 **Test Plan**

**Test Plan Identifier**

**Introduction**

Customer wants a perfect website, which passed the full cycle of manual testing. Given the specificity of the site it is very important to have the same quality.

The Test Plan has been created to facilitate communication within the team members. This document describe approaches and methodologies that will apply to the unit, integration and system testing of the " https://rozetka.com.ua". It includes the objectives, test responsibilities, entry and exit criteria, scope, schedule major milestones, entry and exit criteria and approach. This document has clearly identified what the test deliverables will be, and what is deemed in and out of scope.

It is meant to be used as a manual during testing works. It describes the procedure of the testing process. The test plan is intended for project managers, product developers, and QA engineers.

The objective of the testing activities is to check functions and features of a software product developed for web browsers (Chrome, Firefox, Edge, Safari, Opera).

This Test Plan document for the project supports the following objectives:

● Identify existing project information and software components to be tested.

● Recommendation and description of the testing strategies to be employed.

● Identify required resources and provide a test effort estimate

● List the test project deliverable elements.

The results of test execution will be sent to the customer as reports. All found bugs will

be tracked using the TestLodge bug tracker.

**Test Items**

The document mainly targets testing and validating data in report output as per Requirements Specifications provided by client.

Testing of website is in the scope of this test plan. The following components and functions would be tested:

1. Registration

2. Login and password recovery

3. Burger-menu

4. Main page`s interface

5. Sub-category page

6. Filters

**Features Not To Be Tested**

The following components and functions would NOT be tested:

1. Payment
2. Editing your profile
3. Getting goods to shopping cart
4. Customers` reviews section
5. Delivery options
6. After-order tests
7. Design
8. In-stock/Out of stock verification options
9. FAQs
10. Contact Us page
11. Customer Service page etc.

**Approach**

Tests will be conducted per the documented test cases stored in TestLodge. The test manager will create test runs for each tester. The tester will execute the tests in TestLodge and mark each case as Pass / Fail / Skip. The tester should leave notes on actual results and any other relevant details when possible.

When tests are marked as Fail, bug reports will automatically be created in the issue tracker integrated with TestLodge.

Once complete, the test manager should review the test run reports in TestLodge and report back to the team accordingly.

**Item Pass/Fail Criteria**

All core functionality of the systems should function as expected and outlined in the individual test cases. There must be no critical defects found and an end user must be able to complete a purchase cycle successfully and initiate a refund without any errors. 95% of all test cases should pass and no failed cases should be crucial to the end-user’s ability to use the website.

**Suspension Criteria and Resumption Requirements**

Testing should be paused immediately if system experiences login issues.

**Test Deliverables**

Upon completion, the test run results will be saved in TestLodge and the test manager should then run a report for all completed tests.

**Test Tasks**

The objective of functional testing is to make sure that the whole software product works according to the requirements, and no significant errors appear in the application.

Functional testing is the most substantial part of software testing. It involves checking

different aspects of the system. A software product must pass all the planned tests. Only

in this case its quality can be assured.

Technique: Execute each use case, use-case flow, or function, using valid and invalid data, to verify the following:

● The expected results occur when valid data is used.

● The appropriate error or warning messages are displayed when invalid data is used.

● Each rule is properly applied.

**Entry Criteria**

● The application construction is completed.

● The test engineers are dedicated.

● Necessary devices, instruments, and other equipment are acquired.

● Test environment is prepared, and the application is released to the test environment.

**Completion Criteria:**

● All the planned tests are performed.

● There are no show-stopping errors.

● All the errors of high priority and severity are fixed.

● The test results are evaluated, discussed and approved.

**Considerations**: None.

**Environmental Needs**

The test site must be populated with test data including a variety of products with different prices. Test mode should be enabled for the backend e-commerce platform.

**Responsibilities**

The Test Manager is responsible for facilitating the testing project, coordinating availability and schedule of testers and training them as needed. Each tester should understand the expectations on completion date and level of quality. The Test Manager should also communicate any risks to the team.

Project Manager

● Managing the whole testing process.

● Providing all the needed resources for the testing activities.

QA Tech Lead

● Managing the QA team from a technical perspective.

● Analyzing the tasks and distributing them between team members.

● Communicating with the client team and discussing all issues, providing

recommendations before an update or release.

● Experience in participation of different SDLC models like Agile, Scrum, Kanban, Sequential, Iterative and Incremental.

● Creating test documentation, including test cases, test plans, etc.

● Proposing best practices and tools for a project.

QA Engineer

● QA process / logging found errors into the approved bug tracking system.

**Staffing and Training Needs**

Testing should be done by two testers. Both testers should conduct testing on each system. The testers assigned should have basic knowledge of the e-commerce platform.

**Schedule**

Testing will take place 4 weeks prior to the launch date. The first round of testing should be completed in 1 week.

**Risks and Contingencies**

* 1. Team member lack the required skills for website testing.
  2. The project schedule may be too tight; it’s hard to complete this project on time
  3. Test Manager may have poor management skill
  4. A lack of cooperation may negatively affect employees’ productivity
  5. Wrong budget estimate and cost overruns
  6. Absence of Internet connection
  7. Absence of electricity
  8. Hackers` attacks
  9. One of our team members may leave the project
  10. Changes in market strategies
  11. Changes in government regulations
  12. Changes in customer demands and interests
  13. Risk of ignoring the presence of a problem
  14. The server may be destroyed by smth (e.g. natural disaster)
  15. Delays in correcting/fixing errors;

**Resources:**

Time (at least 1 week);

Testers` team (2 members);

PC (2 items);

Stable Internet connection;

Needed software (browsers and other applications).

**Tools:**

The following tools will be used for this project:

1. TestLodge allows the entire team to manage their test plans, requirements, test cases and test runs all in one place.
2. Jira for defect tracking
3. Snagit for screenshots/videocapture
4. Latest version of web-browsers: Chrome, Safari, FireFox, Edge, Opera

**Approvals**

The test manager and product manage both must agree on completion of the testing project and determine when it’s ready to proceed to the next step