ICS SPEC / REQS

Requirements Specification
Version 1.0
May 1st, 2017

Overview

1 Project Overview

The project is a shopping cart web application that displays products from a database. Users will be able to interact with the database through a client-server model.

1.1 Purpose and Scope of this Specification

Shopping cart is a program that allows customers to easily add and remove items in their shopping cart. This program will also allow users to select different products from the website. The users will be able to see the product ID, the product description, and the product price. The users will be able to change item quantities and display the contents of their shopping cart. This project is developed within the framework of the traditional shopping cart system and will use the standard patterns and practice of coding for database management and HTML. Tools used for the database framework are PHP and MySQL while server and UI software will use CSS. A Git repository will be used to coordinate and manage backend code.

2 Functional Requirements

The current required behaviours of the system are that product(s) must be added to user shopping cart. Product(s) must have an option to be removed from a user shopping cart. Product(s) must be viewed by the user in the shopping cart. Users must be able to get the total of the Product(s) purchased and include applicable taxes. The system will allow users to secure access of confidential user payment data, and SSL may be used. Users must be able to view Product(s) description. Users must be able to view product(s) price and name. Users must be able to purchase product(s) in the user shopping cart. “User” is the customer site visitor who uses the shopping cart framework to perform shopping tasks with the help of the shopping cart system.

3 Non-Functional Requirements

The current non-functional requirements are that the system will be using a web server to host the shopping cart database information. The system will use MySQL for the database. The system will implement PHP and will use CSS for the UI system. The system will implement an architectural design to

get better performance at peak user times, which is in the user's local time zone from 4-9 pm. The system will be cross platform reaching a larger client-base of different users. The system will be available 24 hours a day and 7 days a week. The system must respond within 2 seconds when a user adds, removes, or adjusts product(s) in the shopping cart.

4 Precaution

This list of requirements is by no means final. The final list will be dictated by implementation constraints and by the end user demands.

Role Chart

	Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**
Team Leader	**Nathan**	**Jasmine**	**Zack**	**Nathan**	**Jasmine**	**Zack**	**Nathan**
Database/Backend	**Nathan, Jasmine, Zack**	**Nathan**	**-**	**-**	**Nathan, Zack**	**Nathan**	**-**
Middle Developer	**-**	**Jasmine**	**Nathan, Jasmine, Zack**	**Nathan**	**Jasmine**	**Zack**	**Nathan, Jasmine, Zack**
Front end Developer	**-**	**Zack**	**Nathan**	**Zack, Jasmine**	**Zack**	**Jasmine, Nathan**	**Nathan, Jasmine, Zack**