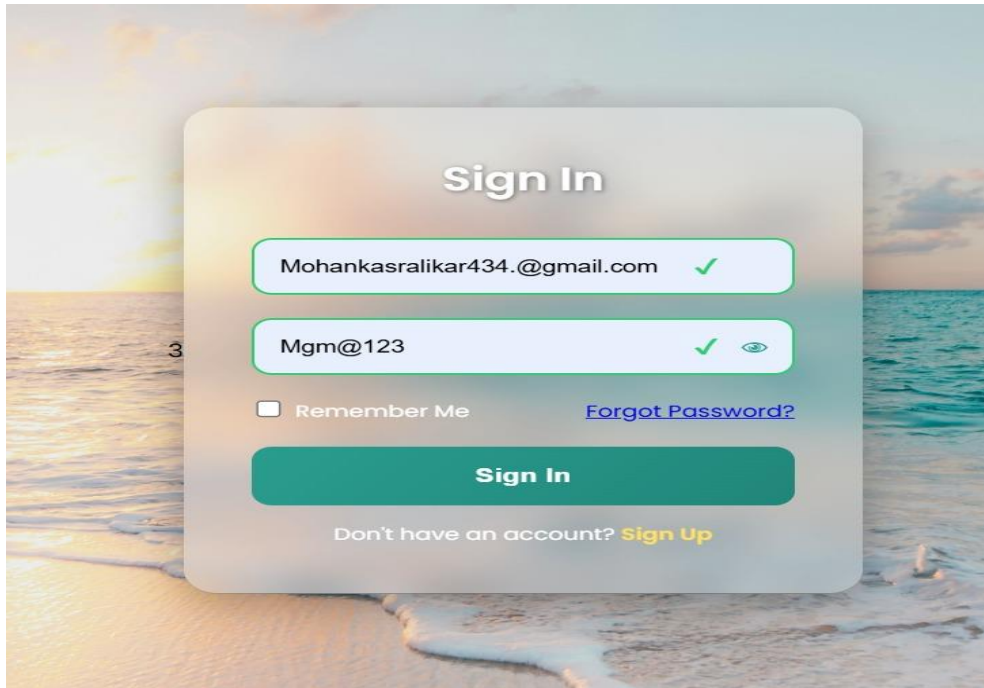


Fig. 4.2 Sign-in Page

4.3 Homepage

The Home Page of the Tourism Management System provides an overview of the platform after the admin successfully logs in. This page displays a welcoming interface with navigation options such as Home, About, Tour Packages, Privacy Policy, Terms of Use, and Contact Us, allowing easy access to different sections of the system. The page highlights popular travel destinations and encourages users to explore and book tour packages. At the top-right corner, the admin can see their welcome message and logout option, ensuring secure session management.

This page plays an important role as it acts as the central control panel for the admin, from where they can manage tour packages, monitor bookings, handle user inquiries, and maintain overall system content efficiently.

