Test Plan

*[Subtitle]*

[Document type]

Author:

Supervisor: [Supervisor]

Semester: HT20

Course code: 2DV610

Table of contents

[1 Introduction 3](#_Toc64749961)

[1.1 Scope 3](#_Toc64749962)

[2 Requirements and Use Cases to be tested 4](#_Toc64749963)

[3 Testing Techniques 5](#_Toc64749964)

[4 Constraints and Risks 6](#_Toc64749965)

[5 Schedule 7](#_Toc64749966)

# Introduction

This test plan is to plan which requirements are going to be tested and not and how the project will test the requirements in order to give feedback to Software Development Company (SDC).

## Scope

In this iteration, the test cases of the use cases’ scenarios that are functional requirements are going to be focused for testing first. The Operating System for testing is Windows 10 Home with Processor Intel® Core™ i7-10519U CPU @ 1.80GHz 2.30 GHz.

This test plan covers the requirements that are prioritized and going to be tested. It also lists the testing techniques that are going to be used during the testing process. Furthermore, it states the constrains and risks that can happen during the testing process and gives out suggestions for each of them.

# Requirements and Use Cases to be tested

|  |  |  |
| --- | --- | --- |
| **Requirement or Use Case** | **Prioritization** | **Type of Requirement** |
| UC1 Start Server | High | Functional Requirement |
| UC2 Stop Server | High | Functional Requirement |
| UC3 Request Shared Resource | High | Functional Requirement |
| Req2 | Medium | Non-Functional Requirement |
| Req3 | High | Non-Functional Requirement |

# Testing Techniques

|  |  |  |  |
| --- | --- | --- | --- |
| **Testing Type** | **Test Level** | **Requirements** | **Description** |
| Exploratory Testing | System-Test |  | Exploratory testing the system to get a better understanding of the system and whether it meets the requirements. |
| Manual Testing | System-Test | UC1 Start Server, UC2 Stop Server, UC3 Requested Shared Resource | Manually testing the function requirements in the system to see if there are any defects from the scenarios of the use cases can be detected. |
| Automated Testing | Unit-Test | UC1 Start Server, UC2 Stop Server, UC3 Requested Shared Resource | Automated tests are already existing in the project. In this iteration automated test will not be examined. |

# Constraints and Risks

|  |  |  |  |
| --- | --- | --- | --- |
| **Constraint or Risk** | **Probability** | **Effects** | **Measures** |
| Hardware Problem | Low | High | Make multiple backups to avoid the loss of data |
| Time Consuming | Medium | High | Plan the work in advance and make changes during the process in order to hand-in within deadline |
| Lack of Knowledge | Medium | Medium | Spend more time testing and searching related information from internet, lectures, literatures, and experts |
| Illness | Medium | High | Start the work in advance to have a safer approach, also inform for getting a possible deadline extended |

# Schedule

|  |  |  |
| --- | --- | --- |
| **Time** | **Task** | **Priority** |
| 2 Hours | Reading the Requirements Documentation and sorting out the requirements that are going to be tested and not. | High |
| 8 Hours | Preparing the schedules and tools that are going to be used during the testing process. Understanding the setup of the tools and the system. | High |
| 12 Hours | Listing and testing the manual test cases for the requirements that are going to be tested. | High |
| 6 Hours | Writing the documents based on the testing process. | High |