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Test Plan

[Subtitle]



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1 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).

1.1 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 constraints and risks that can happen during the testing process and gives out suggestions for each of them.



2 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



3 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.



4 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



5 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