

SOFTWARE REQUIREMENT SPECIFICATION

1. SOFTWARE REQUIREMENT SPECIFICATION

1.1 INTRODUCTION

Requirements specification is the starting step for the development activities. It is currently one of the weak areas of software engineering. During requirement specification, the goal is to produce a document of the client's requirements. This document forms the basis of development and software validation. The basic reason for the difficulty in software requirements specification comes from the fact that there are three interested parties- the client, the end users, and the software developer.

1.2 PURPOSE

The origin of most software systems is in the need of a client, who either wants to automate an existing manual system or desires a new software system. The software system itself is created by the developer. Finally, the completed system will be used by the end users. Thus, there are three major parties interested in a new system: the client, the users and the developer. A basic purpose of software requirements specification is to bridge the communication gap. SRS is the medium through which the client and user needs are accurately specified. Indeed, SRS forms the basis of software development. A good SRS should satisfy all the parties, something very hard to achieve, and involves trade-offs and persuasion.

1.3 SCOPES

1.3.1 SYSTEM STATEMENT OF SCOPE

The Scribble Spot website is a comprehensive e-commerce platform dedicated to stationery enthusiasts, offering a wide range of products like notebooks, pens, and art supplies. It provides users with features such as easy navigation, search and filter options, a wish list, and cart management with automatic price calculations. Secure user registration and multiple payment methods, including online gateways and cash on delivery, ensure a seamless shopping experience. For administrators, the platform includes tools to manage products, update orders, and generate sales reports.

1.4 TECHNICAL OVERVIEW

1.4.1 USER CHARACTERISTICS

The system can be accessed by two types of users, the Admin and User. The admin has access only to the admin dashboard. The Customer have access to the site and all its services. The admin is invisible to user.

1.5 STATED REQUIREMENTS

1.5.1 GENERAL REQUIREMENTS

The system has 9 functional modules divided by admin and users.

1. Login

- Only registered users, and admin can login to system to avail the service.
- The registered users, and admin uses their email id and password to login.
- The email id and password should always be valid.
- Password can also contain both upper case and lower case alphabetic, numbers and special character.
- Admin will be redirected to the admin panel when login with the predefined email id and password.
- User will be redirected to the user home page when login with the predefined email id and password.

2. Sign up

The new users need to register in order to get services like adding item to cart, adding item to wish list, writing reviews, making orders and making payments and to avail all the services. This includes several fields: Email, Password

3. Admin Panel

The admin panel contain different admin activities like view and manage orders and delivery, check and give updates for menu items such as add item, delete item, update item, check and give updates for reviews, check and give updates for gallery, check and give updates for user registration.

4. Index Page

- The initial page of reminds site where customers are taken first
- .Both unregistered and registered customers can view this home page.
- When user needs services but the user is not logged in, the service will not be enabled.

5. about Page

- The About page of the sweet-selling website provides customers with information about the brand, history, and mission of the business.
- Both unregistered and registered customers can view this about page to learn more about the sweets and the team behind the business.
- While general information is accessible to all users, certain personalized features, like customer reviews or special offers, will only be available to registered and logged-in customers.

6. Menu page

- The Menu page of the sweet-selling website displays a variety of sweets offered, along with their name, quantity, and prices.
- Only registered customers can browse the available sweets on the Menu page, explore product name, price, quantity, and view images.
- However, only logged-in customers will be able to place an order directly from the Menu page. Services like adding items to the cart, wish list or proceeding to checkout are enabled exclusively for registered users.

7. Order Page

- The Order page of the reminds website allows customers to order multiple items, which can be fetched from the Menu, Wish list, Cart, or added directly from the Orders page
- Registered and logged-in customers can select sweets they wish to order and add them to their order list.
- On the Order page, customers will need to provide details like email, name, country, state, city, and landmark (optional), along with mandatory fields like pin code and payment method.
- The page supports various payment methods, ensuring a smooth checkout experience, and allows customers to review and finalize their orders.

8. Review Page

- The Review page of the sweet-selling website allows registered and logged-in customers to submit ratings, comments, and reviews, including the option to upload images of the sweets they've purchased.
- The review form enables customers to share their feedback, rate their overall experience, and showcase their favorite products with images.
- The page also displays the team behind the business, introducing customers to the people responsible for crafting the sweets.
- At the bottom, a footer is provided, featuring contact information, quick links (like Home, Menu, Order, etc.), and social media links for easy navigation and customer support.

9. Your orders Page

The "Your Orders" page is designed to let users view details about their past and current orders. Users should be able to view their order history, check the status of their current orders, and see updates when an order status changes.

1.6 EXTERNAL INTERFACE REQUIREMENT

1.6.1 USER INTERFACES

All user interfaces will be GUI interfaces. Interfaces are designed to use with ease and without any confusion. The user interface shall have a pleasing appearance and high functionality.

- Suitable design and pleasing colors are selected to design the window page to make the users comfortable to operate the software.
- Component like textboxes, buttons are selected to make it easy to fill with appropriate data.

1.6.2 HARDWARE INTERFACES

The System needs a computer or any other smart phones or devices with network availability to browse into the web application. No other external hardware is required.

HARDWARE SPECIFICATION

Processor: Intel Pentium or higher

RAM: 256 MB or higher

Hard disk drive: 100MB is required on disk

Keyboard: Standard QWERTY keyboard

IMPLEMENTATION SPECIFICATION

Operating system: Windows OS

1.6.3 SOFTWARE INTERFACES SOFTWARE SPECIFICATION

Operating System: Cross-platform compatibility (Windows, macOS, Linux).

Database Management System (DBMS): MongoDB.

Tools Used:

Frontend: React.js with supporting libraries.

Backend: Node.js with Express.js framework.

Development Tools: Visual Studio Code (IDE), Postman for API testing, Git for version control.

Deployment: Platforms like AWS, Vercel, or Heroku for hosting.

This specification ensures compatibility and efficiency in developing, testing, and deploying the Scribble Spot platform using the MERN stack.