TICKET RESERVATION SYSTEM

INTERDISCIPLINARY PROJECT

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

By

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHOOL OF COMPUTING

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
CATEGORY - 1 UNIVERSITY BY UGC
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BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **Kallam Santhosh Reddy (41110554),** who carried out the Project entitled "**TICKET RESERVATION SYSTEM**" under my supervisionfrom January 2024 to April 2024.

Internal Guide

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Head of the Department

Dr. L. LAKSHMANAN, M.E., Ph.D.,

Submitted for Interdisciplinary Viva Voce Examination held on _____

Internal Examiner **External Examiner**

DECLARATION

I, **Kallam Santhosh Reddy (41110554),** hereby declare that the Project Report entitled**"TICKET RESERVATION SYSTEM"** done by me under the guidance of **Ms. LAKSHMI PRIYA S, M.E., (Ph.D),** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in **Computer Science and Engineering**.

DATE:

PLACE: Chennai **SIGNATURE OF THE CANDIDATE**

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ABSTRACT

In summary, the primary objective of working with Online reservation system can vary depending on the industry and business needs, but some of common objectives are Streamline booking process, Increases efficiency, enhance customer experience, Real-time availability, increase revenue. The specific objectives will vary depending on the industry, business model, and target audience to evaluate the advantages of a proposed work or system compared to existing methodologies, you'll need to consider the specific context and industry in which it is being implemented. However, here are some general advantages that a well-designed online reservation system might have over traditional or existing methods are Accessibility and Convenience, Real-time Availability, Reduced Administrative Work, Lower Operational Costs, Improved Accuracy, Enhanced Customer Experience, Reduced No-shows. It's important to conduct a thorough analysis of the existing methodologies and compare them to the proposed online reservation system in the specific context of your business or industry. The advantages listed above should be adapted and tailored to your unique situation to provide a compelling case for implementing the new system. Online reservation systems can be applied across various industries and sectors where the booking of services, appointments, or accommodations is necessary. Here are some common areas where online reservation systems are commonly applied: Hospitality and travel, Restaurants and Food Delivery, Healthcare, Entertainment and Events, Transportation, Education and training, Tourism and Activities, Equipment Rentals Real estates, parking Facilities etc. Online reservation systems are versatile tools used across a wide range of industries to streamline booking processes and enhance customer experiences. They provide convenience by allowing users to make reservations or appointments online, view real-time availability, and receive confirmations. Such systems are employed in sectors such as hospitality, healthcare, transportation, entertainment, education, fitness, and more. They offer benefits including reduced administrative work, improved accuracy, enhanced customer satisfaction, and data insights. By eliminating the constraints of traditional booking methods, online reservation systems enable businesses to operate more efficiently, attract a global audience, and gain a competitive edge.

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CHAPTER 1

INTRODUCTION

An online ticket reservation system is a sophisticated and convenient digital platform designed to facilitate the booking and purchase of tickets for various events, services, or modes of transportation through the internet. This system has revolutionized the way people access and secure tickets, offering a seamless and efficient way to plan and attend events, travel, or access services without the need for physical visits to ticket counters or service providers.

The primary purpose of an online ticket reservation system is to streamline the ticketing process, making it more accessible, convenient, and user-friendly for customers. Whether it's booking tickets for movies, concerts, sporting events, flights, trains, buses, or even reserving seats at a restaurant, users can access this system from the comfort of their own homes or on the go, using various devices such as smartphones, tablets, or computers.

1.1 Evolution of Ticketing Systems

Traditionally, obtaining tickets for events or services involved tedious processes such as waiting in long queues at ticket counters or making phone calls to reservation centers. However, with the advent of the internet and e-commerce, ticketing systems underwent a transformative evolution, transitioning from manual to digital platforms. Online ticket reservation systems emerged as a solution to streamline the ticketing process, offering unparalleled convenience and accessibility to customers worldwide.

1.2 Key Features of Online Ticket Reservation Systems

Online ticket reservation systems boast a plethora of features designed to enhance user experience and streamline the booking process. Among the key features are:

1. **User-friendly Interface**: Intuitive interfaces ensure effortless navigation, allowing users to seamlessly browse available options and complete bookings with ease.
2. **Real-time Availability**: Customers can access up-to-date information on ticket availability, ensuring they secure desired tickets promptly.
3. **Secure Payment Processing**: Robust security measures safeguard sensitive payment information, instilling confidence in customers to make online transactions securely.
4. **Multiple Booking Channels**: These systems offer flexibility by providing various booking channels, including websites, mobile apps, and third-party platforms, catering to diverse user preferences.
5. **Seat Selection**: Customers can choose their preferred seats from interactive seating maps, optimizing their event or travel experience.
6. **Confirmation and E-Tickets**: Instant confirmation notifications and electronic tickets eliminate the need for physical tickets, enhancing convenience and reducing paper waste.
7. **Integration with Other Services**: Seamless integration with complementary services such as accommodation bookings or transportation arrangements offers comprehensive solutions for customers.
8. **Customer Support**: Dedicated customer support channels ensure prompt assistance and resolution of queries or issues, enhancing overall customer satisfaction.

1.3 Benefits of Online Ticket Reservation Systems

The adoption of online ticket reservation systems yields numerous benefits for both customers and businesses alike. For customers, these systems offer unparalleled convenience, allowing them to browse, book, and purchase tickets anytime, anywhere, using their preferred device. Moreover, real-time availability ensures they can secure tickets promptly, eliminating the frustration of sold-out events or services. Additionally, the integration of secure payment processing instills confidence in customers to make online transactions, contributing to a seamless booking experience.

CHAPTER 2

LITERATURE SURVEY

2.1 Review on Existing System

Existing ticket reservation systems provide convenient platforms for booking tickets across various modes of transportation, including buses, trains, and flights. While these systems offer extensive coverage and advanced features such as real-time seat availability and flexible fare options, they often suffer from inconsistencies in user interfaces and booking processes across different transportation modes. Additionally, some systems may encounter performance issues and fail to adequately address accessibility and inclusivity concerns. Despite their strengths, there is a clear need for improvements in terms of consistency, performance, and inclusivity to enhance the overall user experience and accommodate the needs of all travelers effectively.

