Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 12/30/2020 | 1.0 | Started and finished the report. | Abdullah Saydemir  Aleyna Ölmezcan  Burcu Arslan  Özge Yılgür  Esad Simitçioğlu  Emin Sadikhov |

**TABLE OF CONTENTS**

Revision History 1

1 Introduction 3

1.1 Document overview 3

1.2 References 3

1.2.1 Project References 3

1.3 Conventions 3

2 Overview of Tests Results 4

2.1 Tests log 4

2.2 Rationale for decision 4

2.3 Overall assessment of tests 4

2.4 Impact of test environment 4

3 Detailed Tests Results 5

3.1 Test Results 5

# Introduction

## Document overview

This document is the software test report of the testing phase of the OzU-Garage software development project. It contains the results of tests performed on the developed system.

## References

### Project References

| # | Document Identifier | Document Title |
| --- | --- | --- |
| [STP] | OzU-G-STP-1 | OzU-G Software Test Plan |
| [SRS] | OzU-G-SRS-1 | OzU-G Software Requirements Specification |

## Conventions

Test results listed in this document are constructed according to the following structure:

**Test Result**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| Test description | Same as in test description. |  | OK, NOK, … |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | Same as in test desc. | Same as in test desc. |  |
| Tests inputs | Same as in test desc. | Same as in test desc. |  |
| Data collection actions | Same as in test desc. | Same as in test desc. |  |
| Tests outputs | Same as in test desc. | Same as in test desc. |  |
| Assumptions and constraints | Same as in test desc. | Same as in test desc. |  |
| Expected results and criteria | Same as in test desc. | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Start foo | Foo is started | OK, NOK … |

# Overview of Tests Results

## Tests log

The JUnit software (version 5.7.0) was tested on the IntelliJ idea test platform located

Give a few information about tests.

The OzU-Garage software (version 1.0) was tested on the IntelliJ Idea platform located in Windows and MacOS, from the 2020/12/30 to the 2021/01/03. The tests of the test phase (ref. software test plan) were executed.

Testers were:

* Abdullah Saydemir,
* Aleyna Ölmezcan
* Burcu Arslan
* Özge Yılgür
* Esad Simitçioğlu
* Emin Sadikhov

## Rationale for decision

After executing a test, the decision is defined according to the following rules:

* **OK:** The test sheet is set to "OK" state when all steps are in "OK" state. The real result is compliant to the expected result.
* **NOK:** The test sheet is set to "NOK" state when all steps of the test are set to "NOK" state or when the result of a step differs from the expected result.
* **NOT RUN:** Default state of a test sheet not yet executed.
* **NOT COMPLETED:** The test sheet is set to "Not Completed" state when at least one step of the test is set "Not Run" state.

Tests results are listed in §3.

## Overall assessment of tests

Statistics about tests:

* 90% of tests OK,
* 0% of tests NOK
* 0% of tests POK
* 0% of tests NR
* 10% of tests NC

Statistics about bugs and enhancements:

* Total number: 0
* Number of Critical: 0
* Number of Major: 0
* Number of minor: 0
* Number of enhancements: 0

## Impact of test environment

There is no impact of test environment that can affect the tests.

# Detailed Tests Results

For each executed test, this document contains:

* Test identification;
* Test title;
* Test decision;
* A comment containing additional information or problems encountered during execution and differences with the test procedure.

For the problems leading to a bug, the bug ID is reported in the result of the step where problem was encountered.

## Test Results

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-001** | **Comment** | **Decision** |
| Test description | Checks for internet connection |  | OK |
| Verified Requirement | SRS-OzU-G-001.1 | Inspection | OK |
| Initial conditions | OzU Garage is open and idle. |  | OK |
| Tests inputs | N/A |  | OK |
| Data collection actions | N/A | You may reference a procedure to record data with a test tool | OK |
| Tests outputs | N/A | Give unique name out output data files. | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | Connection successful  Connection failed | Check whether app is connected to internet or not. | OK |
| **Test procedure** |  |  | OK |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Send connection request to database. | Connection is established | OK |

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-002** | **Comment** | **Decision** |
| Test description | Tests if the new user signs-up to the database correctly |  | OK |
| Verified Requirement | SRS-OzU-G-002.1,  SRS-OzU-G-002.2 | Demonstration | OK |
| Initial conditions | OzU-G Software is started and idle. |  | OK |
| Tests inputs | Username, email and password |  | OK |
| Data collection actions | Username, email and password |  | OK |
| Tests outputs | Correctly signed message is displayed in the screen |  | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | An account for the user must be created |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | The user opens OzU-G without any error. | The login screen appears | OK |
| 2 | The user presses the sign-up button. | The login screen changes according to the sign-up screen. | OK |
| 3 | The user enters their information to the system. | The system verifies that the user has a OzU mail and the user is correctly signed-up to the system. | OK |

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-003** |  | **Decision** |
| Test description | Tests if user can log-in without errors |  | OK |
| Verified Requirement | SRS-OzU-G-003.1 | Demonstration | OK |
| Initial conditions | OzU-G Software is started and idle |  | OK |
| Tests inputs | |  | | --- | | Username, email and password | |  | OK |
| Data collection actions | N/A |  |  |
| Tests outputs | Home page opens |  | OK |
| Assumptions and constraints | |  | | --- | | User enters correct data to sign-in | |  | OK |
| Expected results and criteria | No errors occurred during sign-in |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | |  | | --- | | The user opens OzU-Garage without any error. | | The login screen appears. | OK |
| 2 | The user enters log-in data and presses the log-in button. | The home page appears. | OK |

