**SnapExchange**

**Software Project Plan**

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*Version 1*

*5/5/2016*

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# Introduction

## Identification

*This document applies to the software development effort in support of the development of SnapExchange Version 1. A detailed development timeline in support of this effort is provided in the supporting project Master Schedule.*

## Scope

The purpose of this app is to provide an environment where users can quickly and easily buy and sell products simultaneously using a mobile device

## Document Overview

*The purpose of the SnapExchange Software Development Plan (SDP) is to guide project management during development. Software Quality Assurance (SQA) procedures are captured in Appendix A of the SDP. Appendix B is used to document Software Configuration Management (SCM) activities. Project management and oversight activities (i.e., risk tracking, problem reporting) are documented in Appendix C of the SDP. Requirements for the project will be captured in the SnapExchange Software Requirements Specification (SRS). This plan will be placed under configuration management controls according to the Software Configuration Management Plan. Updates to this plan will be handled according to relevant SCM procedures and reviews as described in the Software Quality Assurance Plan.*

## Relationship to Other Plans

*No other plans exist with relationship to this plan*

# Acronyms and Definitions

## Definitions

## Acronyms and Abbreviations

|  |  |
| --- | --- |
| SRS | Software Requirements Specification |

# References

*The Netbeans E-Commerce tutorial was used as a reference to guide development of this project*

# Overview

*The project schedule in support of SnapExchange was initiated 4/26/16 with a target completion date of 5/5/16. Incremental product deliveries may be requested, but none are identified at this time. The delivery requirements are to install SnapExchange on the current SnapExchange external website. SnapExchange will be delivered once deployment has occurred.*

## Source Code

*Source code is included in SnapExchange.zip*

## Documentation

*Support for usage of this product will not be provided on initial launch as we believe its usage to be straightforward*

## Project Resources

*This project was completed exclusively by Austen Zeh and Graham Atkinson using the Netbeans IDE*

## Project Constraints

*This project is for demonstration purposes and should not be subject to commercial use. The project consists of under 2000 lines of code and 25 pages of documentation.*

# Software Process

## Software Development Process

*The project was completed in accordance with this timeline:*

April 18th: You should have the first draft of the requirement specification and the draft of design documentation. Implement the data model and page views and controller servlet, and have the prototype of the project running.

April 25th: You should have the application connected to the database, added entity classes and session beans, and managed sessions.

May 2nd: You should complete the remaining tutorial contents 9, 10, 11, and 12 in the tutorial, and all required deliverables, and be ready for class presentation and code demo. Questions will be asked during your presentation.

May 5th: Complete the whole class’ presentation. 6. May 6th: Submit all your documentation before midnight.

## Software Engineering Activities

### Recording Rationale

*[This subsection should define the methodologies used to capture design and implementation decisions. An example follows:*

*The design patterns and methodologies used in the project were included according to class requirements and the Netbeans Ecommerce Tutorial*

### Computer Hardware Resource Utilization

*The amount of hardware resource required to run this project is inconsequential and therefore does not require consideration*

### Reusable Software

*This software was not designed to be reusable as it is primarily for demonstrational purposes*

### Software Testing

*This software will only include enough testing to ensure that it is runnable*

# Schedule

*This project was scheduled to meet the milestones listed on the assignment page, as referred to in section 5.1.*

Appendix A Software Quality Assurance

*Quality assurance is not required for this project*

Appendix B Software Configuration Management

*This project is small enough to not require configuration management*