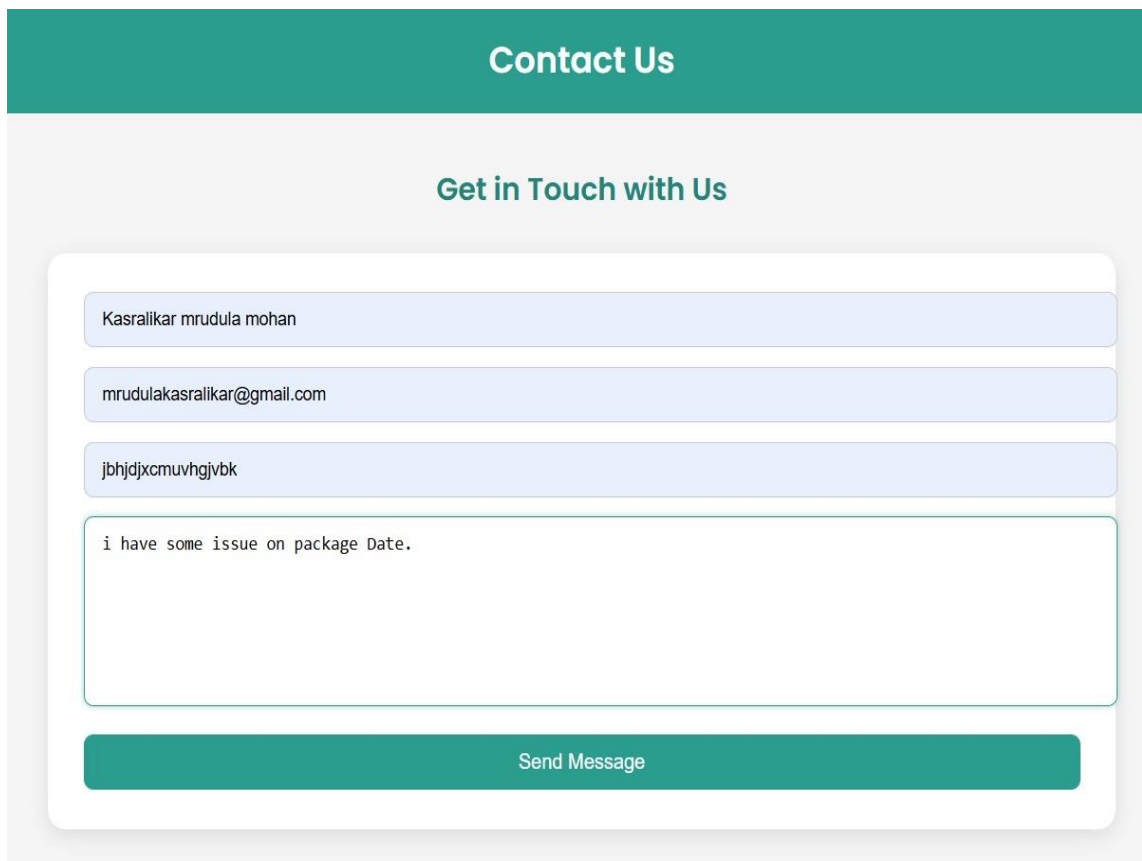


Fig. 4.3 HomePage

4.4 Contact us Page

The Contact Us page allows users to get in touch with the system administrators or support team. On this page, users can enter their name, email address, subject, and message to share their queries, problems, or feedback. After filling in the details, the user clicks on the Send Message button, and the message is submitted to the system. This helps the admin understand user issues, such as problems with tour packages or booking dates, and respond accordingly.

This page is important because it provides a direct communication channel between users and the admin, helping to improve user support and overall system reliability.

The image shows a 'Contact Us' form with a teal header. Below the header, the text 'Get in Touch with Us' is centered. The form contains four input fields: a name field with 'Kasralikar mrudula mohan', an email field with 'mrudulakasralikar@gmail.com', a phone number field with 'jbjhdjxcmuvhgjvbk', and a message field with 'i have some issue on package Date.'. A teal 'Send Message' button is at the bottom.

Contact Us

Get in Touch with Us

Kasralikar mrudula mohan

mrudulakasralikar@gmail.com

jbjhdjxcmuvhgjvbk

i have some issue on package Date.

Send Message

Fig. 4.4 Contact-us Page

4.5 Tour Packages Page

The Tour Packages page displays a list of popular travel destinations available for booking. Each package is presented in a card format showing the destination name, tour image, price per person, trip duration, and maximum number of people allowed. This helps users quickly compare different tour options. Users can click on the “View Details” button to see complete information about a selected package, including itinerary, facilities, and booking options. The page is designed to be visually attractive and user-friendly, making it easy for users to explore destinations such as Tokyo, New York, London, and more.

This page is important because it helps users choose their preferred tour package based on budget, duration, and destination, and acts as the main entry point for initiating the booking process.

