Problem Statement:

In today's digital era, online shopping has become an essential part of people's lives. However, there are still many issues related to the online shopping system that need to be addressed to ensure a smooth and satisfactory experience for customers. One of the significant problems is the lack of a centralized platform that can offer a seamless online shopping experience to customers. Many online stores offer a variety of products, but customers often find it challenging to navigate through them and find what they need. Moreover, they are sometimes misled by fraudulent websites, leading to a loss of money and trust in the online shopping system.

SRS Document:

Introduction:

The purpose of this SRS document is to describe the requirements for an Online Shopping System (OSS) that will provide customers with a convenient and secure platform to shop for their desired products. This system will offer a comprehensive online shopping experience by bringing multiple stores and products under one roof. The system will also ensure that customers have a hassle-free experience by providing them with the necessary information and security measures.

Functional Requirements:

1. User Registration and Login:

Customers should be able to register themselves on the platform by providing their personal and contact details. Once registered, they should be able to log in and access the platform's features.

2. Product Catalog:

The platform should have a comprehensive product catalog that lists all the products available on the platform. The catalog should be organized in categories and subcategories to help customers navigate through the products easily.

3. Product Search:

Customers should be able to search for products using keywords, filters, or categories. The search results should be relevant and accurate, providing customers with the information they need to make informed decisions.

4. Shopping Cart:

Customers should be able to add products to their shopping cart and view the items they have added. They should be able to modify the quantity of the products or remove them from the cart.

5. Checkout:

The platform should offer a secure checkout process where customers can enter their shipping and payment information. The system should also provide customers with the option to review their order before finalizing it.

6. Payment Gateway Integration:

The platform should integrate with reliable and secure payment gateways to ensure that customers can make payments without any issues.

7. Order Tracking:

Customers should be able to track their orders in real-time and receive updates on their order status.

Non-Functional Requirements:

1. Performance:

The platform should be able to handle a large number of users and transactions simultaneously without any downtime or delays.

2. Security:

The platform should implement the necessary security measures to protect customer data and prevent unauthorized access to the system.

3. User Interface:

The platform's user interface should be intuitive, user-friendly, and visually appealing to provide customers with a seamless shopping experience.

4. Reliability:

The platform should be reliable and available 24/7, ensuring that customers can access it at any time.

Conclusion:

The Online Shopping System described in this SRS document aims to provide customers with a centralized platform that offers a seamless and secure online shopping experience. By addressing the functional and non-functional requirements mentioned above,

Problem Statement:

The railway reservation system is a critical part of the transportation industry, enabling customers to book train tickets for their travel. The existing reservation system has some limitations, such as long waiting times, manual processes, and limited accessibility. Therefore, there is a need for an efficient and user-friendly railway reservation system that can cater to the increasing demands of customers and provide a hassle-free booking experience.

SRS Document:

Introduction

The railway reservation system is a web-based application that enables customers to book train tickets online. The system aims to provide a seamless booking experience to customers, reduce manual processes, and improve accessibility. The system will have the following modules:

Functional Requirements

a. User Registration and Login:

The system should allow users to register and log in using their credentials. The registration process should include fields such as name, email address, phone number, and password. The system should also allow users to log in using their social media accounts.

b. Train Availability and Schedule:

The system should allow users to check the availability of trains, their schedule, and the fare for the desired destination. The user should be able to view the train timings, routes, and fare details.

c. Ticket Booking:

The system should allow users to book tickets online by selecting the desired train, date, and class. The system should also allow users to cancel their tickets and get a refund.

d. Payment Gateway:

The system should have a secure payment gateway that allows users to pay for their tickets online using debit/credit cards or net banking.

e. Seat Availability:

The system should allow users to check the availability of seats in the desired train and class. The user should be able to select the seat of their choice.

f. SMS and Email Notification:

The system should send SMS and email notifications to the users regarding their ticket booking status, cancellation, and refund.

g. Admin Panel:

The system should have an admin panel that allows the administrator to manage the system's operations. The admin should be able to add, modify, or delete trains, routes, and fare details.

Non-functional Requirements

a. Performance:

The system should be able to handle a large number of users simultaneously without any performance issues.

b. Security:

The system should have robust security features such as encryption, secure payment gateway, and secure login.

c. Accessibility:

The system should be accessible to users with disabilities. The system should follow accessibility guidelines and have features such as screen readers, color contrast, and keyboard navigation.

d. Usability:

The system should be user-friendly, easy to navigate, and have a simple user interface.

Conclusion

The railway reservation system is an essential application that enables customers to book train tickets online. The system aims to provide a seamless booking experience to users, reduce manual processes, and improve accessibility. The system should have functional requirements such as user registration and login, train availability and schedule, ticket booking, payment gateway, seat availability, SMS and email notification, and admin panel. The system should also have non-functional requirements such as performance, security, accessibility, and usability.