



PROJECT PROPOSAL

Web Technologies (CSC-336)

HTML, CSS, JavaScript



Submitted To:

Mr. Aamir Shabbir Parre

Submitted By:

Wajahat Ali Tahir

(SP22-BSE-051)

Mohammed Hasan Al Salehi

(SP22-BSE-053)

Date 02-04-2024

Abstract

The "Ticket Management System" project aims to develop a user-friendly web platform tailored to the needs of transportation companies. By focusing on efficient ticket management for staff, the system seeks to address common issues such as delays and customer dissatisfaction prevalent in existing systems. Our vision is to streamline operations and enhance passenger experience by leveraging modern technologies and user-centered design principles. With a scope covering design, development, and deployment, the system holds promise for revolutionizing ticket management processes worldwide. Key tools and technologies include HTML5, CSS3, JavaScript, Node.js, Firebase, Git, VS Code, and Figma.

Table Of Content

- 1. Introduction..... 4
- 2. Problem Statement..... 4
- 3. Problem Solution/ Objectives of Proposed System..... 4
 - 3.1. Objectives.....4
- 4. Related System Analysis.....4
- 5. Vision Statement.....4
- 6. Scope.....5
- 7. Tools & Technologies.....5
- 8. Conclusion.....5

1. Introduction:

The proposed project aims to develop a web-based platform named **"Ticket Management System"**, catering to the needs of transportation companies and their passengers. With the increasing reliance on online platforms for ticket booking and management, there is a growing demand for a user-friendly and efficient solution that streamlines the ticket management process for both staff and passengers. But for now, the main focus is on creating management-side pages to manage tickets.

2. Problem Statement:

Existing ticket management systems often lack comprehensive features and user-friendly interfaces. This leads to delays, errors, and customer dissatisfaction. The project seeks to address these shortcomings by developing a dedicated ticket management system tailored to the needs of transportation companies.

3. Problem Solution/Objectives of the Proposed System:

The proposed solution involves the development of a comprehensive web platform that enables transportation companies to efficiently manage ticket booking, cancellation, and modification processes. The objectives of the system include creating a user-friendly interface and implementing robust ticket management functionalities.

3.1 Objectives:

- Develop a website that has a user-friendly and intuitive interface
- Implementing the robust search and filtering Functionalities

4. Related System Analysis:

A thorough analysis of existing ticket management systems reveals common issues such as outdated interfaces, and limited functionalities. By addressing these shortcomings, the proposed ticket management system aims to enhance operational efficiency and passenger satisfaction.

5. Vision Statement:

Our vision is to create a leading ticket management system that empowers transportation companies to streamline ticket management processes and enhance passenger experience. By leveraging modern technologies and user-centered design principles, we aspire to

become the preferred choice for transportation companies seeking efficient and reliable ticket management solutions.

6. Scope:

The scope of the project includes the design, development, and deployment of the core features and functionalities outlined in the objectives section. This encompasses the creation of user interfaces, implementation of backend systems, and much more.

7. Tools & Technologies

Tools and technologies that will be utilized in the development process are listed, providing insight into the project's technical requirements.

Frontend: HTML5, CSS3, JavaScript, Some CSS frameworks

Backend: Node.js, Firebase

Additional tools: Git for version control, VS Code, Figma for UI/UX design

8. Conclusion

In conclusion, the proposed ticket management system holds great promise for enhancing operational efficiency and passenger satisfaction in the transportation industry. By focusing on user-friendly interfaces, and robust functionalities, we believe that our platform has the potential to revolutionize ticket management processes for transportation companies worldwide.