Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 04/11/2020 | 1.0 | Completed all sections of the document. | Burcu Arslan  Aleyna Ölmezcan  Emin Sadikhov  Abdullah Saydemir  Esad Simitçioğlu  Özge Yılgür |
| 07/11/2020 | 1.1 | Updated the document. Provided a test to check if the post is successfully published. | Burcu Arslan  Aleyna Ölmezcan  Emin Sadikhov  Abdullah Saydemir  Esad Simitçioğlu  Özge Yılgür |
| 13/11/2020 | 1.2 | Updated the tests according to the feedback and the changes made in SRS document. | Burcu Arslan  Aleyna Ölmezcan  Emin Sadikhov  Abdullah Saydemir  Esad Simitçioğlu  Özge Yılgür |

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# Introduction

## Document overview

This document is the software test plan of the OzU-G software development project. It contains the description of tests.

## References

| # | Document Identifier | Document Title |
| --- | --- | --- |
| [SRS] | OzU-G-SRS-1 | OzU-G Software Requirements Specifications |

## Conventions

Each test case will be presented in a table format as shown below:

|  |  |  |
| --- | --- | --- |
| **Test ID** | <ID of the test> |  |
| Test description | <A brief description of the test> |  |
| Verified Requirement | <ID numbers of requirements that are to be verified with this test.> | Verification method: <I,A,D,T> |
| Initial conditions | <The state of software before test> |  |
| Tests inputs | <Input data from any test tool, input files name and location, if any > |  |
| Data collection actions | <Recording and post processing of output data, if any > |  |
| Tests outputs | <Output data files, if any> |  |
| Assumptions and constraints | If any, may be limited access to a tool, license … |  |
| Expected results and criteria | <list of expected results> | <special criteria to be met by the result, if any> |
| **Test procedure** |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** |
| 1 | <actions listed row by row> | <expectation after each action if any> |
| 2 | … | … |

# Tests preparations

This section contains tasks and recommendations before executing tests.

## Hardware preparation

* MacBook with macOS Catalina operating system, 2.3 GHz Intel Core i5 CPU, 8GB RAM and Intel Iris Graphics 640 1536MB GPU.
* Windows 10 operating system, Intel i5-6402P CPU, 16 GB RAM and AMD Radeon RX 480 4 GB GPU

Above mentioned laptops will be used for testing.

## Software preparation

IntelliJ Idea IDE will be used as a software platform.

## Other test preparation

None

## Safety, security and privacy precautions

None

# Tests descriptions

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

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

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

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| **Test ID** | **Test-004** |  | |
| Test description | Users can view products on the home page. Users can filter and choose the order of products. |  | |
| Verified Requirement | SRS-OzU-G-004.1,  SRS-OzU-G-004.2 | Inspection | |
| Initial conditions | User should log-in without any error. |  | |
| Tests inputs | N/A |  | |
| Data collection | N/A |  | |
| Tests outputs | N/A |  | |
| Assumptions and constraints | N/A |  | |
| 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. |  | |
| **Test procedure** |  |  | |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | |
| 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. | |
| 2 | The user presses the filter button | Products should filter according to offered options. | | | |
| **Test ID** | **Test-005** | |  | |
| Test description | Tests if the post user can upload their product posts and the system checks the post validity. | |  | |
| Verified Requirement | SRS-OzU-G-005.1,  SRS-OzU-G-005.2,  SRS-OzU-G-005.3 | | Demonstration | |
| Initial conditions | User should open the relevant page to publish a product post. | |  | |
| Tests inputs | User comment | |  | |
| Data collection | User comment | |  | |
| Tests outputs | User comment under the post | |  | |
| Assumptions and constraints | N/A | |  | |
| Expected results and criteria | All the info needed (Name, Category, Price, Features) is available and post can be published. | |  | |
| **Test procedure** |  | |  | |
| **Step number** | **Operator actions** | | **Expected result and evaluation criteria** | |
| 1 | The user clicks the upload product post button. | | The product post screen is opened. | |
| 2 | The user enters the name, category, price, features of the product. | | Product attributes appear on product post screen. | |
| 3 | The user presses the post button. | | The product is approved by the system. | |
| 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. | |

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

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| **Test ID** | **Test-007** |  |
| Test description | Search bar allows user to search products. |  |
| Verified Requirement | SRS-OzU-G-007.1  SRS-OzU-G-007.2 | Demonstration |
| Initial conditions | User can use the search bar in home page. |  |
| Tests inputs | N/A |  |
| Data collection | N/A |  |
| Tests outputs | Relevant products will be shown. |  |
| Assumptions and constraints | N/A |  |
| Expected results and criteria | Products appear due to the search the user made in the search box |  |
| **Test procedure** |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** |
| 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. |
| 2 | The user writes in the product details of the product they want to search in the search bar. |  |
| 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. |

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

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| **Test ID** | **Test-009** |  |
| Test description | OzU-G provides profile button, covered with user’s photo. When clicked it shall take the user to his/her profile. |  |
| Verified Requirement | SRS-OzU-G-009.1 | Inspection |
| Initial conditions | OzU-G started and idle, home page should open successfully. |  |
| Tests inputs | N/A |  |
| Data collection | N/A |  |
| Tests outputs | N/A |  |
| Assumptions and constraints | N/A |  |
| Expected results and criteria | Profile photo can be seen on the home and profile page. |  |
| **Test procedure** |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** |
| 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. |
| 2 | The user clicks the profile button. | The profile page appears. |

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| **Test ID** | **Test-010** |  |
| Test description | In OzU-G user can change personal information. |  |
| Verified Requirement | SRS-OzU-G-010.1 | Inspection |
| Initial conditions | OzU-G started and idle, home page should open successfully. |  |
| Tests inputs | N/A |  |
| Data collection | N/A |  |
| Tests outputs | N/A |  |
| Assumptions and constraints | N/A |  |
| Expected results and criteria | User info can be viewed and changed. |  |
| **Test procedure** |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** |
| 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. |
| 2 | The user clicks the profile button. | The profile page appears with the profile information. |
| 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. |