



Linnéuniversitetet

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My Web Server Application

Test Strategy



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Table of Contents

1 Revision History	2
2 Objective	3
3 Stakeholders	3
4 In scope	3
5 Roles and responsibilities	4
5.1 All the team members will have to engage and collaborate to complete their individual tasks to the following order	4
5.2 The team members have the responsibility of:	4
5.3 Time budget	4
6 Resources	4
7 Approach Team plan:	5
8 Risk and contingencies	5
9 Milestones	5
10 Approvals	5
11 Deliverables:	6
11.1 Test plan,	6
11.2 Test cases,	6
11.3 Test Report	6
References	7

1 Revision History

Version	Date	Summary of Changes	Authors
1.0	2019-12-14	First iteration	Team Alpha
1.1	0000-00-00	-----	-----

2 Objective

The objective this documentation is to provide strategy to test the abandonware web-server as “My web server”. The evaluation aims to provide a framework for estimating whether the abandoned software maybe used in the development of an easy to deploy java-web-server with minimal configuration as well as an easy integration and adaptation of the web-server. Therefore, four testers have been assigned to define a strategy for evaluating the current state of the abandonware web server.

3 Stakeholders

- *The Software Development Company (SDC)*

Its objective is to redistribute Web-server as “My web-server” on a wide range of internet of things (IOT). However, SDC wants an easy to deploy java-web-server that can be deployed on many different devices [1].

4 In scope

- 4.1 Identifying the successive types of testing to be undertaken along with testing in/valid inputs for the port socket and shared containers.
- 4.2 Identifying how common expectations and testing standards are to be achieved for all types of testing under high load
- 4.3 The software test team must ensure that the web server follow the HTTP 1.1 minimum requirements
- 4.4 The web server must work on Linux, Mac, Windows.
- 4.5 The source code should be released under under GPL-2.0.
- 4.6 The access log should be viewable from a text editor

5 Roles and responsibilities

The testers of “My Web Server” will concurrently perform the following roles and responsibilities

5.1 All the team members will have to engage and collaborate to complete their individual tasks to the following order

5.2 The team members have the responsibility of:

5.2.1 Test plan

5.2.2 Prioritized and implemented test cases

5.2.3 Documentation use cases and test plan

5.2.4 Log results

5.2.5 Test execution

5.2.5.1 Manual testing

5.2.5.2 Automatic testing

5.2.6 Test report

5.3 Time budget

5.3.1 The testers of “My Web Server” on this iteration has been allocated to complete this iteration in 40 hours per tester.

6 Resources

The IOT-developers will be using the following equipments

No	Type	Os
1	Mac book pro	Mac
2	Acer	Windows
3	Asus	Windows
4	MacBookAir	Mac
5	Dell T3600	Windows/Linux

6.1

• Java IDE(Eclipse..)
• Java IDE(Intelij)
• JMeter
• Ratproxy
• Junit
• Mockito

7 Approach

Team plan:

The testers will maintain a Team plan which records individual assignments to test tasks against assignable days. This will also record time planned and delivered against the tasks which will be used to update relevant project schedules.

8 Risk and contingencies

No	Risk	Mitigation strategy	impact
1	Skills inadequacy	Additional training	Medium
2	Absence levels	Efficient plan	High
3	Facility risk	Advance booking	Medium
4	Low connectivity	Stable internet connection	Medium

9 Milestones

Milestone	Start date	End date	Effort
Test Strategy	2019-12-03	2019-12-05	22h
Test plan	2019-12-06	2019-12-09	18h
Test implementation	2019-12-09	2019-12-11	29h
Test Execution	2019-12-11	2019-12-12	20h
Test Evaluation	2019-12-12	2019-12-13	35h

10 Approvals

All the testers are required to approve the test strategy

Approval by Tester 1	ok
Approval by Tester 2	ok
Approval by Tester 3	ok
Approval by Tester 4	ok

11 Deliverables:

The following artefacts are enclosed with the following documents:

- 11.1 Test plan,
- 11.2 Test cases,
- 11.3 Test Report

References

[1] Course press [Online]. Available:

<https://coursepress.lnu.se/kurs/mjukvarutestning/labs/a2/>. [Använd 10 12 2019].