

# **SRS: Online Shopping Website using React JS.**

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## 1. Introduction

The purpose of the Software Requirements Specification is to describe and record the agreement between the customer and the developer regarding the required software product's specification. Its main objective is to offer a concise and detailed "statement of user requirements" that can be utilized as a guide throughout subsequent software system development. The many sections of this document are intended to logically divide the software requirements into easily readable components.

### Purpose:

The purpose of this system is to offer online goods or products for purchase for the actor(customers). The actor will be able to explore the **website** as a **guest user** or log in as a registered user due to the top-level features. If a customer just needs to find and view a few things, the browse and **search** items can be used as the main feature use case. There are various other use cases that may be added to the **search** and browse items use case. Customers can **search** for things, explore the **catalogue**, view, and choose these items, add them to their **shopping cart**, and view their **shopping cart**. Because they all offer some additional functions that enable customers to find items, all these use cases are extending use cases. The actor can buy because to the second set of features. The customer must either use the buy item now option with one-click payment **authentication** and verification (only available to registered users) or go through the **checkout** use case to complete the **transaction**. In the **checkout** use case, the customer enters the shipping address before specifying the payment method, which can be either a bank **account** or a **credit card**. The customer will review and order the item after giving the payment method.

## 2.User and Their Goals: -

### I. *User*: -

There will be two types of users **registered users** and **guest users**.

Registered users will be able to **search** for items and add to cart and purchase the items from the cart or buy the items directly. A registered users can be able to do everything a **guest user** does but not vice versa.

**Guest users** will be able to only **search** for items and lookup at the prices for the items but can't be able to purchase or buy the items. We will ask the **Guest user** to login to a registered **account** or create a **account** in the **website**.

### II. *Admin*: -

The goal for the **admin** is to add or update the **catalogue** and privilege login and check **authentication** and look for the customer order **billing** details and receive the order and look after the **invoices** for the customer and assist the customer.

There will be no shipping agent in our system because it will be partial developed. We are not linking the system with any partners for real time delivery.

### **3.Functional Requirements: -**

#### **I. User View: -**

##### **A. Placing an Order**

- 1.1) The **Guest user** shall be able to sign up using **email** id and password.
- 1.2) The **Registered User** shall be able to login to the **account** using his credentials.
- 1.3) The **Guest User and Registered User** shall be able to **browse items** and **compare prices** without logging in to the system.
- 1.4) The **Registered or Guest user** shall be able to visit all the categories that are available in the system.
- 1.5) The **Registered and Guest User** shall be able to **sort by price** and **availability of the product**.
- 1.6) The **Registered User** shall be able to add the items to the cart.
- 1.7) The **Registered User** shall be able to see products present in the cart.
- 1.8) The **Registered User** shall be able to remove the items from the cart.
- 1.9) The **Registered user** shall be able to buy items directly.
- 1.11) The **Registered User** shall be able to **edit and review the order**.
- 1.14) The **Registered User** shall be able to enter all the **delivery details** in the system.
- 1.15) The **Registered User** shall be able to receive **confirmation page** when the order is placed.
- 1.16) The **Registered User** shall be able to view **order details** and **payment method**.
- 1.17) The system shall send an order confirmation to the **Registered User** through the **email**.

##### **B. Pay**

- 1.18) The **Registered User** shall be able to select between **credit card or debit card or cash on delivery** to the pay the bill.
- 1.19) The **Registered User** shall be able to pay the bill with the PayPal or other payment methods.
- 1.20) The **Registered user** shall be able to add payment method.
- 1.21) The **Registered User** shall be able to save cards.
- 1.22) The **Guest User** shall be able to be redirected to sign in page on clicking the **buy now button**.

