**SOFTWARE REQUIREMENT SPECIFICATION**

**3.1 INTRODUCTION**

A web application which can provide the online shopping service for the customer to access the web service from his Smartphone. Web application should be able to help the customer for selecting his item and to help the owner in managing the orders from the customers.

**3.1.2 Scope**:

 This document describes the requirements along with interfaces for the system. It is meant for use by the developers and will be the basis for validating the final delivered system.

**3.1.3 Overview:**

The system helps in buying of products and services online by choosing the listed products from website (E-Commerce site).

**3.2     Overall Description:**

**3.2.1 Product Perspective**:

The proposed system is a solution carry out buying products online.

**3.2.2 Product Functions**:

The system allows the customer to buy products online across internet connection globally.

**3.2.3 User Characteristics**:

There are 2 kinds of users for the proposed system.

* **Administrators**:

Are the ones who adds or administers the categories for the products, and administers the Customer. Admin will add their products to the database, which will be seen in the website to the end users or say customers who can buy the products by selecting the one they need and have ability to manage the products added by them.

* **Customers**:

The Customer will be the one who visits the website and buys products online from the ones added by the Administrators.

**3.3. External Interface Requirements**:

**3.3.1 User Interfaces**:

Each part of the user interface intends to be as user friendly as possible. The fonts and buttons used will be intended to be very fast and easy to load on web pages.

The pages will be kept light in space so that it won’t take a long time for the page to load.

**3.3.2.  Hardware Interfaces**:

* Processor: intel core i3 or Higher.
* RAM: 312MB or Higher.

**3.3.3   Software Interfaces**:

* Operating System:

Unix, Linux, Mac, Window

s etc..

* Development tools:

Python, Flask

* Data Base:

MySQL

**3.4. Functional Requirements**

**3.4.1. Module Maintenance**:

The module consists of information about the products and services. This includes many sub-modules

**3.4.1.1. Product Details:**

Product details includes the information about particular product, such as product number, item, name, category, images of products, description, features, constraints of products, which are to be displayed on the website.

**3.4.1.2. Order Details:**

Order Details will have the list of products ordered and the customer details who have bought that product, which are undelivered.

**3.4.1.3. Delivery Details:**

Delivery Details will generate products list, which are delivered to customers.

**Design Constraints**:

There are few constraints that the system should follow.

They are:

* All the inputs should be checked for validation and messages should be given for the improper data.
* The invalid data are to be ignored and error messages should be given.
* Details provided by the Customer during his sign up should be stored in database.
* While adding the products to the system, mandatory fields must be checked for validation whether the Admin has filled appropriate data in these mandatory fields.
* If not, proper error message should be displayed or else the data is to be stored in database for later retrieval.
* All mandatory fields should be filled by customer, while buying the items from the cart.

**MODULE DESCRIPTION**

**MODULES**

The system after careful analysis has been identified to be presented with the following modules and roles.

The modules involved are:

* + - * Administrator
      * Customers

**1.1 ADMINISTRATOR**

The administrator is the super user of this website. Only admin have access into this admin page. The administrator has all the information about all the users and about all products.

This module is divided into different sub-modules.

1. Manage Products
2. Manage Users
3. Manage Orders

## 1.1.1 MANAGE PRODUCTS

Add Products

The shopping cart project contains different kind of products. The products can be classified into different categories by name. Admin can add new products into the existing system with all its details including an image.

Delete Products

Administrator can delete the products based on the stock of that particular product.

Search Products

Admin will have a list view of all the existing products. He can also search for a particular product by name.

**1.1.2 MANAGE USERS**

View User

The admin will have a list view of all the users registered in the system. Admin can view all the details of each user in the list except password.

**1.1.3 MANAGE ORDERS**

View Order

Administrator can view the Orders which is generated by the customer.

**1.2 CUSTOMERS**

Sign up

A new customer will have to register in the system by providing essential details in order to view the products in the system.

Sign in

A customer must login with his username and password to the system after registration.

View Products

Customer can view the list of products based on their names after successful login. A detailed description of a particular product with product name, products details, price can be viewed by customer.

Search Products

Customer can search for a particular product in the list by name.

Add to Cart

The customer can add the desired product into his cart by Selecting add to cart option on the product. He can view his cart. All products added by cart can be viewed in the cart. Customer can remove an item from the cart by Select remove.

Submit Cart

After confirming the product in the cart the customer can submit the cart.