Software Requirements Specification

Shopping Cart/Online Ordering System

Introduction

Purpose

This product will provide the user with an interface for adding and removing items to a cart for purchasing. It will also include a payment gateway that will provide the cost total including tax where users will be able to pay for their cart items with their chosen payment method.

Intended Audience

This document is intended for members of the engineering team including; software engineers, test engineers and project managers as well as members of the sales/marketing team of the organization.

Intended Use

Build a prototype to address the primary functionality of the feature then evaluate how to improve usability before releasing the finished product.

Scope

The product will be an added feature to the existing website structure. It will be accessible throughout the entire purchasing process. It will help the user keep track of items and complete their purchases.

Definitions and Acronyms

Success means the shopping cart feature will be fully operational; this consists of: a successful add/remove function, a shopping cart interface, a payment interface and a confirmation method. Risk means the possibility of one or several of these functions not functioning as expected.

Overall Description

User Needs

The cart and payment options should be easily accessible as well as clearly identifiable. Adding and removing items from the cart should also be intuitive to the user.

Assumptions and Dependencies

The shopping cart feature is heavily dependent on the preexisting structure of the website inventory items. This is because the items will need to be translated to the cart. This could cause problems if the items are not set up in a way where this function can not be easily added. This means the cart function will also be dependent on whoever is adding to the item inventory which could possibly be an external source.

System Features and Requirements

Functional Requirements

The product will need a preexisting website structure to build upon. It also requires a way to add/remove items as well as items that can complete these actions. Finally, interfaces are required for the user to interact with such that they can complete the payment.

Interface Requirements

The product will be accessed by the user through a web-based interface.

System Features

The product should have a cache that stores the products placed in the user cart. This is so users can save the status of their cart and pick up where they left off. This will require storing cart data and repopulating the user's cart when they return. A relational database will also be necessary for managing the data to complete these purchases. The database will oversee data management for the site. Tables will include the cart status, customer information, state tax information.

Non-functional Requirements

The product should operate relatively quickly for optimum performance.