***Software Engineering***

***Software Requirements Specification***

***(SRS) Document***

**Spartan Sellers Campus Marketplace Application**

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Version 0.1

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1. **Introduction**
   1. Purpose

The goal of the Spartan Sellers Campus Marketplace Application is to enable UNCG students to advertise used academic and housing items to other university students and faculty, in order to reduce the hassle of finding affordable housing materials each year.

* 1. Document Conventions

The purpose of this Software Requirements Specifications document is to detail the needs for the user and developer sides of the Spartan Sellers Campus Marketplace Application. The developer side requirements are the necessary functions, methodologies, and systems that need to be installed, edited, and maintained in order to build the back-end functionality of the application. The user-side requirements detail the data visibility, user interaction, user experience, and user views that need to be available and functional for our users. These requirements outline the necessary tasks that need to be accomplished by our software application, and from these we will derive the process by which these tasks are to be built.

* 1. Definitions, Acronyms, and Abbreviations
  2. Intended Audience
  3. Project Scope
  4. Technology Challenges
  5. References

1. **General Description**
   1. Product Features

The SpartanSellers Campus Marketplace Application is an application that allows UNCG campus students to easily browse and sell thier dorm furniture, school supplies, or necessities to other students. With the SpartanSellers app, students are able to easily brpwse used dorm and school supplies from other students, and/or sell supplies when they no longer need them. This application reduces waste and reduces the cost of on-campus living for students and parents. Sellers are able to view historic pricing by category for items they post, allowing them to be more informed when pricing thier items. In addition, SpartanSellers allows buyers to leave reviews for sellers, making sure that students who are frequent users of the application throughout their time at university are held accountable to maintain a professional demeanor when selling their used items. In addition, sellers must be approved by the admins before listing their items, and admins must approve each listing before it is live to the site. Admins are also able to remove listings that become problematic, or that do not sell within an appropriate time period.

* 1. User Class and Characteristics

Our website application is designed specifically for UNCG students attending the university in person. The website content will not be available to non-account holding UNCG students in order to best preserve the safety of an online student platform. Users will need to have prior knowledge of using a web browser, and be familiar with navigating the basic menu options of a typical website.

* 1. Operating Environment

This software application is designed to operate on the internet across a variety of online compatible platforms.

* 1. Constraints
  2. Assumptions and Dependencies

1. **Functional Requirements**
   1. Primary
   2. Secondary
   3. Use-Case Model
      1. Use-Case Model Diagram
      2. Use-Case Model Descriptions
         1. Actor 1
         2. Actor 2
         3. Actor 3
      3. Use-Case Model Scenarios
         1. Actor 1
         2. Actor 2
         3. Actor 3
2. **Technical Requirements**
   1. Interface Requirement
      1. User Interfaces
      2. Hardware Interfaces
      3. Communication Interfaces
      4. Software Interfaces
3. **Non-Functional Requirements**
   1. Performance Requirements
   2. Safety Requirements
   3. Security Requirements
   4. Software Quality Attributes
      1. Availability
      2. Correctness
      3. Maintainability
      4. Reusability
      5. Portability
   5. Process Requirements
      1. Development Process Used
      2. Time Constraints
      3. Cost and Delivery Date
   6. Other Requirements