Strengths:

1. **Convenience and Accessibility:** Existing ticket reservation systems offer unparalleled convenience, allowing users to book tickets from the comfort of their homes or while on the go. This accessibility eliminates the need for physical visits to ticket counters, saving users time and effort.
2. **Extensive Coverage:** These systems cater to a wide range of transportation modes, including buses, trains, and flights, as well as events such as concerts and movies. This extensive coverage ensures that users can access tickets for various activities and services through a single platform.
3. **Advanced Features:** Many ticket reservation systems come equipped with advanced features such as real-time seat availability, flexible fare options, and interactive seating maps. These features empower users to make informed decisions and customize their bookings according to their preferences.
4. **Secure Payment Processing:** Online ticket reservation systems prioritize the security of user transactions, employing robust encryption protocols and authentication mechanisms to safeguard sensitive payment information. This instills confidence in users to make online purchases securely.

2.2 Inferences and Challenges in Existing System

Existing ticket reservation systems offer diverse transportation options like buses, trains, and flights, providing users with flexibility and convenience. They often include features such as real-time seat availability and pricing information, enhancing the booking experience. However, challenges like inconsistent user interfaces across different transportation modes, performance issues during peak periods, and accessibility concerns persist. Resolving these challenges is essential for enhancing user satisfaction and ensuring equal access to transportation services for all individuals.

Inferences:

1. **User Preference for Online Booking:** The widespread adoption of ticket reservation systems underscores users' preference for online booking methods. The convenience of accessing and purchasing tickets remotely aligns with modern lifestyles, where time-saving solutions are highly valued.
2. **Technological Advancements:** The integration of advanced features such as real-time seat availability, interactive seating maps, and secure payment processing reflects ongoing technological advancements in ticket reservation systems. These features enhance user experiences and streamline the booking process.
3. **Data-driven Insights:** Ticket reservation systems generate valuable data on user preferences, booking patterns, and market trends. Analyzing this data enables providers to optimize services, personalize offerings, and target marketing efforts effectively.

Challenges:

1. **User Experience Disparities:** Inconsistencies in user interfaces and booking processes across different transportation modes present a significant challenge. Users may encounter disparate platforms and experiences when booking tickets, leading to confusion and frustration.

2. **Performance Issues:** System performance issues, such as slow loading times, system crashes, and glitches, undermine the reliability of ticket reservation systems. These technical challenges disrupt the booking process and erode user confidence in the platform's functionality.
3. **Accessibility and Inclusivity:** Despite technological advancements, many ticket reservation systems fall short in addressing accessibility and inclusivity concerns. Users with disabilities or special needs may encounter barriers to accessing and navigating the platform effectively, highlighting the need for improved accessibility features.

CHAPTER 3

ANALYSIS AND DESIGN OF PROPOSED SYSTEM

3.1 Necessity for Proposed System

The proposed ticket reservation system aims to address the shortcomings of existing systems while leveraging their strengths. It will offer a unified platform for booking tickets across various transportation modes, including buses, trains, and flights, streamlining the reservation process for users. By providing a consistent and user-friendly interface, the proposed system will enhance accessibility and usability, ensuring a seamless booking experience for all users. Additionally, advanced features such as real-time updates on seat availability, pricing comparisons, and personalized recommendations will further improve user satisfaction. Overall, the proposed system is essential for meeting the growing demand for efficient and integrated ticket reservation services in today's fast-paced world.

3.2 Hardware and Software Requirements

3.2.1 Visual Studio

Visual Studio is a versatile and feature-rich integrated development environment used by software developers to create applications for various platforms. It offers tools for code writing, debugging, collaboration, and deployment, making it a popular choice for developers working on a wide range of projects, from small scripts to large-scale applications.

Fig 3.1 Visual Studio

3.2.2 HTML

HTML, or Hyper-Text Markup Language, serves as the backbone of web development, providing the structure and framework for creating web pages. Utilizing tags and elements, HTML enables the organization and presentation of content on the internet. As a fundamental language in web development, proficiency in HTML is essential for crafting interactive and engaging online experiences.

Fig 3.2 HTML

3.2.3 CSS

CSS, or Cascading Style Sheets, complements HTML by defining the visual appearance of web pages, including layout, colors, and fonts. Through selectors and properties, CSS enables precise control over the presentation of HTML elements, enhancing the aesthetics and user experience of websites. Mastering CSS empowers developers to create visually stunning and responsive designs that captivate and engage users.

Fig 3.3 CSS

3.2.4 Java Script

JavaScript, often abbreviated as JS, is a versatile programming language primarily used for web development. It enables dynamic, interactive features on websites, such as animations, form validation, and interactive content. With its ability to run on both the client and server sides, JavaScript plays a crucial role in creating engaging user experiences and responsive web applications.

Fig 3.4 Java Script

3.2.5 React JS

React.js, commonly referred to as React, is a popular JavaScript library for building user interfaces, developed by Facebook. It allows developers to create reusable UI components that efficiently update and render when data changes, following a component-based architecture. React's virtual DOM and declarative syntax streamline the process of building interactive web applications, enhancing performance and developer productivity. Its ecosystem, including tools like React Router and Redux, empowers developers to create scalable and maintainable applications with ease.