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-004** | **Comment** | **Decision** |
| Test description | Users can view products on the home page. Users can filter and choose the order of products. |  | OK |
| Verified Requirement | SRS-OzU-G-004.1,  SRS-OzU-G-004.2 | Inspection | OK |
| Initial conditions | User should log-in without any error. |  | OK |
| Tests inputs | N/A |  | OK |
| Data collection actions | N/A |  | OK |
| Tests outputs | N/A |  | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | Products appear on the home page in the order that the user chose, if user does not make a choice, they are ordered according to their publication date. |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | The user opens the home page. | Products appear in home page, search bar appears in the top right corner of the frame, product categories and user profile photo appear on the side bar. | OK |
| 2 | The user presses the filter button | Products should filter according to offered options. | OK |

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-005** | **Comment** | **Decision** |
| Test description | Tests if the post user can upload their product posts and the system checks the post validity. |  | OK |
| Verified Requirement | SRS-OzU-G-005.1,  SRS-OzU-G-005.2,  SRS-OzU-G-005.3 | Demonstration | OK |
| Initial conditions | User should open the relevant page to publish a product post. |  | OK |
| Tests inputs | User comment |  | OK |
| Data collection actions | User comment |  | OK |
| Tests outputs | User comment under the post. |  | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | All the info needed (Name, Category, Price, Features) is available and post can be published. |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | The user clicks the upload product post button. | The product post screen is opened. | OK |
| 2 | The user enters the name, category, price, features of the product. | Product attributes appear on product post screen. | OK |
| 3 | The user presses the post button. | The product is approved by the system. | OK |
| 4 | User refreshes home page. | The product post should appear on the home screen. The user publishes without getting any errors and sees a confirmation message. | OK |

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-006** | **Comment** | **Decision** |
| Test description | Enables users to leave a comment to a post and sellers get a notification of the comment. |  | OK |
| Verified Requirement | SRS-OzU-G-006.1 | Demonstration | OK |
| Initial conditions | User should open the relevant product’s page |  | OK |
| Tests inputs | User comment. |  | OK |
| Data collection actions | User comment |  | OK |
| Tests outputs | User comment under the post |  | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | Comments shall be seen under the posts that they have been written to |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | The user opens the home page. | Products appear in home page, search bar appears in the top right corner of the frame, product categories and user profile photo appear on the side bar. | OK |
| 2 | The user clicks the comment operator on the product post. | Comment box appears on the product post under the product picture. | OK |
| 3 | The user drops a comment below to product. | An email is sent to owner of the post. | OK |

**NOT COMPLETED**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-007** | **Comment** | **Decision** |
| Test description | Search bar allows user to search products. |  | OK |
| Verified Requirement | SRS-OzU-G-007.1  SRS-OzU-G-007.2 |  | OK  NOT RUN |
| Initial conditions | User can use the search bar in home page. |  | OK |
| Tests inputs | N/A |  | OK |
| Data collection actions | N/A |  | OK |
| Tests outputs | Relevant products will be shown. |  | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | Products appear due to the search the user made in the search box |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | The user opens the home page. | Products appear in home page, search bar appears in the top right corner of the frame, product categories and user profile photo appear on the side bar. | NOT RUN |
| 2 | The user writes in the product details of the product they want to search in the search bar. |  | OK |
| 3 | The user clicks on the search button and searches for the product. | The user should see list of products according to criteria of search. | OK |

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-008** | **Comment** | **Decision** |
| Test description | Users can refresh the data shown in a specific page with the refresh button. |  | OK |
| Verified Requirement | SRS-OzU-G-008.1 |  | OK |
| Initial conditions | OzU-G started and idle, home page should open successfully. |  | OK |
| Tests inputs | N/A |  | OK |
| Data collection actions | N/A |  | OK |
| Tests outputs | N/A |  | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | If there are any updates on the page they should appear after refresh button is clicked. |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | The user presses the refresh button. | The page gets refreshed, the appropriate updates are made to the page. | OK |

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-009** | **Comment** | **Decision** |
| Test description | OzU-G provides profile button, covered with user’s photo. When clicked it shall take the user to his/her profile. |  | OK |
| Verified Requirement | SRS-OzU-G-009.1 |  | OK |
| Initial conditions | OzU-G started and idle, home page should open successfully. |  | OK |
| Tests inputs | N/A |  | OK |
| Data collection actions | N/A |  | OK |
| Tests outputs | N/A |  | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | Profile photo can be seen on the home and profile page. |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | |  | | --- | | The user opens the home page. | | |  | | --- | | Products appear in home page, search bar appears in the top right corner of the frame, product categories and user profile photo appear on the side bar. | | OK |
| 2 | The user clicks the profile button. | The profile page appears. | OK |

**OK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test-010** | **Comment** | **Decision** |
| Test description | In OzU-G user can change personal information. |  | OK |
| Verified Requirement | |  | | --- | | SRS-OzU-G-010.1 | | Inspection | OK |
| Initial conditions | |  | | --- | | OzU-G started and idle, home page should open successfully. | |  | OK |
| Tests inputs | N/A |  | OK |
| Data collection actions | N/A |  | OK |
| Tests outputs | N/A |  | OK |
| Assumptions and constraints | N/A |  | OK |
| Expected results and criteria | User info can be viewed and changed. |  | OK |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | The user opens the home page. | |  | | --- | | Products appear in home page, search bar appears in the top right corner of the frame, product categories and user profile photo appear on the side bar. | | OK |
| 2 | The user clicks the profile button. | The profile page appears with the profile information. | OK |
| 3 | The user presses the edit profile information button, edits the profile information and clicks the save changes button. | The profile information updates accordingly to the changes made by the user. | OK |