***SRS***

**Introduction :**

1. The purpose of this document is to define the requirements for the development of an e-commerce application , ensuring a seamless and satisfying experience for users.
2. The SRS focuses on the features and functionality and that directly impact users , encompassing account management , product discovery , shopping and order fulfilment .

**Different Perspective :**

1. **User Perspective :**
2. ***Functional Requirements :***

1. ***User Registration and Authentication*** –

**a.1)** User should be able to create accounts using valid email and password

**a.2)** System should support password reset facility

1. ***Product Discovery*** –

**b.1)** Product Search :-

User should be able to search a particular product on the basis of keywords or categories .

**b.2)** Product Details :-

Products pages should describe information like name , price , color , description , images ,etc.

1. ***Order Accomplishment*** –

**c**.**1)** User should receive immediate confirmation of payment and order placed via email or text message.

**c**.**2)** Placed order tracking and order history should be available in user’s profile

**c**.3) User should be able to provide feedbacks and ratings of the overall Shopping experience.

d**) *Shopping Essentials*** –

d.1) Users should be able to add/remove items from the cart

d.2) Users should be able to overview the contents in the cart before proceeding to payment

d.3) There should be multiple steps for payment being secure and user-friendly

1. ***Non-Functional Requirements :***
2. Response time for actions like searching , adding to cart , wish listing items or deleting should be within 3-4 seconds.
3. Design should be intuitive for users like listing of all kinds of types of shirts in shirts category similarly types of shoes in shoe category
4. User data should be encrypted
5. Secure payment processing should be integrated
6. ***External Interface Requirements :***

3.1*) User Interfaces* –

Intuitive and visually appealing mobile and web interfaces.

Clear navigation and responsive design for seamless user experience

3.2) *Hardware Interfaces –*

Compatible with standard web browsers like Chrome , Brave , Firefox and also with mobile devices.

Compatibility among the range of devices like desktops , mobile , laptops , tablets , etc.

3.3) *Software Interfaces –*

Integration with secure and reliable payment gateways.

DB should be MySQL , MongoDB ,etc

1. **Seller Perspective :**
2. ***Functional Requirements* :-**

* 1. ***Seller Registration and Authentication :***

Secure authentication methods including two-factor verification to protect seller’s account.

1.2) **Product Management :**

Sellers must be able to add , edit or delete product listing seamlessly.

Bulk uploading feature should be added for efficiency.

Real-time tracking of inventory to avoid overselling.

Automated notification for low level stocks.

* 1. ***Sales Monitoring :***

1.3.1 )Sellers should have access to a centralized dashboard displaying real-time sales data.

1.3.2) Sales analytics and reporting tools for performance assessment .

1.3.3) Customizable sales report based on time periods and product caegories

Sellers should be able to view and process incoming orders efficiently

Automated order confirmation notification to users

Batch order processing for multiple orders simultaneously

* 1. Seller Support :

In-app communication system for communication between user and seller.

Doubt centre for resolving customers inquiries and issues.

Automated responses for common queries for streamlined communications.

*Product Reviews –*

Sellers should be able to view and respond to product reviews.

1. **Non Functional Requirements :-**
2. Performance –

Quick Response to key actions

1. Usability –

Intuitive design for efficient product management and order processing.

1. Security –

Secure authentication and encryption.

1. **External Interface Requirements :-**
2. *User Interface –*

An intuitive and user-friendly seller dashboard.

Personalization options for seller dashboard

1. *Hardware Interfaces –*

Compatibility with standard web browsers and devices.

1. *Software Interfaces –*

Integration with secure and reliable payment gateway.

DBMS like MySQL or MongoDB