Test Strategy

MARKETPLACE

Ivanti

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Version history

Version	Date	Author(s)	Changes	State
0.1	10/3/2022	All members	Initial version	Finish
0.2	28/03/2022	All members		Unfinished

Distribution

Version	Date	Receivers

Contents

1.   Scope

This document will be reviewed by Ivanti. The document should be approved by the project team and the stakeholders. The user acceptance tests should be executed when a user story has finished development.

2.   Test Approach

There will be multiple test types. For example, there will be user acceptance tests and unit tests. These tests will test multiple aspects. It will test if some features work as desired. It will also test the performance of the application and test basic functionality of methods. This way (new) bugs can be easily spotted. Running unit tests will be automated by using Gitlab CI/CD. They will run whenever code is pushed to the development or main branch. We will aim for 70% test coverage on our code.

3.   Testing Tools

We will use Junit for unit testing and to add to more realistic environment, we will use fake database using H2 database. From this we can tested the logic layer and data access layer from the application. User acceptance test will be conducted to voluntary people who wants to test the application. It will test the presentation layer from the application.

4.   Risk Analysis

Unit testing sometimes will not work if the output the same but the logic behind the unit test doesn't work. We can change the logic as intended in the test code to have a proper output from the unit test.

5.   User acceptance tests

Please take a look at the document called User Acceptance Test.pdf