

Testing Project for OLX

The scope of the final project for ITF Manual Testing Course is to use all gained knowledge throughout the course and apply them in practice, using a live application.

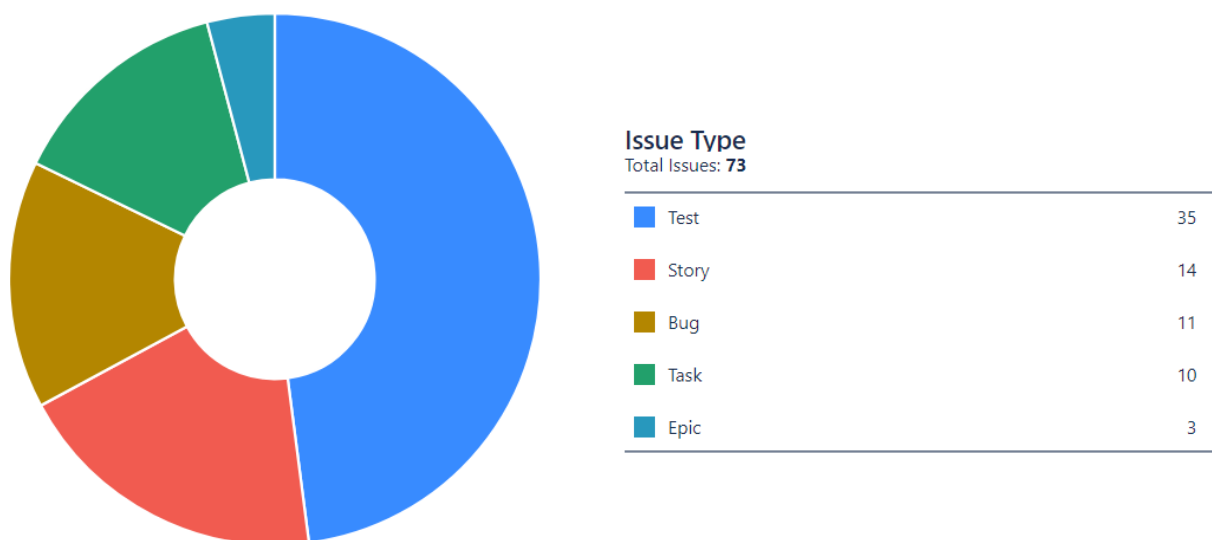
Application under test: OLX.

Tools used: Jira, Zephyr Squad.

Functional specifications:

The below stories were created in Jira and describe the functional specifications of the "OLX_1" key modules, for which the final project is performed upon: [Stories Jira](#)

Here you can find a chart that summarizes the issues that were created for this project:



Testing process

The test process was performed based on the standard test process as described below.

1.1 Test planning

The Test Plan is designed to describe all details of testing for three primary modules from the OLX application: the home page, the header menu and the login page.

The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan. The test plan that was created for this project can be found here: [Test Plan](#).

1.1.1. Roles assigned to the project and persons allocated

- Project manager: Roxana Istrate
- Product owner: Tudor Mincu
- Software developer: Iulia Corneci

- QA Engineer: Paula Sime

1.1.2 Entry criteria defined

- Functional specifications are defined
- Roles needed for the project are allocated
- Initial project risks were detected and mitigated

1.1.3 Exit criteria defined

- Number of unresolved bugs is insignificant or they have low priority
- All tests have been executed
- All resolved bugs have been re-tested and approved by the qa team
- Deadline was reached
- No detected major risk remained un-mitigated

1.1.4 Test scope

- **Tests in scope:** functional testing of key features of login, home page and header menu modules which were defined in software requirement specs.
- **Tests not in scope:** performance testing, security testing.

