***Software Engineering***

***Software Requirements Specification***

***(SRS) Document***

**Spartan Sellers Campus Marketplace Application**

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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
   2. User Class and Characteristics
   3. Operating Environment
   4. Constraints
   5. Assumptions and Dependencies
2. **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
3. **Technical Requirements**
   1. Interface Requirement
      1. User Interfaces
      2. Hardware Interfaces
      3. Communication Interfaces
      4. Software Interfaces
4. **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