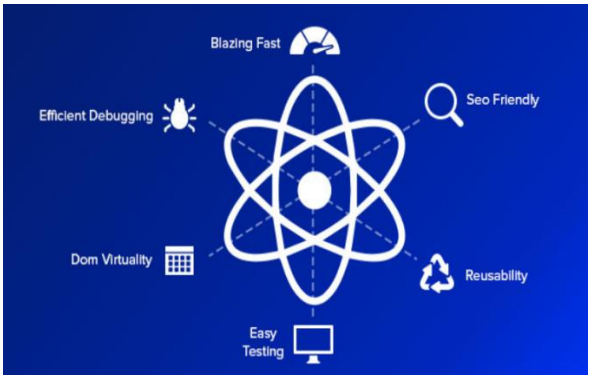

Fig 3.5 React JS

3.2.6 Hardware

Operating System	:	Windows 7 and 7+
Ram	:	8 GB or more
Processor	:	Intel I3 or higher
Hard disk or SSD	:	More than 500GB

CHAPTER 4

IMPLEMENTATION OF PROPOSED SYSTEM

4.1 Detailed Description of Proposed System

The Ticket Reservation System project is a comprehensive web application aimed at facilitating the seamless booking of tickets for buses, trains, and flights. It primarily focuses on frontend development to provide users with an intuitive and user-friendly interface for searching and booking tickets based on their preferences.

The system comprises dedicated pages for each mode of transportation, including buses, trains, and flights. Each page is meticulously designed to offer a smooth and convenient booking experience, with features such as search filters, seat selection, and pricing information. Additionally, there is a central homepage for easy navigation and access to essential information, along with a contact page for inquiries and support.

Leveraging modern frontend technologies like HTML, CSS, and JavaScript, the pages are designed to be responsive, visually appealing, and easy to navigate across various devices. This ensures that users can access the system seamlessly from desktops, tablets, or smartphones.

One of the key features of the Ticket Reservation System is its ability to retrieve and display relevant information, such as bus schedules, seat availability, and pricing details. This empowers users to make informed decisions when booking their tickets, thereby enhancing their overall experience.

Overall, the Ticket Reservation System aims to streamline the ticket booking process for travelers while providing a seamless frontend experience. By offering efficiency, reliability, and ease of use, it simplifies transportation arrangements and ensures a hassle-free booking experience for users.

4.2 Advantages and Disadvantages

Advantages:

1. Simplified Booking Process: The Ticket Reservation System streamlines the ticket booking process for travelers, making it quick, convenient, and hassle-free.
2. User-Friendly Interface: With its intuitive user interface, the system offers easy navigation and seamless interaction, enhancing the overall user experience.
3. Comprehensive Information: Users can access relevant details such as schedules, seat availability, and pricing, enabling them to make informed decisions.
4. Responsive Design: Leveraging modern frontend technologies, the system's responsive design ensures accessibility across various devices, enhancing its usability.

Disadvantages:

1. Technical Dependencies: The system's reliance on frontend technologies like HTML, CSS, and JavaScript may introduce technical dependencies and compatibility issues.
2. Maintenance Requirements: Regular maintenance and updates may be necessary to ensure the system's functionality and security, potentially requiring ongoing resources and effort.
3. Potential for Errors: Like any software system, the Ticket Reservation System may encounter bugs, errors, or technical glitches that could disrupt the booking process or compromise user experience.
4. Limited Scope: While the system focuses on frontend development and user interface design, it may lack advanced features or capabilities present in more comprehensive booking platforms.

CHAPTER 5

RESULTS AND DISCUSSION

5.1 Results

The Online Ticket reservation web application has been successfully developed using MERN Stack and various state management techniques. It provides a user-friendly interface for searching and filtering Hotels based on their name, or categories. The application's key features and outcomes are as follows:

1) **Search Functionality:** Users can search for Hotels by entering the name of the city in the search input field. The application dynamically filters and displays results based on the search term, ensuring quick access to specific hotel information.

2) **Hotel Filtering:** Users can filter Hotel by Cost , availability , number of rooms using the Sidebar display menu. The application categorizes into some sections: Villas, Rented house, flats , suits ,private hotels etc.. Selecting a specific category allows users to view what they want and book.

3) **Visual Representation:** Hotel data is visually presented in an organized manner using cards. Each card displays the Hotel's name, ID, cost, and availability information. Additionally, the user can book flight tickets in this application itself without any hesitation.

4) **Responsive Design:** The application is responsive and adapts to different screen sizes, making it accessible on a variety of devices, including desktops, tablets, and mobile phones.

5) **Code Modularity:** The code is structured with modularity in mind, allowing for easy maintenance and potential future enhancements. It is well-commented, aiding in code comprehension and future development.

5.2 Discussion

1) **Convenience and Accessibility:** One of the primary benefits of such a system is the convenience it offers to customers. Users can book tickets from the comfort of their homes or on-the-go, reducing the need for physical visits to ticket counters. This accessibility can significantly enhance the customer experience.
2) **Reduced Queues and Wait Times:** By allowing customers to book tickets online, the system can help reduce long queues and wait times at ticket counters, leading to a smoother and more efficient ticketing process..
3) **Data Analysis:** The system generates a wealth of data, including customer preferences, booking patterns, and sales trends. This data can be analyzed to make informed business decisions, optimize pricing strategies, and improve overall service quality.
4) **User Experience:** A well-designed user interface and a seamless booking process are essential for a positive user experience. Any issues with the system, such as slow loading times or confusing navigation, can lead to frustration and loss of customers.
5) **Competitive Advantage**: Organizations that offer a well-executed online ticket reservation system gain a competitive advantage. It sets them apart from competitors who rely solely on traditional ticketing methods.