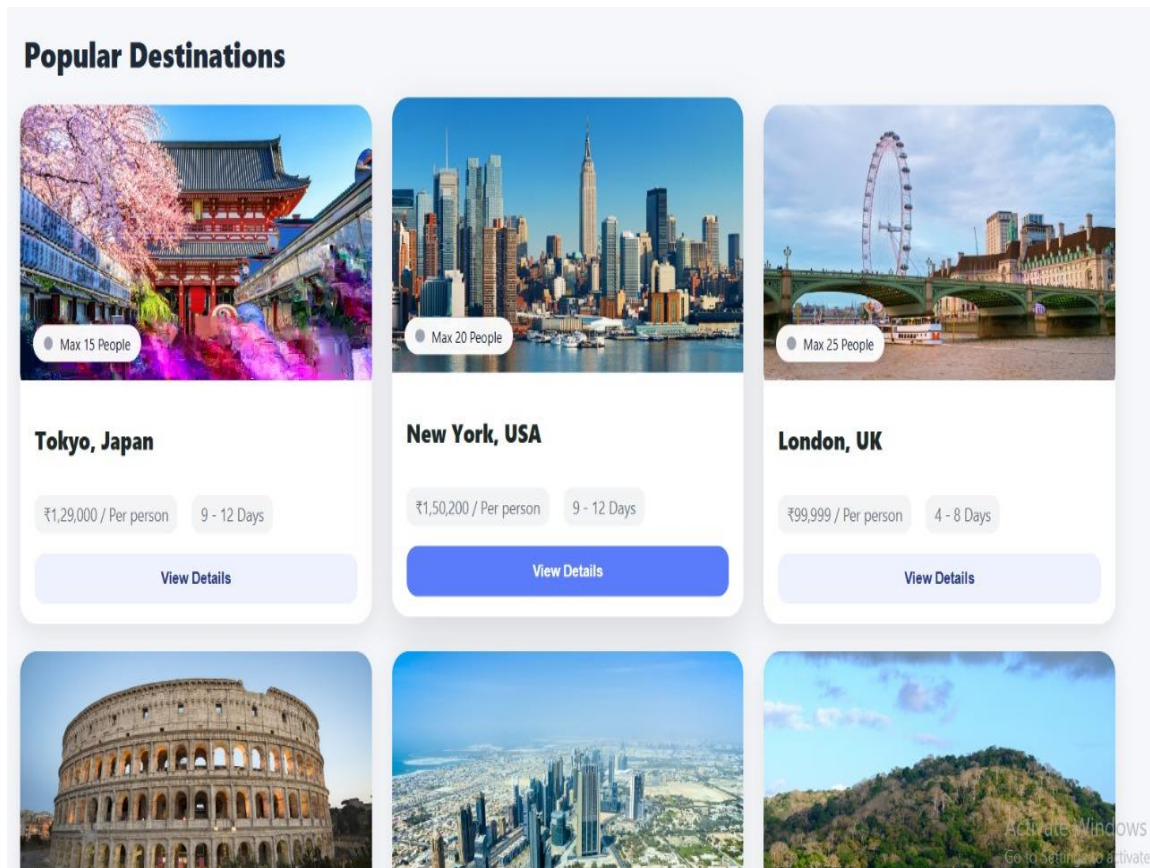


Fig. 4.5 Tour Packages Page

4.6 Booking Page

The Booking Page is an important module of the Tourism Management System that allows users to review and confirm their tour booking details before final submission. This page displays a complete summary of the user's personal information, selected tour package, travel preferences, and total cost, ensuring transparency and accuracy in the booking process.

The page includes user details such as Full Name, Email Address, and Mobile Number, which are automatically fetched from the registration or booking form. It also displays the selected Tour Package, including the destination and duration, along with the number of Adults and Children traveling. Additional preferences such as Room Type and Travel Date are clearly shown to help the user verify their selections.

Confirm Your Booking

Full Name: Kasralikar Mrudula Mohanrao

Email: shinded698@gmail.com

Mobile Number: 8975905666

Tour Package: Paris – 16 Days

Adults: 1

Children: 0

Room Type: Deluxe Room

Travel Date: 2025-12-31

Adults:	₹160,000
Children:	₹0
Room (Deluxe Room):	₹20,000

Total: ₹180,000

submit

Fig.4.6 Booking Page

4.7 Payment Receipt Page

The Payment Receipt Page is shown after the user successfully completes the payment for a tour package. This page confirms that the booking has been completed successfully. The receipt displays important details such as the Booking ID, which is used to identify the booking, along with the customer's name and mobile number. It also shows the selected tour package, travel date, and room type, so the user can easily check their booking information.

The total amount paid is clearly mentioned on the receipt. This amount is calculated automatically by the system based on the chosen package and accommodation, so there are no calculation mistakes.

At the end of the receipt, a thank-you message is displayed to confirm the booking. The user can save, download, or print this receipt for future reference. The system also stores the receipt details safely in the database. This page helps the user feel confident that the payment and booking were successful and provides proof of payment.

Travelly – Payment Receipt

Booking ID: TRV-813633

Name: Kasralikar Mrudula Mohanrao

Mobile: 8975905666

Tour Package: Paris – 16 Days

Travel Date: 2025-12-31

Room: Deluxe Room

Total Paid: ₹ 180,000

Thank you for booking with Travelly!

Fig. 4.7 Payment Receipt Page

SYSTEM REQUIREMENTS

The Tourism Management System requires appropriate hardware and software resources to work smoothly and efficiently. These requirements define the minimum and recommended system specifications needed to ensure stable performance, fast response time, and reliable data handling.

The system is designed to manage tasks such as user registration, tour package browsing, booking management, payment processing, and receipt generation. To handle multiple users at the same time without delay, sufficient processing power, memory, and storage are necessary.

Hardware requirements ensure that the system can support the server environment, database operations, and user requests without performance issues. Software requirements describe the platform and tools needed to develop, run, and maintain the system properly. The application can run on common operating systems and uses widely available web technologies, making it easy to deploy and maintain.

