Software Requirements Specification

Shopping Cart/Online Ordering System

Introduction

Purpose

This product is being built as an interface between the customers and the producer. It needs to fulfill tasks that support the goal to make purchases online and deliver commercial goods sold by the producer.

These basic tasks include:
1. Login/SignUp (?)
2. While Shopping/ Searching for an Item:
    a. Adding it to the cart
        i. One time buy item
        ii. Or recurring item
            1. Frequency= Monthly/3Months/6Months
    b. Removing an item from cart
    c. View Cart
        i. Price total of items (Without tax)
3. Proceed to Checkout
    a. Delivery address
    b. Final price
        i. Item Price
        ii. Sales Tax (based on State)
4. Make a Payment
    a. Credit/Debit
    b. Paypal
5. Review and Order Confirmation
        i. Review
            1. Printing all the information and asking for confirmation
        ii. Confirmation:
            1. Items bought
            2. Total
            3. Payment Method
            4. Estimated delivery time

Intended Audience

This document should serve as a guide for members of the organization who will either be apart of the production and promotion of this product. This includes and is not limited to software engineers, project managers, test engineers as well as members within the marketing and sales team.

Intended Use

The audience should aim to build and test the prototype to ensure it accomplishes at least 50% of the users needs. These functionalities would include all of the tasks that deal with the taks the consumer will face while shopping.

Which includes the ability to add items to a cart (diresgrading the frequency), deleting items from the cart, viewing the cart.

These should be evaluated for accuracy and suitability before moving to the processes that involve the actual purchasing of these items.

Scope

The software being built is an online shopping system. It will allow the company to have an online presence. This is essential since in today's society since ecommeriance has risen immensely over the years with sales reaching nearly $3.46 trillion in 2019. Having an online presence will help expand their reach and market to new customers.

Definitions and Acronyms

Success within this project means that the customer was able to successfully step through the whole process of the online shopping experience. The risk means the chances of one or any of the functionality of the operation to not work as expected.

Overall Description

User Needs

The user expects all operations within the shopping system to run seamlessly as well intuitively. The system should not be hard to navigate.

Assumptions and Dependencies

Assumptions being made is that items for the website already lists the items that are in their inventory. And that we are able to interact with the various external payment methods.

System Features and Requirements

Functional Requirements

It is necessary to have a list of products made by the company as well as some inventory system already implemented so that it is easy to track and reshelves products as it is being ordered.

Interface Requirements

The consumer will interact with the products through a web-based interface.

System Features

This project will feature two different systems. The first being the front end which is the website for the user to be able to do all the operations. The second being the back end, which includes relational databases to keep track of each person's user profile with their order confirmation, their carts, list of products in inventory. As well java code that calculates all the math involved with pricing.

Non-functional Requirements

The performance should be fast, so that people don't have lag times.