5.3 Screenshorts

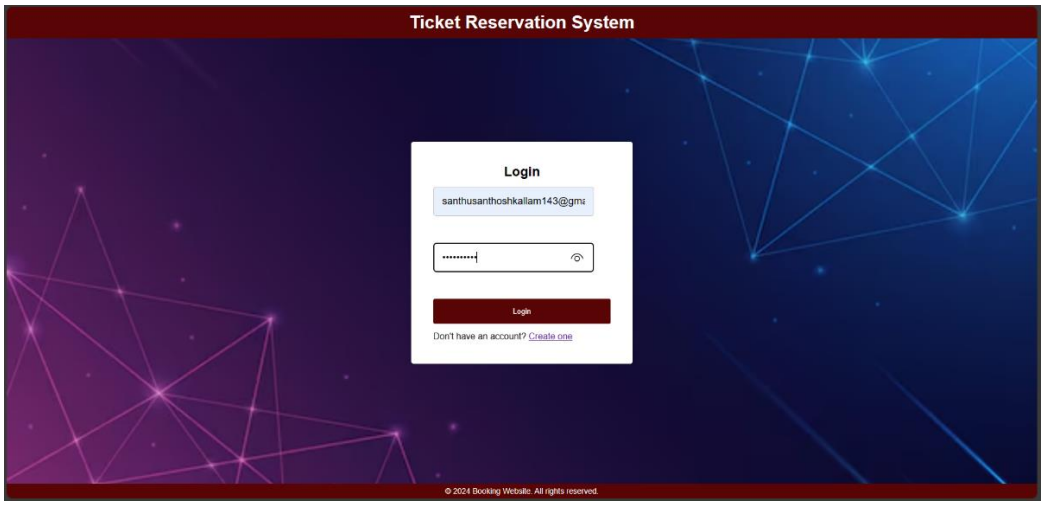

Fig 5.1 Login Page

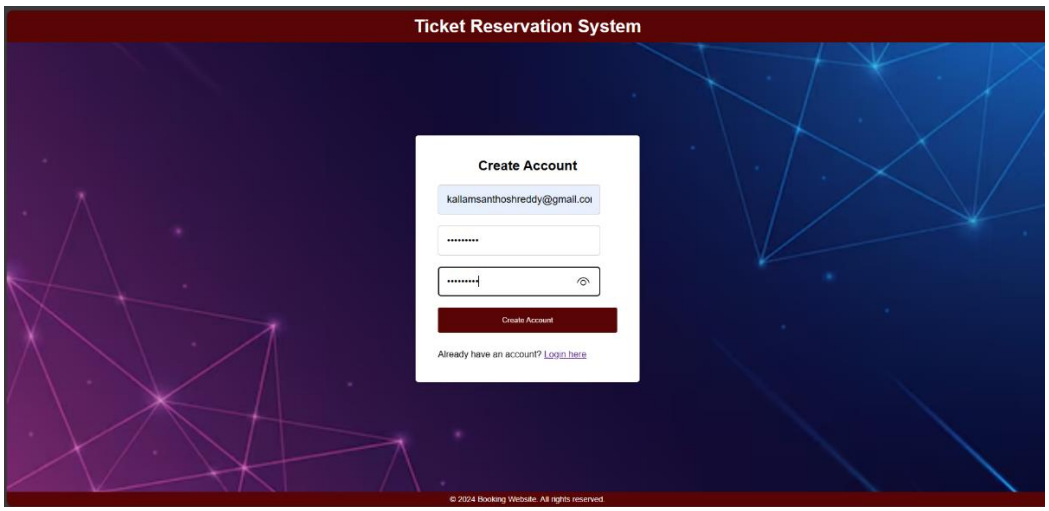

Fig 5.2 Account Creation Page

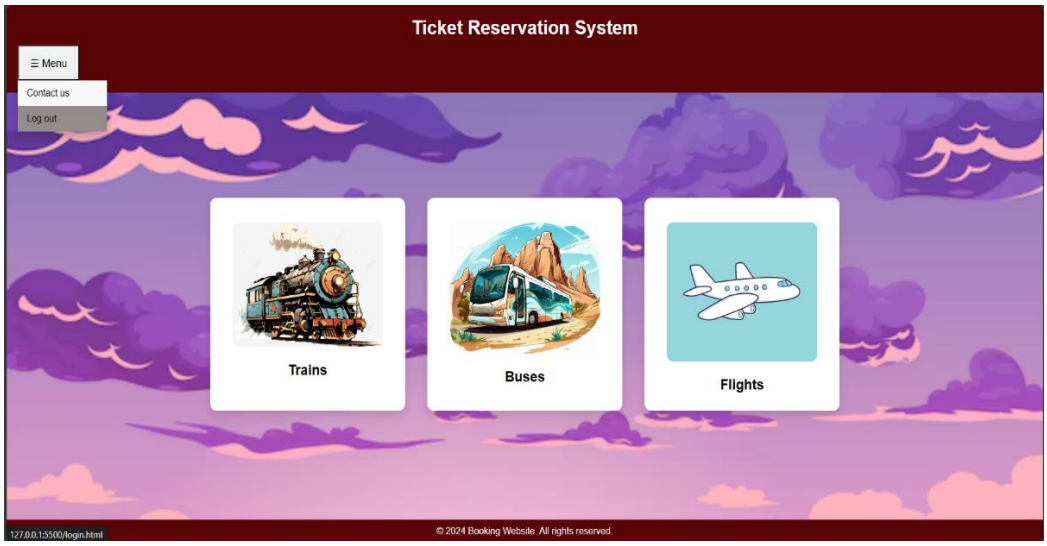

Fig 5.3 Home Page

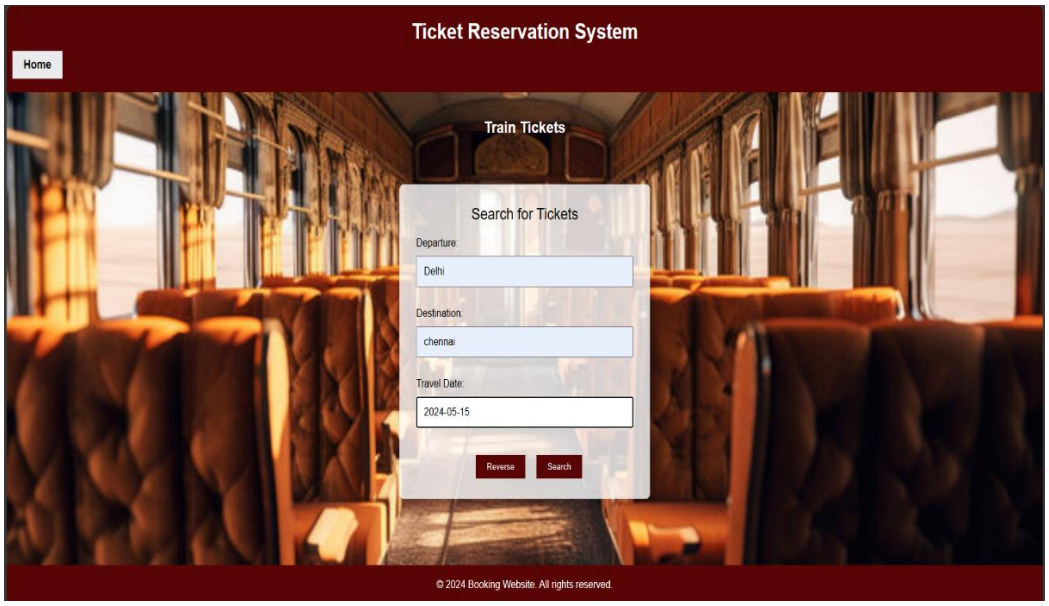

Fig 5.4 Travel Search Page

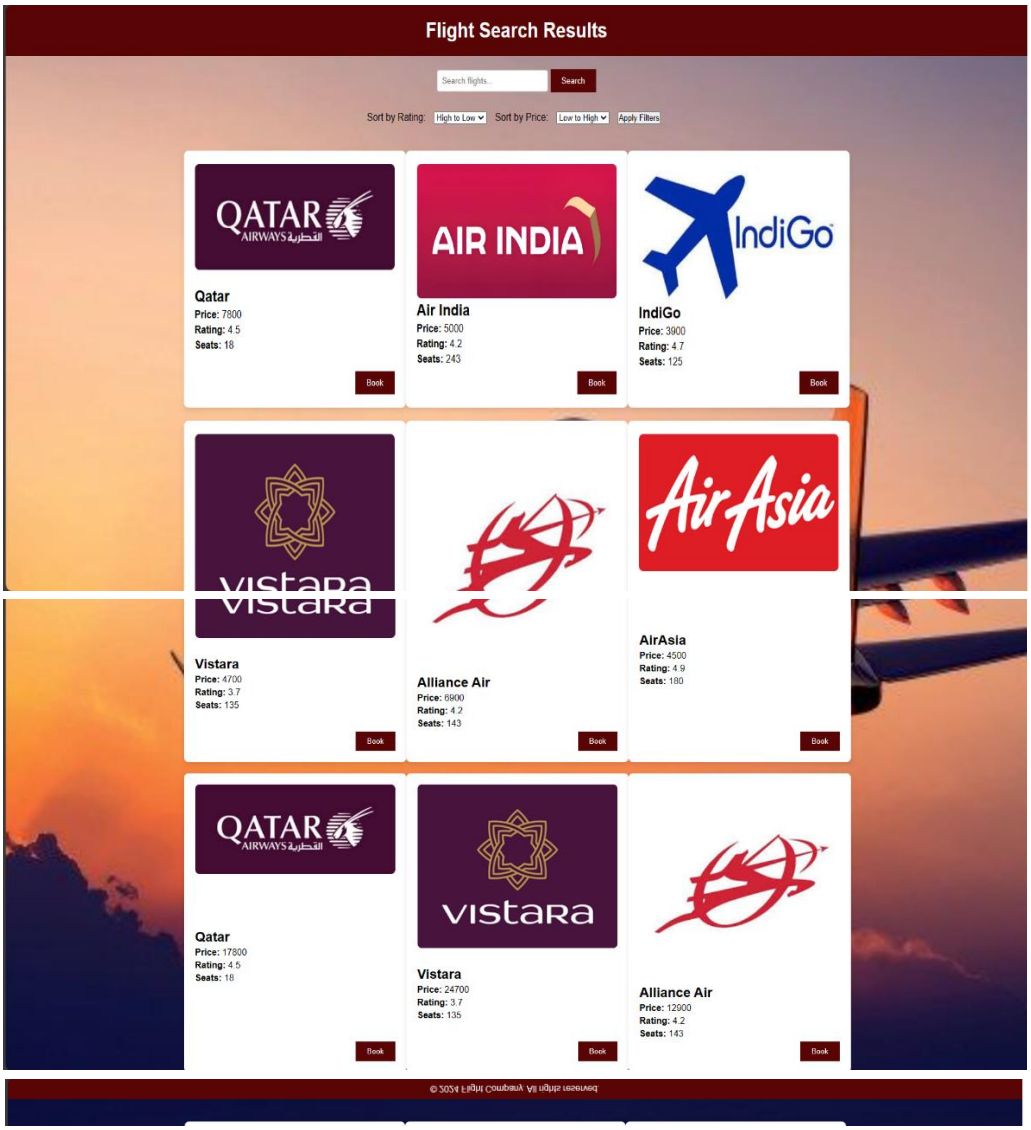

Fig 5.5 Booking page

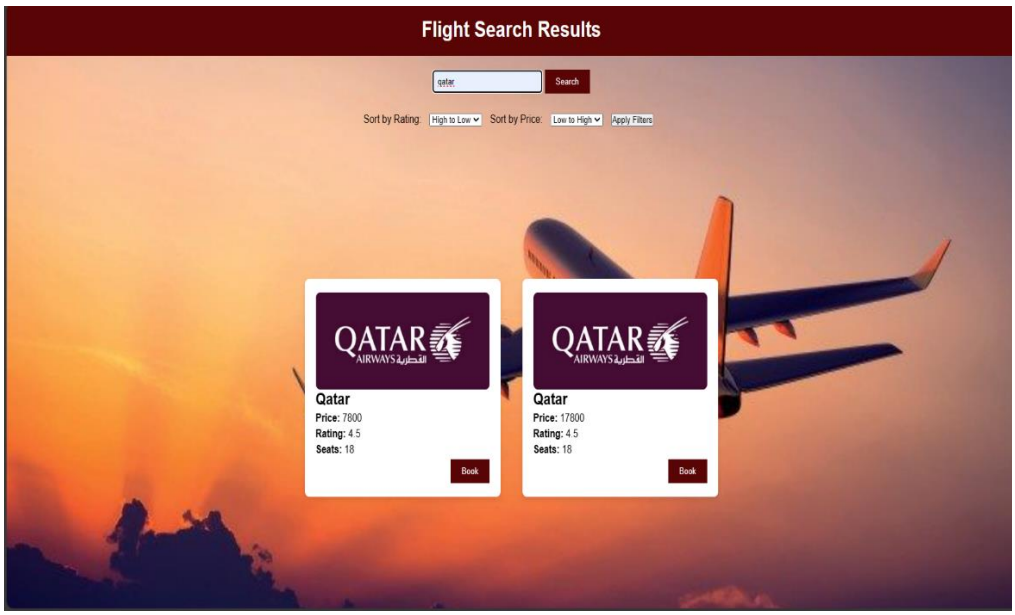

Fig 5.6 Search Bar

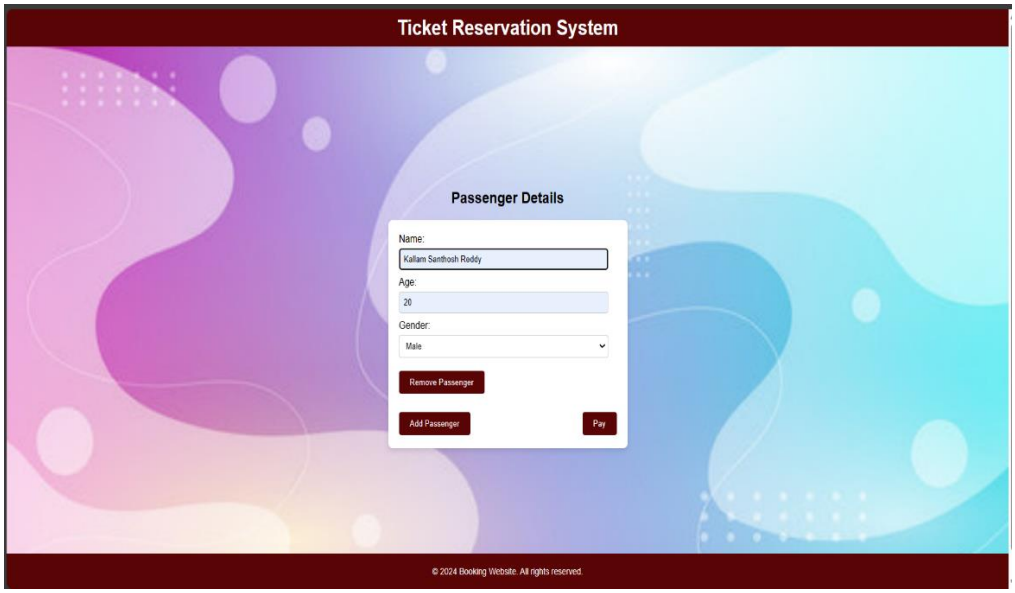

Fig 5.7 Passenger Details Page

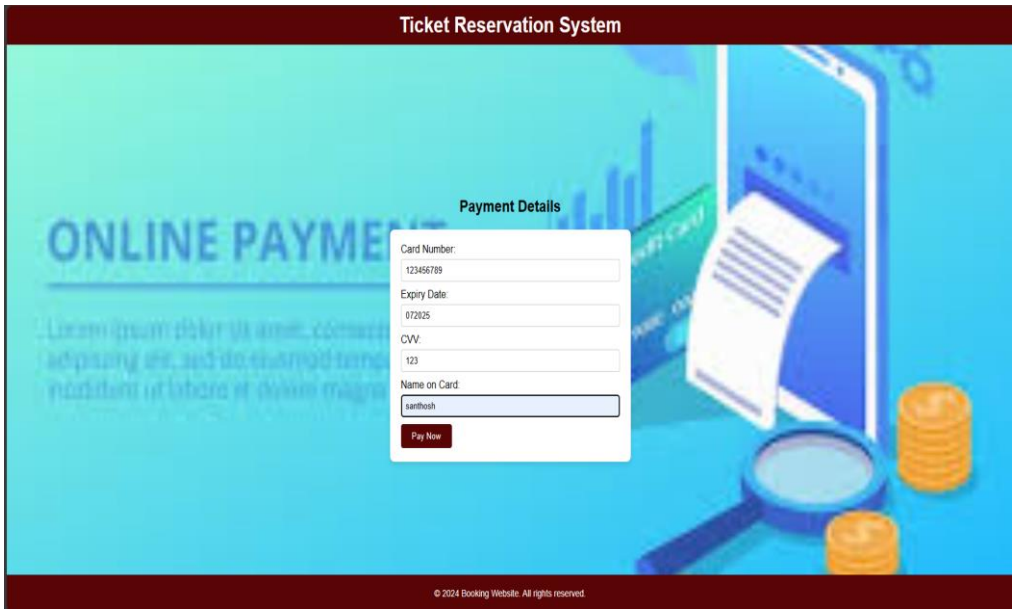

Fig 5.8 Payment Details Page

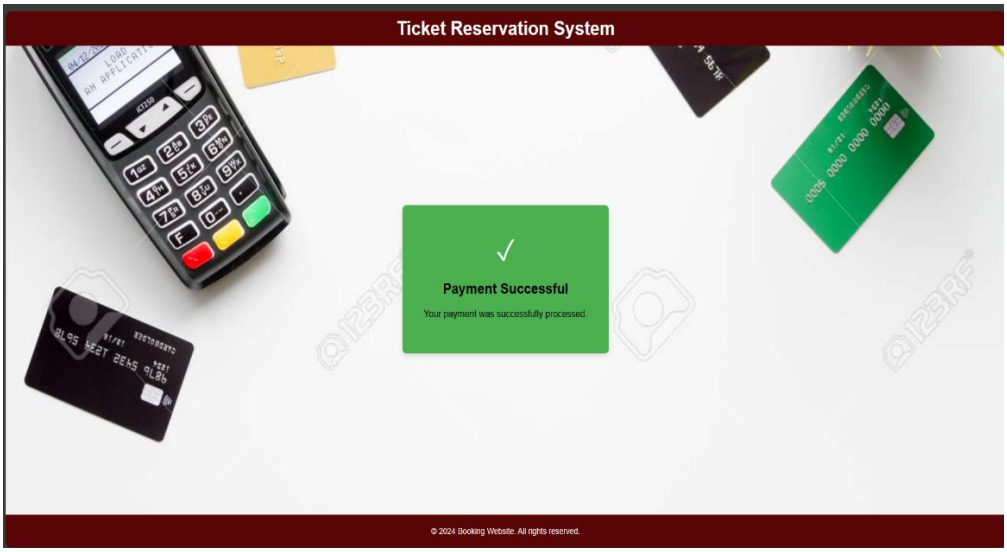

Fig 5.9 Payment Status Page

CHAPTER 6
CONCLUSION AND FUTURE ENHANCEMENT

6.1 Conclusion

In conclusion, an online ticket reservation system serves as a valuable tool to improve the ticketing process for various events, services, and transportation modes. Its aim is to enhance customer convenience by providing a user-friendly platform that allows users to easily browse and select tickets, make secure payments, and receive instant confirmations. By achieving these objectives, the system contributes to a more efficient and accessible ticketing experience, benefiting both customers and service providers.

6.2 Future Enhancement

1. Mobile App Development: Creating a dedicated mobile app for iOS and Android platforms would significantly enhance accessibility and convenience for users, allowing them to book tickets and manage their travel plans on the go.
