

SOFTWARE REQUIREMENT SPECIFICATIONS

VERSION 1.0

February 9, 2021

ONLINE SHOPPING SYSTEM

1. Introduction:

Since the advent of the 2020 pandemic, online shopping companies have seen a surge in their sales and popularity. The ease of choosing and captivating return-the-product terms and conditions have catalyzed the demand for online shopping systems. Apparel and electronic stores will have customers waiting in queue for purchase, checkout and return deals. This also adds to the misery of paying for storage, infrastructure (rent, electricity and sales employees salaries).

Here we propose an idea to eradicate the need for such capital and instead shed light on an all-online store with an assortment of collections keeping in mind current trend and technology. The details of what all are the needs of the *Online Shopping System* and what they provide are detailed in the use-case and supplementary specifications below.

1.1 Purpose:

The purpose of this **Software Requirements Specification (SRS)** document is to describe the external behavior of the Online Shopping System. Requirements Specification defines and describes the operations, interfaces, performance, and quality assurance requirements of the Online Shopping System. The document also describes the non-functional requirements such as the user interfaces. It also describes the design constraints that are to be considered when the system is to be designed, and other factors necessary to provide a complete and comprehensive description of the requirements for the software. The Software Requirements Specification (SRS) captures the complete software requirements for the system, or a portion of the system. Requirements described in this document are derived from the Vision Document prepared for the Online Shopping System.

1.2 Scope:

The SRS captures all the requirements in a single document. The Online Shopping System that is to be developed provides the users and administrator with the product information, reviews, adding to cart and many such facilities. The Online Shopping System is supposed to have the following features:

- The software provides consumers to add available products to cart and the browser will be up and running throughout until maintenance.
- The system provides logon and sign up options to users.
- The system provides facilities to change credentials and view account details at any time.
- The system lets administrator to check which products' stock availability.
- The system updates the billing system as and when the user checks out and places order for a product.
- The product catalog is automated and the decision of offering the product based on the category of the product is automatically decided.

The features that are described in this document are used in the future phases of the software development cycle. The features here meet the needs of all the users. The success criteria for the system is based on the level up to which the features described in this document are implemented in the system.

1.3 Definitions, Acronyms and Abbreviations:

- Provided wherever necessary in the document.
- Shopify - The Online Shopping System

1.4 Overview:

The SRS will provide a detailed description of the Online Shopping System. This document will provide the outline of the requirements, overview of the characteristics and constraints of the system.

1.4.1 Section 2: This section of the SRS will provide the general factors that affect the product and its requirements. It provides the background for those requirements. The items such as product perspective, product function, user characteristics, constraints, assumptions and dependencies and requirements subsets are described in this section.

1.4.2 Section 3: This section of SRS contains all the software requirements mentioned in section 2 in detail sufficient enough to enable designers to design the system to satisfy the requirements and testers to test if the system satisfies those requirements.

2. Overall Description

Product Perspective:

- The online shopping system is a software used by the customers to purchase products online.
- This system would be developed in such a way that it delivers quality products keeping in mind customers' ease.
- It provides catalogue to the customers and help them to purchase products easily.
- The administrator shall keep the catalogue updated on a timely basis so as to make the products available at all times.



The product has to interact with other systems namely admin, users/customers, billing system and internet. In essence, the administrator and users use the Online Shopping System, and in turn, the system uses the billing system and the Internet.

PRODUCT FUNCTIONS:

The online shopping system provides information about the available products.

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USER CHARACTERISTICS:

The users of the system are customers and administrators who maintain the system. The customers are assumed to have basic knowledge of computer and Internet browsing. The administrator of the system to have more knowledge of the internals of the system and is able to rectify the errors that may arise due to crashes to maintain the system. The proper user interface, user manual, online help and the guide to install and maintain the system must be sufficient to educate the users on how to use the system without any problems.

CONSTRAINTS:

- The information of all the products is stored in a database that is accessible by the administrator.
- The online shopping system must be compatible with multiple platforms.
- The customers must enter correct usernames and passwords to log in to their account to purchase products .
- The billing system is interfaced with the online shopping system.

ASSUMPTIONS AND DEPENDENCIES:

- The customer must have sufficient knowledge of computers.
- The customer must know English language as the user interface will be in English.

