
Software Requirements Specification

for

ONLINE SHOPPING SYSTEM

Version 1.0 approved

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DATE CREATED - 12th AUGUST,2021

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Revision History

| Name | Date | Reason For Changes | Version |
|------|------|--------------------|---------|
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1. Introduction

1.1 Purpose

The Online Shopping System (OSS) for general items shop web application is intended to provide complete solutions for customers through a single get way using the internet. It will enable customer to browse through the shop and purchase them online without having to visit the shop physically. The administration module will enable a system administrator to approve and reject requests for new shops and maintain various lists of shop category.

1.2 Document Conventions

No specific document convention was used while writing the SRS.

1.3 Intended Audience and Reading Suggestions

This document is intended for developers, customers and marketing staff/marketing purpose.

1.4 Product Scope

This system allows the customer's to maintain their cart for add or remove the product over the internet.

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1.5 References

References taken from the sample of Hospital Management System that was provided and internet browser/google.

2. Overall Description

2.1 Product Perspective:

This product aimed toward a person who don't want to visit the shop as he might don't get time for that or might not interested in visiting there and dealing with lot of formalities.

2.2 Product Functions:

OSS should support this use case:

- Support accessible to a customer:- customer can login or sign up to manage products online rather than visiting a store.
- Variety of products such as electronics, home accessories, and clothing for men, women and kids are available.

2.3 User Characteristics:

User should be familiar with the terms like login,register,order system etc.

2.4 Assumptions and Dependencies: Working of OSS need Internet Connection.

2.5 Operating Environment

- Customers can access our website on any of these operating systems Windows 7 and above and MAC OS X.
- The website will function on platforms or web browsers such as google chrome, Microsoft Edge, Mozilla Firefox and Safari.

2.6 Design and Implementation Constraints

- Memory requirements-
Processor: Dual Core
RAM: 2 GB
Hard Disk: 320 GB
- Technology used- MYPHP, HTML, CSS, MY SQL, JAVA, JAVASCRIPT.
- Tools required- VSCODE, XAMP, BOOTSTRAP, ORACLE / MySQL

3. External Interface Requirements

3.1 User Interfaces

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). The user can enter the product key to add the item in the cart.

3.2 Hardware Interfaces

Minimum Hardware requirements for insurance on internet will be same for both parties which are as follows:

Processor: Dual Core

RAM: 2 GB

Hard Disk: 320 GB

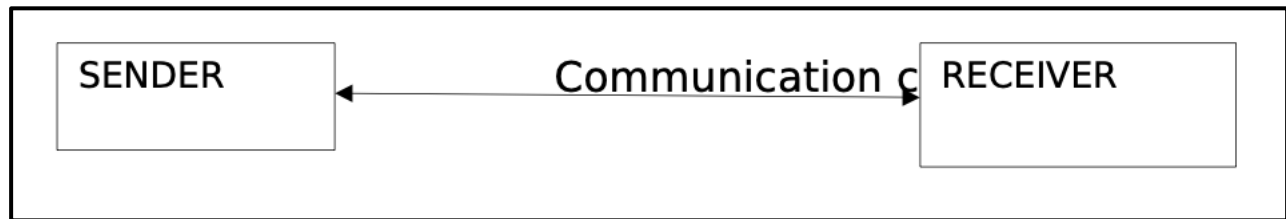
NIC: For each party

3.3 Software Interfaces

1. Operating System: Windows 7 Ultimate and above and also Mac OS X which supports networking .

3.4 Communications Interfaces

The two parties should be connected by LAN or WAN for the communication purpose.



4. System Features

- User friendly
- Easy search and high-resolution photos of the products/items available
- Discounts and special offers available on some of the products.
- Easy navigation and customer help in case of any trouble or queries.

4.1 System Feature 1

4.1.1 Stimulus/Response Sequences

The user will have login button that will direct the user to the website once the user details are filled.

If the user has not registered before so user can register to our website by clicking on the Sign-Up button that will direct the user to registration page.

4.1.2 Functional Requirements

This section provides requirement overview of the system.

Various functional modules that can be implemented by the system will be –

4.1.2.1 Registration

If customer wants to buy the product then he/she must be registered, unregistered user can't go to the shopping cart.

4.1.2.2 Login

Customer logs in to the system by entering valid user id and password for the shopping.

4.1.2.3 Changes to Cart

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

4.1.2.4 Customer Help

User can mention their queries related to the following areas of functioning such as:

Order related queries

5. Other Nonfunctional Requirements

5.1 Performance Requirements

- In order to maintain an acceptable speed at maximum number of uploads allowed from a particular customer as any number of users can access to the system at any time.
Also the connections to the servers will be based on the attributes of the user like his location and server will be working 24X7 times.

5.2 Safety Requirements

Secure access to consumer's confidential data.

5.3 Security Requirements

5.3.1 The URL of the website should abide by HTTPS protocol.

5.3.2 SSL Certification-SSL Certificates encrypts sensitive information to ensure that any data is unreadable to everyone other than the destination server.

5.4 Software Quality Attributes

- Adaptability
- Availability- 24X7 availability.
- Flexibility- Flexible service based architecture will be highly desirable for

future extension.

- Maintainability-The errors related to the functioning of our website will be detected and steadiness of the website will be maintained.
- Portability – The product can be accessed across any part of the world and the product supports different web browsers such as Chrome, Microsoft Edge and Mozilla Firefox.
- Reliability – It is user friendly product and the customer's information is secured.
- Usability- The product support various OS such as Windows, Android, Mac OS X.

6. Other Requirements

Appendix A: Glossary

OSS: Online Shopping System

HTTPS: Hypertext Transfer Protocol Secure

LAN: Local Area Network

WAN: Wide Area Network

URL: Uniform Resource Locator

SSL: Secure Sockets Layer

HTML- Hyper Text Markup Language

Appendix B: Analysis Models

ER-diagram