2. Integration with Payment Gateways: Adding support for integration with popular payment gateways would offer users a wider range of secure online payment options, improving transaction efficiency and security.
3. Real-Time Updates: Implementing real-time updates for ticket availability, schedules, and pricing would ensure users have the most up-to-date information, reducing booking conflicts and enhancing the overall booking experience.
4. Personalized Recommendations: Utilizing machine learning algorithms to analyze user preferences and booking history could provide personalized recommendations for destinations, routes, and travel options, increasing user engagement and satisfaction.
5. Accessibility Features: Enhancing accessibility features such as screen reader compatibility and keyboard navigation would ensure the system is accessible to users with disabilities, promoting inclusivity and usability for all.

REFERENCES

[1] Amazon Web Services, "Integrating AWS Elastic Load Balancing with Web Application Development," AWS Documentation,

[2] H. Kim and J. Park, "Scalable Architecture Design for Ticket Reservation Systems Using React.js," International Conference on Web Technologies, Barcelona, Spain, 2016, pp. 45-50.

[3] H. Smith, "Enhancing User Experience in Ticket Reservation Systems Using HTML, CSS, and JavaScript," Journal of Web Development, vol. 25, no. 3, pp. 45-51, 2020.

[4] https://documentation.bamboohr.com/reference/get-employees-directory-1 .form Google.

