Event Ticketing Management System

MINI PROJECT – II

SYNOPSIS

Department of Computer Science & Application

Institute of Engineering & Technology

SUBMITTED TO: -

Ms. Ruchi Talwar

(Technical Trainer)

SUBMITTED BY: -

Puneet Kumar(201500534)

Surya Kant Mishra(201500724)

Vidhan Sharma(2115990024)

Manisha Gupta(201500385)

Acknowledgment

It gives us a great sense of pleasure to present the synopsis of the B.Tech mini-project undertaken during B.Tech III Year. This project is going to be an acknowledgment to the inspiration, drive and technical assistance will be contributed to it by many individuals. we owe special debt of gratitude to Ms. Ruchi Talwar, Technical Trainer, for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal, and for constant support and guidance to our work.

Her sincerity, thoroughness and perseverance has been a constant source of inspiration for me. I believe that he will shower me with all his extensively experienced ideas and insightful comments at different stages of the project & also taught me about the latest industry-oriented technologies. I also do not like miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

Puneet Kumar (201500534)

Surya Kant Mishra (201500724)

Vidhan Sharma (2115990024)

Manisha Gupta (201500385)

ABSTRACT

The Event Ticketing Management System is a website that enables users to purchase tickets for events that are taking place in a college. The website provides a list of upcoming events, and users can browse through these events and choose the ones they are interested in attending. Once a user selects an event, they can purchase tickets through the website, which eliminates the need for them to physically visit the event venue or purchase tickets from an external vendor.

One of the unique features of the system is that when a user purchases a ticket through the website, the system automatically generates a digital ticket for the event. This ticket includes a QR code, which can be scanned at the event venue for admission. This feature eliminates the need for users to print physical tickets or wait in long lines at the event venue for admission.

The system provides a centralized platform for event organizers to manage their events' ticketing, including registration and pricing. Organizers can create event pages on the website, which include event details such as date, time, venue, and pricing information.

By using the system, event organizers can increase efficiency, reduce workload, and provide attendees with a better experience.

Overall, the Event Ticketing Management System serves as a convenient and efficient way for users to purchase tickets for events in their college, while also providing event organizers with a comprehensive tool for managing their events' ticketing. The system's automatic ticket generation feature with a QR code makes the admission process smoother for attendees and reduces the workload for event organizers.

Contents

INTRODUCTION

The Event Ticketing Management System is an online platform designed to simplify the process of purchasing tickets for events taking place in a college. The system enables users to browse through a list of upcoming events, select the events they are interested in attending, and purchase tickets directly through the website. This eliminates the need for users to physically visit the event venue or purchase tickets from an external vendor, saving time and effort.

The system also provides event organizers with a centralized platform to manage their events' ticketing, including registration and pricing. With its user-friendly interface, the system is easy to navigate for both users and event organizers, making it a convenient and efficient tool for managing and promoting events.

The primary objective of the Event Ticketing Management System is to provide a hassle-free and streamlined process for both event organizers and attendees. By automating ticketing and registration processes, the system reduces workload for event organizers and provides a better user experience for attendees. Additionally, the system's analytics and reporting features allow event organizers to track the progress of their events and make data-driven decisions to improve future events.

SOFTWARE AND HARDWARE REQUIREMENTS

- Visual Studio code.
- XAMPP control Panel
- Maria Database
- Ethernet Adapter
- 512 MB Ram
- Window 10

