**Campus Market**

**Software Requirements Specification**

**For Campus Market Web Application**

**Version <0.2>**

**Revision History**

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**Software Requirements Specification**

**1.**    **Introduction**

The SRS is designed to document and describe the agreement between the customer and developers in Group 6 regarding the product designed for CSE 201. The purpose is to clarify the functional and nonfunctional requirements that can be referenced as Group 6 develops the Campus Market website.

The different sections separate the software requirements into specific categories. This document aims to describe the functional and nonfunctional requirements without the use of undefined technical jargon.

**1.1**     **Purpose**

The purpose of this software requirements specification is to describe the Campus Market website. This document aims to describe the software’s uses as described by the customer.

The intended audience of this document is for the customer and others who will grade and examine the SRS. The audience also includes students in Group 6.

**1.2**     **Scope**

The software is being produced for a customer who wishes to facilitate trade on college campuses. The system allows anyone with internet access to buy and sell items with fellow students. Students can log on and create accounts or simply browse the items. The goal is to be an automated third party that monitors and encourages trade among students on college campuses.

Every user can buy and sell items as well as rate sellers. Sellers can create accounts, add items for sale, remove items for sale, and list the items they currently have for sale. Buyers and sellers are also able to easily work out times for pickup and delivery of items.

The website will not deal with credit card transactions. Those will be passed through Venmo. The website does not handle delivery of the items.

**1.3**     **Definitions, Acronyms and Abbreviations**

SRS: Software Requirements Specification

HTML: Hyper Text Markup Language is the standard markup language for creating web pages and web applications

CSS: Cascading Style Sheet is a style sheet language used for describing the presentation of a document written in a markup language

JavaScript: JavaScript is a high-level, interpreted programming language. It is a language which is also characterized as dynamic, weakly typed, prototype-based and multi-paradigm

PHP: Hypertext Preprocessor is a scripting language used in server-side web development.

**1.4**     **References**

No Sources Yet

**1.5**     **Overview**

The Software Requirements Specification contains a description of the software and software requirements as well as the individual requirements. So far, we have disclosed the purpose of this document, the scope of this document, and the definitions of different acronyms/technical jargon. This document is organized into two more sections. One describing the overall software requirements, and one describing the specifics.

**2.**       **Overall Description**

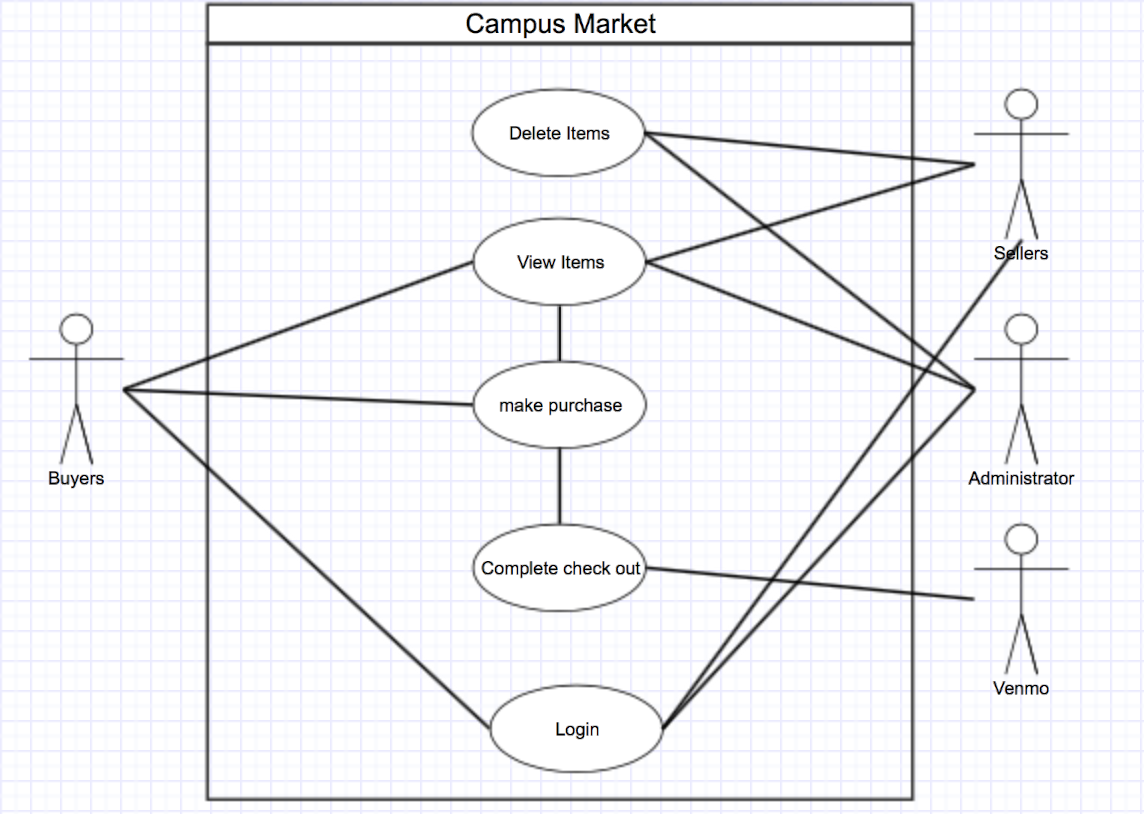
This section describes the expectations of the Campus Market website as well as the assumptions used in the creation of the website.