Hardware Requirements

The following hardware components are required to run the Tourism Management System efficiently:

- **Processor:** Dual Core processor with 2.0 GHz speed or higher
- **RAM:** Minimum 4 GB (8 GB recommended for better performance)
- **Hard Disk:** Minimum 100 GB for storing application files and database
- **Internet Connection:** Stable broadband connection for online bookings and updates
- **Display:** Minimum screen resolution of 1024 × 768

Software Requirements

The following software components are required for the development and execution of the Tourism Management System:

- **Operating System:** Windows 10 / Linux / macOS
- **Web Server:** Apache Server (using XAMPP)
- **Database:** MySQL for storing user, booking, and payment data
- **Backend Language:** PHP for server-side processing
- **Frontend Technologies:** HTML, CSS, and JavaScript for user interface design
- **Development Tools:**
 - Visual Studio Code (VS Code)
 - XAMPP Control Panel
 - Web Browser (Chrome, Firefox, or Edge)

USER REQUIREMENTS

User requirements explain what the Tourism Management System should provide to its users to ensure an easy, secure, and effective experience. The system is designed for two main types of users: Customers (Tourists) and Administrators. Understanding these requirements helps in building a system that is user-friendly, reliable, and efficient.

For customers, the system should be simple to use and easy to understand. Users should be able to register, log in securely, and browse different tour packages without any difficulty. Each tour package should display clear details such as destination, duration, price, travel dates, and accommodation options. Customers should be able to select their preferred package, choose travel options, and complete the booking process smoothly. Secure online payment and instant booking confirmation are essential features. Users should also receive a digital receipt and be able to view their booking history at any time.

For administrators, the system should provide full control over managing tour-related information. Admins must log in through a secure panel to prevent unauthorized access. They should be able to add, update, or remove tour packages, manage bookings, update pricing, and monitor customer activities. The system should also provide reports on bookings, payments, and overall performance to help administrators make better business decisions.

The Tourism Management System is designed to meet the following user requirements:

Customer Requirements

- Ability to register and log in securely
- View and browse available tour packages
- Check tour details such as duration, price, and travel dates
- Book tour packages online

- Make secure online payments
- Receive booking confirmation and payment receipt
- View booking history

Administrator Requirements

- Secure admin login with access control
- Add, update, or delete tour packages
- Manage customer bookings and payments
- Update travel schedules and accommodation details
- View booking and payment records
- Generate reports related to bookings and revenue

These user requirements ensure that the Tourism Management System provides a smooth experience for customers and efficient management tools for administrators.

TECHNOLOGY USED

The Tourism Management System uses a combination of front-end and back-end technologies to create a complete, responsive, and user-friendly web application. Each technology plays an important role in making the system easy to use, secure, and efficient.

HTML is used to create the basic structure of the website. It is responsible for designing web pages such as user registration, login, tour package listings, booking forms, and payment confirmation pages.

CSS is used to improve the appearance of the website. It controls layout, colors, fonts, spacing, and overall design, making the system visually attractive and easy to navigate. CSS also helps the website adjust properly on different devices like desktops, tablets, and mobile phones.

JavaScript adds interactive features to the system. It is used for form validation, dynamic price calculation, user input checking, and real-time interaction such as updating booking details without reloading the page.

On the server side, PHP is used to handle the main system logic. It processes user requests, manages user sessions, validates data, connects to the database, and generates dynamic web pages based on user actions.

MySQL is used as the database management system. It stores all important data such as user information, tour packages, bookings, payment details, and receipts in an organized and secure manner.

XAMPP provides a complete local development environment by combining Apache Server, MySQL, and PHP. It allows developers to develop and test the Tourism Management System locally before deploying it online.

Visual Studio Code (VS Code) is used as the code editor for writing, editing, debugging, and maintaining the system's source code efficiently.

List of Technologies Used

- **HTML:** Creates the structure of web pages
- **CSS:** Adds styling, layout, and responsive design
- **JavaScript:** Provides interactivity and client-side validation
- **PHP:** Handles server-side processing and business logic
- **MySQL:** Stores and manages all system data
- **XAMPP:** Local server environment for development and testing
- **VS Code:** Code editor for development

CONCLUSION

The Tourism Management System successfully provides a modern and efficient solution for managing tour bookings and travel services. By using web technologies such as HTML, CSS, JavaScript, PHP, and MySQL, the system automates traditional manual processes and offers a user-friendly online platform. Customers can easily browse tour packages, book trips, and make secure online payments, saving time and effort. For administrators, the system offers effective tools to manage tour packages, customer bookings, and payment details. Real-time data access and reports help in better planning and decision-making. Security features such as user authentication and secure data handling ensure the safety of user information and transactions.

Overall, the Tourism Management System improves efficiency, accuracy, and accessibility in the tourism industry. It meets all the project objectives and provides a strong foundation for future enhancements such as mobile application integration, online travel tracking, and cloud-based deployment. The system demonstrates how technology can simplify operations and enhance the overall user experience in tourism management.

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