



Linnéuniversitetet
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Test Strategy

For “My web server”

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1.Introduction

The purpose of this Test Strategy is to define the approach will used when testing “My Web Server” and when evaluating the results of that testing. The document clarifies the testing roles responsibilities, risks and activities.

1.1 Purpose

The small Software Development Company (SDC) to evaluate the current state of “My web server”. The goal is to know if the abandoned software fulfils the requirements.

2 Testing Types

To evaluate the current state of “My web server” SDC comprehensively, it is covered several testing types. Here it is planned to test both functional tests and non-functional tests.

2.1Unit Testing

A level of software testing which focuses on individual units. Thus, we can validate that each unit of the software can be executed as required. It is used tool Mockito and Junit.

2.2 Integration Testing

A level of software testing which focuses on combined individual units. Thus, we test them as a group in order to expose faults in the interaction between integrated units. It is used tool Mockito and Junit.

2.3 Functional Testing

A testing process is to ensure that it has all the required functionality that's specified within its functional requirements. It is used tool Jmeter.

2.4 Load Testing

A performance testing. It is for determining a system's performance under real-life load conditions. This performance testing helps determine how the application behaves when there are multiple users access it simultaneously. It is used tool Jmeter.

2.5 Business Cycle Testing

A testing that can make sure that the source code should be released under GPL-2.0.

2.6 Test access log

A testing that can ensure the access log should be viewable from a text editor.

2.7 UI Testing

The testing process is to ensure it meets its specifications through the use of a variety of test cases.

2.8 Stress Testing

It is a form of deliberately thorough testing used to determine the stability of a given system. It is used tool Jmeter.

3. Tools

Define tools required for this test execution. The following tools will be employed for this project.

Tool

- IntelliJ IDEA
- JUnit
- Jmeter
- Mockito

4. Risk Analysis

Risk	Mitigation Strategy	Impact
Technique risk Lack of knowledge in Software Testing and Programming.	Improve knowledge by reading the related course book and keep correcting and improving ourselves.	High
Time risk Number of team members are only two.	Plan the time carefully. Do more work per person.	Medium
Demand risk Device is single. Both members use the Mac so it results in some systems cannot test.	Try to test as much as we can.	High

5. Time Resource

Our team budget is two weeks since there are only two persons in our team. Each week, it is managed to work for 5 days, 8 hours per day. The total amount of time is around 80 hours.