**2.1**    **Use-Case Model Survey**

**Sellers:** Post and monitor items they wish to sell. They must include necessary information for the transaction and pick up to be possible.

**Buyers:** Browse, search, and purchase items from sellers to be picked up at a convenient time.

**Administrators:** Monitor transactions and remove inappropriate material.

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**2.2**     **Assumptions and Dependencies**

The software does depend on a front-end component utilizing HTML and CSS and a back end utilizing PHP and software controlling input, output, and changes to the database text file.

We are assuming the website will only be ran on a local server with PHP functionality by the teacher assistants or professor. There are no operating system requirements. The webpage will open with Google Chrome and most other web browsers.

We assume that buyers will only buy one item at a time. Sellers can be buyers. Administrators cannot be sellers or buyers. Sellers can only edit their own items for sale.

**3.**      **Specific Requirements**

**3.1**     **Use-Case Reports**

**Post Items for Sale:** Sellers must be able to post items for sale on the website. Sellers must be able to monitor their pending sales. Sellers must be able to provide convenient times that their item can be picked up or delivered. Sellers must be able to receive payments for their items sold.

**Accounts:** Accounts can be created to hold seller information. Includes Seller Name, Email, Address, and Phone Number as well as store the information on all the seller’s items pending.

**Add Listing:** Sellers have the ability to add a listing for an item they wish to sell. This requires a photo, price, and date available for pickup.

**Lock Item for Sale:** Sellers can lock an item, so it can only be seen but not yet purchased.

**Seller Rating:** Sellers will have accounts that can be rated to help buyers judge whether or not a seller is trustworthy.

**Rate Sellers:** Buyers will be able to rate a seller based on quality of product sold.

**Browse Items for Sale:** Buyers must be able to browse items posted. Buyers must be able to see a list of times items that are available for pick up or delivery. Buyers must be able to pay the seller prior to receiving the item.

**Display Listings:** All of the listing are displayed providing important information about the sale such as item name, photo, price, and dates available for pickup.

**Search Listings:** Buyers can search listings for specific items in order to speed up their search.

**Sort and Filter Listings:** Buyers can filter and sort listings and search results based on price, date posted, or dates available.

**Administrative Duties:** Administrators must be able to browse sales posts. Administrators must have ability to remove inappropriate posts.

**3.2**     **Supplementary Requirements**

**Readability:** Code and documents we create will be easy to read and understand. Code will be properly styled and organized.

**Usability:** The website itself will be simple and easy to use.

**Dependability:** The website will have little to no bugs and work as expected. It will perform tasks in a timely manner.