**Software Requirements**

**Specification**

**Version 1.0**

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**Online Shopping System**

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1. **Introduction**

## Purpose

The purpose of this document is to present a detailed description of the **Online Shopping software system**. It will explain the purpose and features of the system, the interfaces of the system, what the system will do.. The Online Shopping System (OSS) is intended to provide complete solutions for vendors as well as customers through a single get way using the internet. It will enable vendors to setup online shops, customer to browse through the shop and purchase them online without having to visit the shop physically.

***1.2.Scope of project***

This software system allows the customers’ to maintain their cart by adding or removing the product. It allows online sales, distribution and marketing of goods.

***1.3. Glossary***

|  |  |
| --- | --- |
| Term | Definition |
| OSS | Online shopping system |
| Field | A cell within a form |
| Database | Collection of all information monitored by the system |
| Customer/End User | The person who use the system and buy products |

## 1.4.References

IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specification. IEEE Computer Society, 1998.

***1.5.Overview of Document***

This system provides an easy solution for customers to buy the product without going to the shop and also to shop owner to sale the product. This proposed system can be used by any naïve users and it does not require any educational level, experience or technical expertise in computer field but it will be of good use if user has the good knowledge of how to operate a computer.

1. **Overall Description**

Marketing staff have to become accustomed to the various product features in order to effectively advertise the product.

**2.1. System Environment**

The Online Shopping System has two active actors for the proposed system.

-Administrator Access to the online shopping system for the administration through the Internet..

- Customer is provided with individual login and can only view the item details and order items that they choose to buy.

**2.2. Functional Requirement Specification**

This section outlines the use cases for each actor in this system.

2.2.1 Admin Use Case

Use Case: **Add and Update Product**

**Diagram:**

**Brief Description**

This feature is available only for the administrator. Only the administrator can add products and update details of the product in the database

**Initial Step-By-Step Description**

**-** Administrator clicks the button to initiate Update Product process.

-The system prompts the administrator to fill out product ID.

- The corresponding product details are displayed.

- The admin can update any value except the ID of the product.

- System validates the new product information and update it in the database.

**Xref:** Section 3.2.2 , Add and Update Product.

2.2.2 Customer Use Case

Use Case: **Register,** **Login**

**Diagram:**

**Brief Description**

This features creates an account for a new user in the system. For a user to be able to buy any item he/she must have an account and must be logged into it. This feature enlists the user details in the database.

**Initial Step-By-Step Description**

**-**Customer first clicks on the button or link to initiate registration process.

**-**The system then prompts the customer to fill out his/her first name, last name, shipping address, email address, and their password.

**-**Customer enters the fields. System validates the customer's information and creates a new account for the Customer.

-Once a Customer registers he/she clicks on the log in button to initiate the login process.

-The system prompts the customer for his/her email and password and verifies the information.

-After verification the system displays account home page to the Customer.

**Xref:** Section 3.2.1 , Registration and Login.

**2.3. User Characteristics**

- The Administrator is expected to be able adds or administers the products and update the database containing the products.

- The end user/customer is expected to be able to visits the website and buys products online from the ones added by the administrator.

**2.4.Non-Functional Requirements**

**-** Security

**-** Reliability

**-** Maintainability

**-** Portability

**-** Extensibility

**-** Reusability

**-** Compatibility

**-** Resource Utilization

**3. Requirements Specification**

**3.1.External Interface Requirement**

The hardware developers need to know the requirements of the device they need to build. The marketing staff also needs to understand the external interface requirements to sell the product.

Various interfaces for the product could be

1). Login Page

2). Registration Form

3). There will be a screen displaying information about product that the shop having.

4). If the customers select the buy button then another screen of shopping cart will be opened.

5). After ordering for the product, the system will sent one copy of the bill to the customer’s Email address..

**3.2.Functional Requirement**

**-Registration, Login**

If customer wants to buy the product then he/she must be registered ,unregistered user

Can’t go to the shopping cart.

Customer logins to the system by entering valid id and password for the shopping.

**-Add, Update Product**

**-Payment**

in this system we are dealing the mode of payment by cash, we will extend this to credit card, debit card , etc in the future.

**-Logout**

After ordering or surfing for the product, customer has to logout.

**-Changes to cart**

Changes to cart means the customer after login can make order or cancel order of the product from the shopping cart.

**3.3.Detailed Non-Functional Requirement**

3.3.1. Logical Structure of the Data

- Maintainability:

The application is to be designed so that it is easily maintained. Also it should allow incorporating new requirements in any module of system.

-Reliability:

The application will be able to handle two orders. When a user confirms his/her order the database will be updated immediately and the next user will not face problems in ordering.

-Portability

The application will be easily portable on any window based system.

3.3.2. Security

The application is password protected and also any updation of new product entries and order processing is done by only privileged users.