**Test Report**

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# SCOPE

## Document Overview

In the scope of the document, reports containing the analysis of the test of the software components are presented in APPX-1.

# OVERVIEW OF THE TEST RESULTS

## Prepearing Automation Environment

Test automation runs with Java 1.8 platform, this project is maven project that uses allure for reporting and testng for testing. This project coded with Intellij Idea Community Edition on Windows 8.1.

Data Driven Test is used.

Follow the instructions to run automation codes

* Import the codes from zip file and import into InteliJ
* To download required dependency file you need to run from Maven command line.

*$mvn clean install*

* In order to generate Allure Report you should perform to run from Maven command line.

*$ ./mvn clean -Dtest=suite.\* test site*

* Finally, report will be generated to folder under target folder

*`target/site/allure-maven-plugin`*

* Open index.html in browser and find packages menu and you will see the reports of the test results.

## Automation Overview

Automation consists of base, common, component\_projects, model and suite packages.

The component\_object package contains page operations (click, select etc) and page elements (buttons, labels etc).

Changes are made when a page in the application changes or a new button is added.

When a new feature is added, creating a new class for related page objects to define.

Suite, contains test suites that provide test cases for operation.

Common package has classes for common operations like common methods like driver initialize and waits.

DataProviderInitializer class contains data for test cases and it is used by @DataProvider annotation in test suites.

## Overall Assessment of the Tested Software

Total number of manual test cases is 13. According the results, 9 test cases status are defined as PASSED and 4 test cases status are defined as FAILED.

There is 4 Major defects and 2 Trivial, 1 Minor Improvements are found during manual testing.

There are 6 distinct test cases for the automation. As automation is data driven each case run multiple times thats why there are 24 run in the report. If you wish to increase run number, please increase data.

For automated tests, there are 4 features; Edit Computer, Adding Computer, Delete Computer and List Computer.

|  |
| --- |
|  |

According to differnt type of data (valid and invallid data sets) results of tests are shown below:

|  |
| --- |
|  |

## Recommended Improvements

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Improvement** | **Explanation** |
| TC\_Edit\_004 | Upper Letter Correction | First letters of words may be capital as  "Save This Computer" besides  "Save this Computer  Date ('yyyy-MM-dd') format information label |
| TC\_Delete\_001 | Delete Approval | It will be good if user approve the delete operation |
| TC\_Add\_001 | Upper Letter Correction | First letters of words may be capital as  "Create This Computer" besides  "Create this Computer" |

# DETAILED TEST RESULTS

## Summary of Manual Test Results

Detiled test procedures and test results including explanation of cases is located in procedure document that are in APPX-1.

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Test Result** | **Explanation** |
| TC\_Add\_001 | All results as expected |  |
| TC\_Add\_002 | All results as expected |  |
| TC\_Add\_003 | Problems encountered | Step 8 failed. Wrong format of date is accepted. Current last value is 99999999.(199191 is not a valid year, boundry of year must be defined as 1900-2100 and must be checked before save operation) |
| TC\_Edit\_001 | All results as expected |  |
| TC\_Edit\_002 | All results as expected |  |
| TC\_Edit\_003 | All results as expected |  |
| TC\_Edit\_004 | Problems encountered | Fail step 8. Wrong format of date is accepted (199191 is not a valid year, boundry of year must be defined as 1900-2100 and must be checked before save operation) |
| TC\_Edit\_005 | All results as expected |  |
| TC\_Delete\_001 | Deviations required | It will be good if user approve the delete operation |
| TC\_Delete\_002 | Problems encountered | No confirmation mechanism accourding to assumption.  It must be appear when user click the delete button and delete after click OK. The requirement is not completely covered. |
| TC\_Delete\_003 | Problems encountered | No confirmation mechanism.  Fail step 4.  It must be appear when user click the delete button and delete after click OK. The requirement is not completely covered. |
| TC\_List\_001 | All results as expected |  |

## Summary of Test Automation Results

Selenium API and TestNG is used for automated test. Allure is used for reporting.

# TEST LOG

Software tests were performed on 15.02.2019.

The manual test cases are detailed in ANNEX-1.

The automated test cases are detailed in automation directory

*target/site/allure-maven-plugin/index.html*

# APPENDICES

**APPX -1** BB\_TestProcedures\_v1.0.xls