1.1.5 Risks detected

- **Project risks:** lack of experience of the QA team, short deadline of Zephyr Squad trial, unavailability of test environment
- **Product risks:** validation constraints on the fields might be too restrictive to the end-user

1.1.6 Evaluating entry criteria

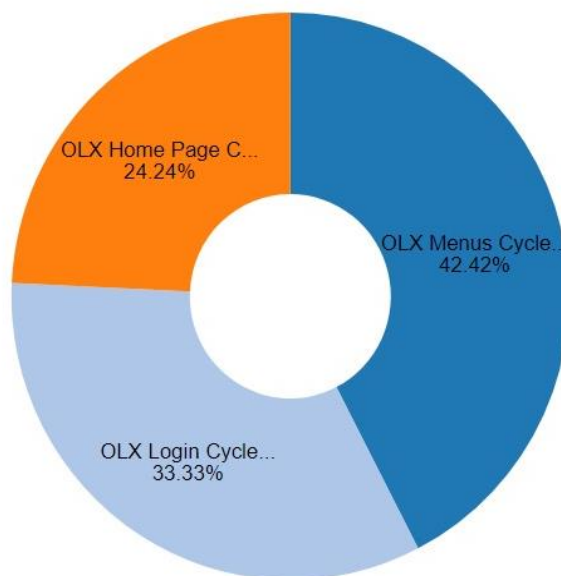
The entry criteria defined in the Test Planning phase have been achieved and the test process can continue.

1.2 Test Monitoring and Control

Various periodic reports were generated to reflect the current status of the testing process, in case of major problems control measures could be taken. The following status report was generated after 60% of the test cases were executed, on 22.03.2024:

Test Executions By Test Cycle

- OLX Menus Cycle Summary (14)
- OLX Login Cycle Summary (11)
- OLX Home Page Cycle Summary (8)



1.3 Test Analysis

The testing process will be executed based on the application requirements. The following test conditions were found:

- Verify that the footer menu functions correctly
- Verify that the featured Items and recommendations sections function correctly
- Verify that the categories section functions correctly
- Verify that the search bar functions correctly
- Verify that different language selection doesn't affect the browsing experience
- Verify that changing the language doesn't affect the integrity of the display
- Verify that there are no any rendering discrepancies between different browsers
- Verify that the UI elements and the design mockups match precisely
- Verify that users can navigate through the page using keyboard shortcuts
- Verify that images, buttons and text fields are displayed correctly and consistently
- Verify that text content is consistent and free of typos
- Verify the dropdown menu functionality
- Validate the visibility of the password field
- Validate the "Enter" key functionality
- Verify that the user can unsave a post by clicking on the heart shaped button
- Verify that the "Cautari salvate" section displays all saved searches
- Verify that the user can cancel ad creation at any time
- Verify that each menu item leads to the correct landing page
- Verify that the user can be logged in simultaneously on different browsers
- Verify that the user can recover or change password when following all the steps
- Verify that the user is not able to post an ad if not logged into the account
- Verify the "Previzualizeaza anuntul" button
- Verify that the user is not able to post an ad if at least one necessary requirement is not met

- Verify that the user can post a new ad when meeting all the necessary requirements
- Verify that the layout can be modified by switching between the two layout icon buttons
- Verify that the "Sterge toate anunturile" button deletes all saved posts in the favorites section
- Verify that the "Vazute recent" section displays all the posts accessed previously
- Verify that the "Anunturi favorite" section displays all the posts previously added to the favorites
- Verify that the user is not able to login without completing all the necessary requirements (3/3)
- Verify that the user is not able to login without completing all the necessary requirements (2/3)
- Verify that the user is not able to login without completing all the necessary requirements (1/3)
- Verify that the user is not able to login when using incorrect credentials (password)
- Verify that the user is not able to login when using incorrect credentials (e-mail)
- Verify that the user is not able to login when using incorrect credentials (both)
- Verify that the user is able to login using correct credentials

1.4 Test Design

Functional test cases were created in Zephyr Squad based on the analysis of the specifications. The test cases can be accessed here: [Jira Tests](#).

1.5 Test Implementation

The following elements are needed to be ready before the test execution phase begins:

- Testing environment is up and running: [Anunturi Gratuite - Peste 4 milioane anunturi - OLX.ro](#)
- Access to the testing environment is given: Email address: testuser19@gmail.com | Password: 11m#LOG61
- Cycle summary was created
- Test cases were added to the cycle summary

1.6. Test Execution

Test cases are executed on the created test cycle summaries: OLX Login Cycle Summary, OLX Home Page Cycle Summary and OLX Menus Cycle Summary.

Bugs have been created based on the failed tests and observations. The complete bug reports can be found here: [Jira Bugs](#).