## C. Other

- 1.23) The **Registered user** shall be able to view **user profile**.
- 1.24) The **Registered User** shall be able to update the **user profile** by clicking on profile settings.
- 1.25) The **Registered User** shall be able to view active orders and order history in the customer profile.
- 1.26) The **Registered User** shall be able to save an item as favourite.
- 1.27) The **Registered User** shall be able to post reviews.
- 1.28) The **Guest User** and **Registered user** shall be able to view Reviews.
- 1.30) The **Registered User** shall be able to get refund to the originating bank **account**.
- 1.31) The **Registered User** shall be able to chat with the customer support.
- 1.32) The **Registered User** shall be able to logout of their **account**.

## II. Admin view:

- 2.1) The **administrator** shall be able to add, delete and update the products in the database.
- 2.2) The **administrator** shall be able to change delivery date and time according to the availability of the product.
- 2.3) The **administrator** shall be able to update product details.
- 2.4) The **administrator** shall be able to view the **invoices** of the order details.
- 2.5) The **administrator** shall be able to view the **sales statistics**.
- 2.6) The **administrator** shall be able to view the **product statistics**.
- 2.7) The **administrator** shall be able to view the order details.
- 2.8) The **administrator** shall be able to update count in the **stock**.
- 2.9) The **administrator** shall be able to view total sales, total orders, and total products in the **dashboard**.

## 4.Non-Functional Requirements:

- 1) Since it is **web application**, proper **internet** connection is required.
- 2) We will be able to use this on web browser chrome.
- 3)The **GUI** and **framework** used gives upscale look of items on the **website**.

## Glossary:

- **Account-** It consists of the user details which includes details such as username, user email address.
- **Admin-** The one who is responsible to maintain the **website**.
- **Authentication-** Verifying the identity of the user. For example, many **websites** send OTP to registered mobile number for verification.
- **Billing address-** The address where the customer's statement is mailed to.
- **Browse-** Reading superficially or at random.
- **Button-** Clickable item on the screen.
- **Cash on delivery (COD)-** A payment method where customers can pay through cash.
- **Cash-** money in the physical form of currency, such as banknotes and coins.
- **Catalogue-** This showcases all the products that are available on the **website** for shopping.
- **Checkout-** Confirm and pay goods (or services) using a payment facility.
- **Credit card-** A payment card issued to users as a system of payment.
- **Dashboard-** It is designed to highlight, in the clearest possible way, trends, anomalies and information related to an online store that regularly warrants attention.
- **Delivery details-** The details which are used to deliver the product. Full name, address, contact information comes under **delivery details**.
- **Ecommerce-** The buying and selling of goods and services online.
- **Email-** A mode of exchanging messages between people utilizing electronic devices.
- **Framework-** It is a tool that provides solutions to speed up the environment.
- **GUI-** Graphical User Interface which allows user to interact via graphical icons.
- **Guest user-** An unregistered user with limited access to the **website**.
- **Internet-** A network which provides information and communication.
- **Invoice-** A statement with list of products and their prices purchased by the customer.
- **Order Price-** The total amount of the products in the order.
- **Order-** It consists of list of products bought by the user.
- **Product Description-** It explains the details and features of the product.
- **Product Image-** The image which shows the product.
- **Product Price-** The cost of the product.
- **Product statistics-** The detailed information of the product after the analysis.

- **Registered user-** User who is already registered with the **website**.
- **Review-** Statement after the assessment of the product.
- **Sales Statistics-** Detailed information about the product sales.
- **Search-** The activity of looking thoroughly to find something
- **Shopping cart-** It has the items added by the users to purchase.
- **Stock-** Supply of products stored for the sale.
- **Transaction-** Purchasing an order from a business or other seller.
- **User Profile-** A **user profile** is a collection of settings and information associated with a user. It can be defined as the explicit digital representation of the identity of the user.
- **Web Application-** Application software that runs on web browsers.
- **Web Browser-** Software that allows you to view **websites** on **internet**. Chrome, Firefox are examples of web browsers.
- **Web application-** An application software that runs on the web browser.
- **Website-** It contains of webpages under one domain like amazon **website**.

Our website may look like this:

