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Strategy

[Subtitle]



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1 Introduction

Software Development Company (SDC) aims to redistribute a simple to deploy web-server on a wide range of Internet Of Things (IOT) to present information from sensors etc. The web-server can be deployed on many different platforms and therefore that can attract attention of a wide range of IOT developers. The SDC management has found an open source abandonware software called “My Web Server” that may fulfill the requirements as stated in the requirement document. One test lead needs to deliver a strategy, plan, test-cases as well as a test-report in one week.

2 Stakeholders

- Software Development Company (SDC) – Aims to redistribute a simple to deploy web-server on a wide range of Internet Of Things (IOT) to present information from sensors etc. The web-server can be deployed on many different platforms.
- IOT-developers – Wants minimal configuration as well as easy integration and adaptation of the web server.
- Test Lead – Evaluates and tests the requirements, use cases and give feedback to the SDC.
- End-Users – Wants the server to be easy to access and absolute security.



3 Resources

Resource Type	Resource
Staff	1 Test Lead
Time	At Least 20 Hours
Equipment	Windows 10 Home with Processor Intel® Core™ i7-10519U CPU @ 1.80GHz 2.30 GHz
Software	IntelliJ IDEA 2020.3 JDK: Java Version 1.7 Web-Browser: Chrome JUnit Apache JMeter

4 Strategy

The staff is unfamiliar with My Web Server, a basic exploratory testing is needed for better understanding of the system to conduct the further phases of testing and to establish further the testing objectives of the system.

The staff needs to read the requirements document that is provided with the source code. Then the requirements and uses cases will be evaluated and sorted out which will be tested.

There is an already existing automated unit tests in the project that can be regression tested to understand how these functional requirements are being met. Manual test cases will be created according to the test plan specified for the objective.

Since the human resources and time resources are very limited for this test iteration, the manual test cases must be focused and prioritized in this iteration. Therefore, other requirements need to be postponed to later iterations.