The following is a summary of the bugs that have been found:

1	Bug	Priority
2	Wrong language display	Low
3	Hard to read words in search recommendations	Low
4	Items not translated in footer section (2/2)	Low
5	Items not translated in footer section (1/2)	Low
6	Items not translated in ads section	Low
7	Items not translated in favorites section	Low
8	No ad displayed between promoted listings	Medium
9	Incorrect display of ad	Medium
10	Post was unsaved but not removed from favorites section	Medium
11	No results shown in ""Vazute recent"" section	Medium
12	Inconsistent layout and design of footer icons	Medium

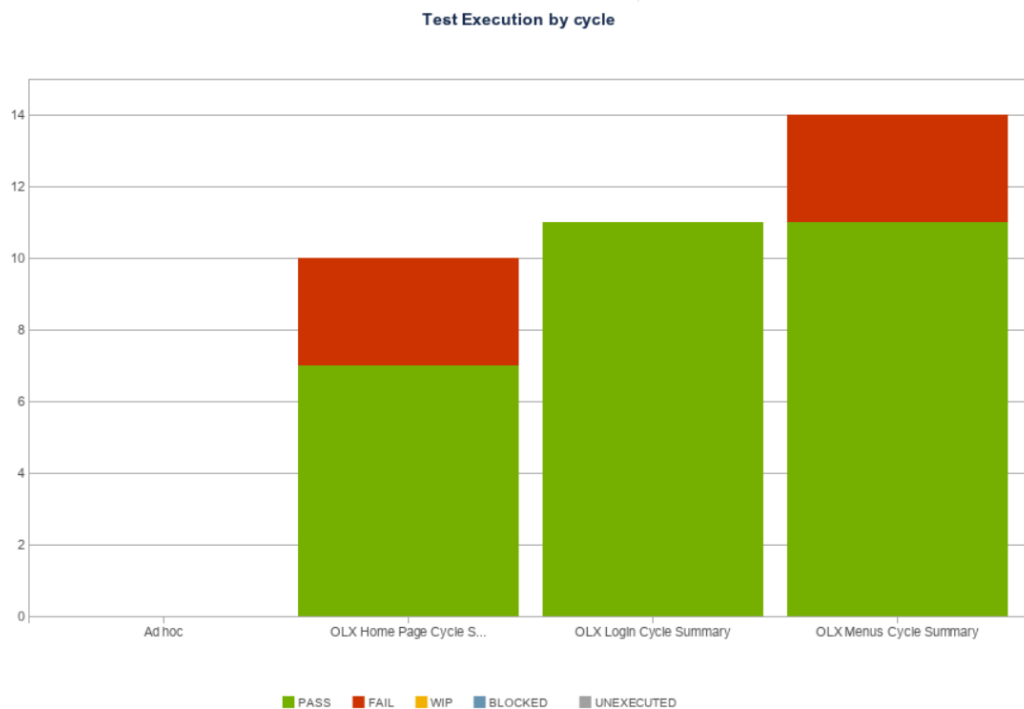
Full regression testing is needed on the impacted areas after the bugs are fixed and retesting will be done for every functionality that was previously failed.

1.7 Test Completion

As the Exit criteria were met and satisfied as mentioned in the appropriate section, this feature is suggested to 'Go Live' by the Testing team.

The traceability matrix was generated and can be found here: [Traceability Matrix](#).

Test execution chart was generated and can be found below.



The final report shows that a number 6 tests have failed of a total of 35.

A number of 11 total bugs were found, from which the priority is: 5 are medium and 6 are low.

Conclusion

Throughout our testing, we discovered several minor bugs and usability issues. These ranged from cosmetic glitches to minor functional inconsistencies.

Importantly, none of these bugs significantly impact the overall stability or functionality of the application.

Our high-priority tests, which focused on critical features and core functionalities, were executed meticulously. These tests covered essential scenarios such as user registration, item listing and search functionality. All high-priority tests passed successfully.

While we encountered some defects, their severity levels were low to moderate. None of the identified issues pose a risk to the application's launch or user experience.

The application handled concurrent user requests without performance degradation.

Post-launch, we recommend continuous monitoring to identify any unforeseen issues. Regular regression testing will ensure the application's ongoing reliability.