PROJECT DESCRIPTION

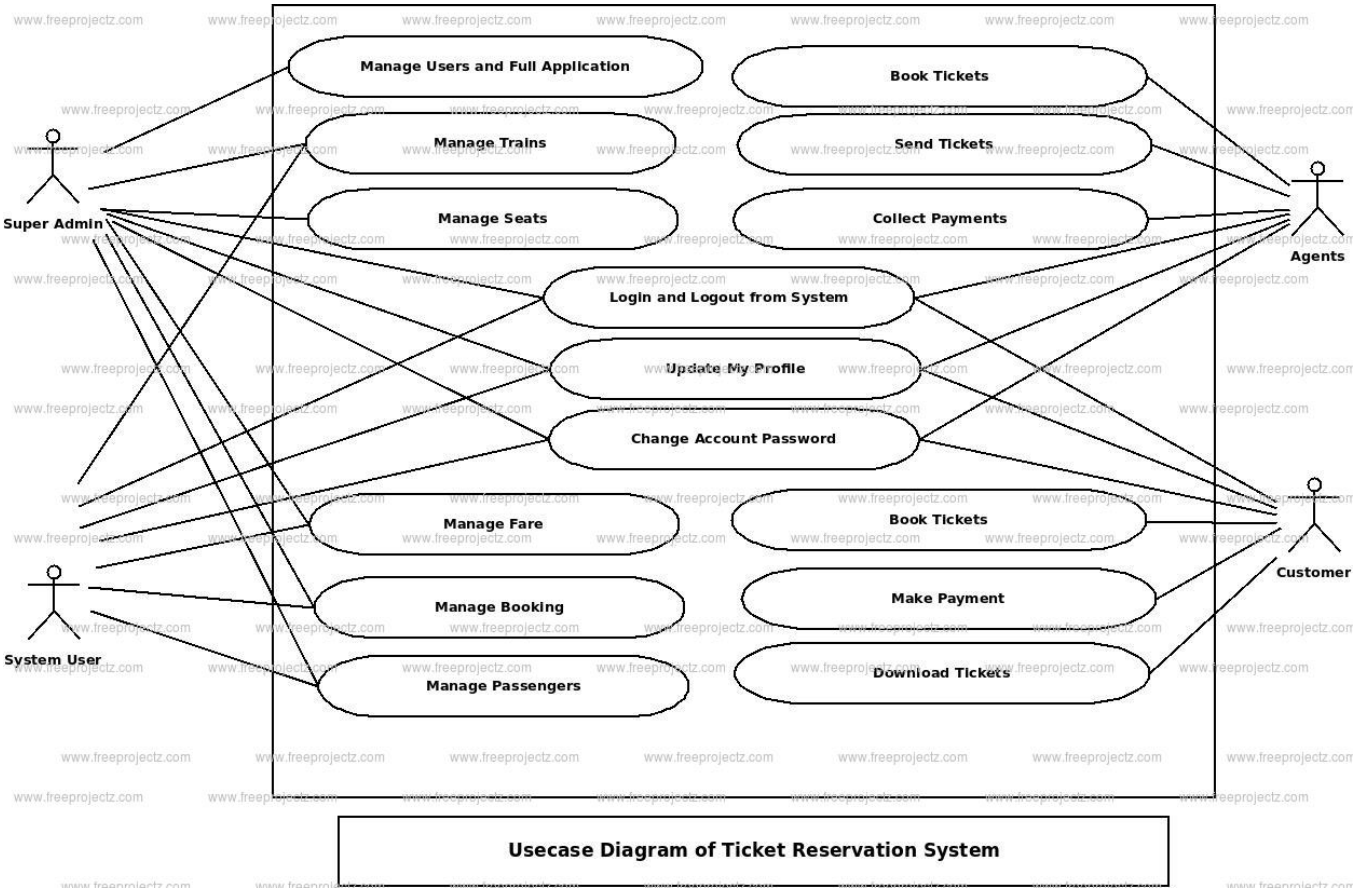
The Event Ticketing Management System is an online platform that provides a comprehensive tool for managing events in a college. The system aims to simplify the process of event management, from planning and organizing to ticketing .

The system provides a user-friendly interface for both event organizers and attendees. Event organizers can create event pages on the website, which include details such as date, time, venue, pricing, event description, and promotional materials. They can also manage ticket sales and registration through the system, eliminating the need for external vendors or manual registration processes.

The system also includes features for promoting events on social media platforms and email marketing campaigns. Event organizers can track the progress of their events using the system's analytics and reporting features, which provide real-time data on ticket sales, attendee demographics, and other metrics.For attendees, the system provides a convenient and hassle-free way to purchase tickets for events. Users can browse through a list of upcoming events, select the events they are interested in attending, and purchase tickets directly through the website. The system also provides automated email notifications and reminders to attendees regarding event details and updates.

The Event Management System aims to provide a comprehensive tool for managing all aspects of events in a college, from planning to promotion and ticketing. By simplifying and automating event management processes, the system saves time and effort for event organizers while providing a better experience for attendees.

Use case Diagram



Usecase Diagram of Ticket Reservation System

IMPLEMENTATION

Front-End Development:
Once you have a design in place, you can start building the front-end of the website using HTML, CSS, and JavaScript. You can use a front-end framework like Bootstrap or Tailwind CSS to make the development process faster and more efficient.

Back-End Development:
After completing the front-end development, you can start building the back-end of the website using PHP, MySQL, and GraphQL. You can use a PHP framework like Laravel to speed up the development process and handle the back-end logic, such as user authentication, event creation, ticket sales, and payment processing.

Testing and Deployment:
Once the website is complete, it's important to test it thoroughly to ensure it works as expected. You can use testing frameworks like PHP Unit and Selenium to test the functionality of the website. Finally, you can deploy the website to a web server using a tool like Apache or Nginx.

Here are some specific implementation details for each language:

HTML and Tailwind CSS:

Use semantic HTML to structure the website's content.
Use Tailwind CSS to style the website's layout, typography, andvisual design.
Use a responsive design approach to ensure the website works well on all devices.

JavaScript:
Use JavaScript to add interactivity to the website, such as dropdown menus and form validation.
Use JavaScript frameworks like React or Vue.js to build more complex features, such as event calendars and ticket purchase flows.

PHP:
Use PHP to handle server-side processing, such as user authentication and database interactions.
Use a PHP framework like Laravel to speed up the development process and handle common back-end tasks, such as routing and middleware.

MySQL:
Use MySQL to store and retrieve data related to events, users, and ticket sales.
Use database migrations to manage the database schema and changes.

GraphQL:
Use GraphQL to create a flexible and efficient API for the website.
Use a PHP library like Lighthouse to implement the GraphQL API.

Tailwind CSS:
Use Tailwind CSS to speed up the development process and create a consistent visual design across the website.
Customize Tailwind CSS to match the website's branding and style.

REFERENCES:

Books:

- "Operations Management"-- Jay Heizer and Barry Render
- "Modern Inventory Management: Methods and Techniques"— Elmut H. Baumgarten and Kalyan Singhal
- Professional Java Server Programming

Websites:

- www.ascm.org
- www.google.com
- www.informs.org
- www.javaworld.com
- www.projectdeveloper.com

Faculty Guidelines:

Ms. Ruchi Talwar (Technical Trainer in GLA University)