

Software Requirements Specification (SRS) for E-Fashion Software

Submitted By -

20BCD7127	RAHUL YADAV
20BCD7107	THOTA RAKESH
20BCD7065	NAGA CHAITANYA THOTA
20BCD7098	JONNADULA VENKATA RAHUL
20BCE7481	KUNTELLA HEMA VENKATA UPENDRA

1. Introduction

The E-Fashion software is an online platform designed to provide a seamless and user-friendly shopping experience for customers in the fashion industry. This document serves as a comprehensive Software Requirements Specification for the development team, outlining the functional and non-functional requirements of the software.

1.1 Purpose

The purpose of the E-Fashion software is to create an intuitive and secure platform that enables users to browse, search for, and purchase fashion products conveniently. The software aims to enhance the overall user experience by offering personalized recommendations, detailed product information, reliable customer support, and efficient order management.

1.2 Scope

The scope of the E-Fashion software includes the development of a web-based application accessible on desktop and mobile devices. The software will allow users to create accounts, browse products, search for specific items, add products to the shopping cart, proceed to secure checkout, track order status, and receive email notifications for order updates. It will also provide administrators with user management, inventory management, and sales reporting functionalities.

2. Overall Description

2.1 Product Perspective

The E-fashion software will be a standalone system that operates as a web application accessible through various browsers. It will interact with a secure payment gateway for processing online transactions.

2.2 User Classes and Characteristics

The software will cater to two main user classes: regular users and administrators. Regular users will include customers who browse and purchase products, while administrators will have access to manage user accounts, inventory, and generate reports.

2.3 Operating Environment

The E-fashion software will be hosted on a web server with support for the required technologies, such as a modern web browser, a database management system, and an email service provider for sending notifications.

3. Functional Requirements

3.1 User Management

- The system shall allow users to create an account with a unique username and password.
- The system shall provide the option to log in using social media accounts.
- The system shall support multiple user roles with different access levels.

3.2 Product Browsing and Searching

- The software shall provide a interface to browse products.
- The system shall offer intuitive navigation for different product categories.
- The system shall provide an advanced search feature with filters for precise results.
- The system shall allow users to customize their product searches.

3.3 Product Details and Comparison

- Product pages shall include comprehensive and detailed descriptions.
- The software shall showcase high-quality product images with zoom functionality.
- Users shall be able to easily compare products side by side.

3.4 Shopping Cart and Checkout

- Users shall be able to conveniently add items to their shopping cart.
- The system shall allow users to proceed to checkout and process online payments securely.
- The system shall provide a guest checkout option for users without an account.
- Users shall have the option to securely save payment information for future purchases.

3.5 Order Management

- The system shall generate and send email notifications to users for order updates.
- Users shall be able to track the status of their orders.
- The system shall provide real-time updates on order processing and shipping.
- Users shall have access to their order history and track shipments.

3.6 Feedback and Ratings

- Users shall be able to rate and provide feedback on purchased products.
- The website shall display both average ratings and individual user reviews for products.

3.7 Wishlist and Sharing

- Users shall have the ability to create and manage wishlists.
- Users shall be able to easily share product pages on social media.
- The website shall allow users to easily share their wishlists with others.

3.8 Support and Information

- Users shall have access to customer support 24X7.
- The website shall provide a comprehensive FAQ section for common inquiries.
- The website shall provide size charts and fit guides for accurate purchasing decisions.

4. Non-functional Requirements

4.1 Performance

- The software shall provide a responsive design for mobile devices.
- The website shall offer a seamless registration process.
- The website shall offer a user-friendly "Add to Cart" feature for a seamless shopping experience.

4.2 Security

- The checkout process shall be secure and streamlined.
- The website shall offer a secure and seamless payment process.

4.3 Usability

- The website shall have a user-friendly interface to browse products.
- The registration process shall be quick and hassle-free.
- The website shall provide personalized recommendations for users.
- The website shall provide size and fit recommendations based on user preferences.

4.4 Maintainability

- The system shall allow administrators to manage user accounts.
- The system shall provide an inventory management feature.

4.5 Reporting

- The system shall generate sales reports on a monthly basis.

4.6 Administrative Requirements

- The system shall allow administrators to manage user accounts, including creating, modifying, and deleting accounts.
- The system shall provide an inventory management feature to track product quantities and update stock levels.
- The system shall generate sales reports for administrators, including total sales, top-selling products, and revenue breakdown by category.

5. Conclusion

This SRS document provides a comprehensive overview of the requirements for the E-fashion software. It covers both functional and non-functional aspects, ensuring a user-friendly, secure, and efficient e-commerce experience for customers while offering robust management capabilities for administrators.