

7) Online Shopping System.

A) Problem Statement.

The problem is to develop an online shopping system that allows users to browse and purchase products online. The system must provide browsing feature, adding them to cart and checking out securely. Additionally, the system should provide features like tracking orders, managing user accounts and handling secure payments.

B) SRS

1) Introduction:

Purpose: To specify the requirements for the development of an online shopping system.

Scope: The document describes the overall working and main objective of the system and the value it will provide to customers. It also includes a description of development cost and time required.

Overview: The online shopping system is a platform that allows users to purchase products online.

2) General description.

It aims to provide users with a platform to purchase products online. The system provides search, filter, sort, buy and checkout features with free-delivery features for selected products.

3) Functional requirements.

The system should provide the following:

- User registration and authentication.
- Browse products by category.
- Search products.
- Add products to cart.
- Manage cart.
- Checkout and payment processing.
- Order tracking.
- User Account management.

4) Interface requirements.

The online shopping system should provide a user friendly interface for browsing products, managing the cart, checking out, managing user account.

5) Performance requirements.

The system should perform the following functions efficiently:

- Browse and search products.
- Add products to cart.
- Checkout, and payment processing.
- Order tracking.

6) Design constraints.

- Use of secure payment gateway.
- Use of SSL encryption for data security.
- Use of responsive design for cross-device compatibility.
- Use of scalable infrastructure for high traffic.

4) Non-functional attributes.

- The system should be accessible to users with disabilities.
- Include elements such as clear and concise product descriptions, intuitive navigation and responsive design.
- System should handle increasing number of users and transactions without experiencing performance issues or downtime.
- The system should comply with relevant regulations and standards such as data protection laws, payment card industry standards and consumer protection laws.