

# **Software Requirements Specification Document for Online Medicines & Medical Equipments**

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# **1 Introduction**

## **1.1. Purpose**

Purpose of this SRS document is to provide a detailed description of the software product. This document describes about its users and also the project GUI, hardware and software requirements.

## **1.2. Scope**

This is a web application helps the user to purchase the drugs according to their needs.

## **1.3. Product perspective**

### **1.3.1 System interfaces**

This application runs on any browsers like latest version of Firefox, chrome working on Mac, Windows, Linux.

### **1.3.2 User interface**

The application user interface has menus, toolbars, buttons, text boxes to navigate through the application.

#### **1. Login Page**

2. Registration page

3. The main page shows the list of drugs, medical equipments and wellness products. In some cases the prescription given by the physician is mandatory.

4. The customer have an option for adding to cart and purchase.

5. While purchasing the application asks the user for purchase details including their name, phone number, email, delivery address and payment methods like card details, COD options and UPI payment.

### **1.3.3 Hardware interface**

A smooth network connection is necessary for the neat running of the application.

### **1.3.4 Software interface**

The system works on a networking computing model because all the requests and services are delivered over a network. We connect the front end and back end with the help of scripting languages such as PHP. We need database for storage on data's in an organized manner so we use MySQL for storing the data's related to the application. For naming purpose of the application we use the DNS service over internet

### **1.3.5 Communications interface**

The communication architecture follows the networking computing model. HTTPS is used for communication between client and server and should follow stateless protocol.

### **1.3.6 Memory constraints**

For storage and processing the application only requires a limited amount of memory.

## **1.4 Product Function**

This web application is used to purchase medical products as per customer's demand. While going through other web applications and conventional medical products suppliers it is difficult to find some medicines and medical products. In such cases this website is a dedicated online medical supplier which eases the customers to meet their needs. In some cases prescription by a registered physician is required to avoid unwanted drug usage. Some of the main functions of this application is listed below

### **1.4.1 Customer Sign-Up**

### **1.4.2 Login for Admin/Customer**

### **1.4.3 Add to cart**

### **1.4.3 Purchase**

### **1.4.4 Add delivery details**

### **1.4.5 Payment**

### **1.4.6 Updating products details by Admin**

## **1.5 User characteristics**

Customers and Admin are the users of this system. Customers signup with their email for making purchase. An Admin/Administrator is the one who ensures the web application operates efficiently which means the responsibilities like updating items, proceeding orders etc.

## **1.6 Assumptions and dependencies**

A working internet connection is required for the proper working of the software. For completing the registration process an email ID should be attached. Order details will be shared via this registered email.

## **1.7 Acronyms and abbreviations**

Bold letters indicate main functions where hyperlinks and notes are indicated by underline and Italics respectively. Some abbreviations and terms used in this system are stated below.

### **1.7.1 Admin**

The person who takes care of the application. He/She will be responsible for the proper working by updating everything in correct time

### **1.7.2 Database**

All the information regarding this web application is stored in the database.

### **1.7.3 Field**

A cell inside a form.

## **2 Requirements**

### **2.1 External Interfaces**

Software engineering has many interfaces regarding software; they include User Interface, Hardware Interface, Software Interface.

#### **2.1.1 User Interfaces**

The pages which can be interacted by user are known to be User Interface. They are developed by HTML and PHP. The forms such as Login form, Signup form, Delivery details form etc are made in HTML.

#### **2.1.2 Hardware Interfaces**

The local address of the system will be in IPV6 format.

#### **2.1.3 Software Interface**

To identify all the available components the system must interact with the configurator. The system can obtain product specification by communicating with the content manager.

### **2.1.4 Communication Interface**

We use the secure protocol of HTTP which is HTTPS for the file transfer and communication between client and server. Networking computing model is used in this project.

## **2.2 Functions**

### **2.2.1 Registration of Customers**

Name, email and contact is mandatory for registration. Address for delivery should be provided by the customer while making an order.

### **2.2.2 Login for Customers/Admin**

In case of customers the password made at the time of registration should be provided with the registered email for login. Admin has the same login page as the customer in which they have to fill the fields with the email and password they have.

### **2.2.3 Viewing product details**

The item details such as name, price, review are shown with item which the customer wants to purchase. Quantity option is provided along with the item.

### **2.2.4 Adding products to cart**

The wished products can be added to cart for purchase with the required quantity. The subtotal will be shown.



### **2.2.5 Payment**

After making an order the payment option should be selected. Cash on delivery, upi payment and card payments are available in the application.

### **2.2.6 Adding product details**

Admin is the one who update the product details such as price, stock etc.

### **2.2.7 Adding review**

Adding a review about the product can be done by the customer.

## **2.3 Usability requirements**

Ease of use is really important for the software. Accessibility of the different function that belongs to various users should function in an efficient manner.

## **2.4 Performance requirements**

The performance of the system is evaluated by the time taken for loading the initial screen. The backend operation should be done without any lag.

## **2.5 Database requirements**

The data and related information are kept in the database in a secure manner. The data of the customer should be stored after encryption. So that we can ensure the safety of the data.

## **2.6 Design constraints**

Performance of the software should not be affected by its design. The time and budget constraints should be satisfied. An attractive and maintainable design should be considered.

## **2.7 Software system attributes**

The latest version of chrome, firefox or safari can be used to run the application. The data should be confidential ie, the application must not send any data over internet. The inputs made by the user are analyzed by the system.

## **3.Verification**

The verification includes checking whether all the above mentioned requirements are fulfilled in the final product. Then the proposed system is evaluated all the functional and non-functional requirements should be accomplished. The client examines if all the requirements gathered from them are satisfied.

## **4. References**

Software Requirements Specification Document for ReqView

<http://srs-onlineshopping.blogspot.com>

Software Requirements Specification Document for LocalShopee