[5] https://eddy.com/hr-encyclopedia/employee-directory/ ,I have taken a reference of displaying the information of employee

[6] https://sist.sathyabama.ac.in/faculty_info/stafflist.php , our college faculty details

[7] IRCTC (Indian Railway Catering and Tourism Corporation): IRCTC is the official online portal for booking train tickets in India. It provides services for booking train tickets, checking train schedules, and managing reservations.

[8] J. Lee and S. Choi, "Enhancing User Interface of Ticket Reservation Systems with React.js Components," International Symposium on Human-Computer Interaction, Seoul, South Korea, 2015, pp. 88-92.

[9] L. Wang, Y. Li, and Q. Zhang, "Load Balancing Techniques for High-Traffic Ticket Reservation Systems," International Symposium on Web Services, Tokyo, Japan, 2017, pp. 321-326.

[10] MakeMyTrip: MakeMyTrip is one of India's largest online travel companies, offering booking services for flights, hotels, holidays, buses, trains, and cabs.

[11] P. Lee and L. Chen, "Optimizing Ticket Reservation System Performance with Efficient Load Balancing Strategies," International Conference on Web Engineering, San Francisco, USA, 2018, pp. 102-105.

[12] RedBus: RedBus is a popular online bus ticket booking platform that offers services for booking bus tickets, checking bus schedules, and tracking buses in real-time across India and other countries.

[13] S. Kumar and R. Gupta, "Improving Ticket Reservation System Efficiency with Cloud-Based Load Balancing," IEEE International Conference on Cloud Computing, Sydney, Australia, 2019, pp. 75-8.

[14] Ticketmaster: Ticketmaster is a global leader in ticketing services, providing ticketing solutions for live events, concerts, sports, theater, and arts performances.

[15] Yatra: Yatra is an Indian online travel agency that provides booking services for flights, hotels, holidays, trains, buses, and cabs, catering to both domestic and international travelers.

Appendix

Index.html (Home Page)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Home Page</title>
    <link rel="stylesheet" href="styles.css">
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/flatpickr/dist/flatpickr.min.css">
    <style>
        body {
            margin: 0;
            padding: 0;
            font-family: Arial, sans-serif;
            background-image: url('images/reserv.avif'); /* Replace 'hotel-services-
background.jpg' with your image file */
            background-size: cover;
            background-position: center;
            background-repeat: no-repeat;
            background-attachment: fixed;
            display: flex;
            flex-direction: column;
            min-height: 100vh; /* Ensure the body takes up at least the full viewport
height */
            position: relative;
        }
        header {
            text-align: center;
            padding: 20px 0; /* Increased padding */
            background-color: #590505; /* Header background color */
```

```
    color: #fff; /* Header text color */
    width: 100%;
    position: fixed;
    top: 0;
    z-index: 1000;
}

header h1 {
    margin: 0;
}

nav {
    text-align: left;
    margin-top: 10px;
}

nav ul {
    list-style-type: none;
    padding: 0;
    margin-left: 20px;
}
nav ul li {
    display: inline;
    margin-right: 20px;
}
nav ul li a {
    text-decoration: none;
    color: #eeeded;
    font-weight: bold;
}

nav ul li a:hover {
    color: #f4f2f2;
}

.
```

```
content {
        flex: 1;
        display: flex;
        flex-direction: row;
        align-items: center;
        justify-content: center;
        margin-top: 100px; /* Increased margin-top */
        gap: 40px; /* Increased gap between cards */
        padding: 0 40px; /* Increased horizontal padding */
    }

    .card {
        background-color: #fff;
        border-radius: 12px; /* Increased border-radius */
        padding: 40px; /* Increased padding */
        box-shadow: 0 8px 16px rgba(0, 0, 0, 0.1); /* Adjusted box shadow */
        width: 350px; /* Increased width */
        height: 350px; /* Increased height */
        max-width: 100%;
        text-align: center;
        text-decoration: none;
        color: #000;
        transition: transform 0.3s ease;
    }

    .card:hover {
        transform: translateY(-5px); /* Move the card up slightly on hover */
    }
    .card img {
        max-width: 100%;
        border-radius: 12px; /* Increased border-radius */
    }
    .card h2 {
        margin-top: 20px; /* Increased margin-top */
    }
```

```
footer {
    text-align: center;
    padding: 10px 0; /* Adjusted padding */
    background-color: #590505; /* Footer background color */
    color: #fff; /* Footer text color */
    width: 100%;
    position: fixed;
    bottom: 0;
    z-index: 1000;
    font-size: 16px; /* Increased font size */
}

.dropdown {
    position: relative;
    display: inline-block;
}

.dropdown-content {
    display: none;
    position: absolute;
    background-color: #f9f9f9;
    min-width: 160px;
    box-shadow: 0 8px 16px 0 rgba(0,0,0,0.2);
    z-index: 1;
    transition: all 0.3s ease; /* Added transition */
    top: 100%; /* Position dropdown content below button */
    left: 0; /* Position dropdown content to the left */
}

.dropdown-content a {
    color: black;
    padding: 12px 16px;
    text-decoration: none;
    display: block;
}
```

```
        .dropdown-content a:hover {
            background-color: #938c8c;
        }
        .dropdown:hover .dropdown-content {
            display: block;
        }
        .dropdown:hover .dropbtn {
            background-color: #eff2ef;
        }
        .dropbtn {
            padding: 15px 20px; /* Increased padding */
            font-size: 18px; /* Increased font size */
        }
        @media screen and (max-width: 600px) {
            .content {
                flex-direction: column;
                align-items: center;
            }
        }
    </style>
</head>
<body>
    <header>
        <h1>Ticket Reservation System</h1>
        <nav>
            <ul>
                <div class="dropdown">
                    <button onclick="toggleMenu()" class="dropbtn">&#9776;
Menu</button>
                    <div id="menuDropdown" class="dropdown-content">
                        <a href="contact.html">Contact us</a>
                        <a href="login.html">Log out</a>
                    </div>
                </div>
            </ul>
```

```
        </nav>
    </header>

    <div class="content">
        <a href="trains.html" class="card">
            <img src="images/tra.jpg" alt="Train Image">
            <h2>Trains</h2>
        </a>
        <a href="buses.html" class="card">
            <img src="images/bu.jpg" alt="Bus Image">
            <h2>Buses</h2>
        </a>
        <a href="flights.html" class="card">
            <img src="images/flt.jpg" alt="Flight Image">
            <h2>Flights</h2>
        </a>
    </div>

    <footer>
        <p>&copy; 2024 Booking Website. All rights reserved.</p>
    </footer>

    <script>
        function toggleMenu() {
            var dropdownContent = document.getElementById("menuDropdown");
            dropdownContent.style.display = dropdownContent.style.display ===
"block" ? "none" : "block";
        }
    </script>
</body>
</html>
```

Style.css

```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

/* Basic styling */
body {
    font-family: Arial, sans-serif;
    background-color: #f0f0f0;
}

header {
    background-color: #590505;
    color: #fff;
    padding: 20px;
}

header h1 {
    margin: 0;
}
nav ul {
    list-style-type: none;
}
nav ul li {
    display: inline;
    margin-right: 20px;
}
nav ul li a {
    color: #fff;
    text-decoration: none;
}
```

```
main {
    padding: 20px;
}

section {
    margin-bottom: 20px;
}

form input {
    width: 200px;
    margin-bottom: 10px;
}

form button {
    background-color: #590505;
    color: #fff;
    border: none;
    padding: 10px 20px;
    cursor: pointer;
}

form button:hover {
    background-color: #590505;
}

footer {
    background-color: #590505;
    color: #fff;
    text-align: center;
    padding: 10px;
}
```

Script.js

```
 document.addEventListener('DOMContentLoaded', function () {
const searchForm = document.getElementById('searchForm');
const resultsSection = document.getElementById('results');

searchForm.addEventListener('submit', function (event) {
    event.preventDefault(); // Prevent form submission

    const departure = document.getElementById('departure').value;
    const destination = document.getElementById('destination').value;

    // Perform search (not implemented in this example)
    const searchResults = performSearch(departure, destination);

    // Display search results
    displayResults(searchResults);
});

function performSearch(departure, destination) {
    // Simulate search results
    return [
        { id: 1, departure: 'City A', destination: 'City B', price: '$100' },
        { id: 2, departure: 'City C', destination: 'City D', price: '$150' },
        { id: 3, departure: 'City E', destination: 'City F', price: '$120' }
    ];
}

function displayResults(results) {
    // Clear previous results
    resultsSection.innerHTML = '';

    if (results.length === 0) {
        resultsSection.innerHTML = '<p>No results found.</p>';
    } else {
```

```
            const ul = document.createElement('ul');

            results.forEach(result => {
                const li = document.createElement('li');
                li.textContent = `From ${result.departure} to ${result.destination},
Price: ${result.price}`;
                ul.appendChild(li);
            });

            resultsSection.appendChild(ul);
        }
    }
});
```