
<QWALLITY APPLICATION>

TEST PLAN

Release 1.0

16.08.2022 - 22.08.2022

VERSION HISTORY

ID & Version #	Prepared By	Revision Date	Approved By	Approval Date	Reason
1	Alisa Tamrazyan	17.08.2022	Nelli Krtyan	22.08.2022	1.0

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1 INTRODUCTION

Is being tested the QWALLITY application, with all its functionality. In test plan you can see the testing approaches, pass/fail criterias, risks and mitigations, that environment where should implemented and executed test cases. And at the end, the schedule by which the testing team will be guided is presented.

2 PROJECT DESCRIPTION

In application the admin users can added new courses, and the non-admin users can registered and buy course to learn. The courses, which buyed by they can see in **MyCourses** section. The admin users also can edit that courses. The users has account, which they can see clicking on their name and also can add money there. The application has the **Exercises** section, where users can do some action. There are also **Home** and **About us** sections, where the Home section is intended get info about courses and also the admin user adds the courses from exactly that section, and in About us section you can see info about QWALLITY IT company.

3 SCOPE OF TESTING

ITEMS TO BE TESTED	Item to Test	Test Description	Test Date	Estimation
	Register	Check, whether the user can successfully registered in application or not	08/16/2022	1pt
	Login	Check, whether the user can successfully login in application or not and when he (she) is forgot his(her) password, can he(she) change this.	08/16/2022	5pt
	Courses	Check, whether the courses section is available only when we logged, and can we use available courses or add new courses or not.	08/16/2022	5pt
	Exercises	Check, whether the exercises of Exercises is work correctly	08/16/2022	3pt
	The amount in my account	Check that every time can see the amount in account, add money there and it changes with the correct value		1pt

ITEM TO NOT BE TESTED	Item Not to Test	Comment
	Home <i>section</i>	Additional time is needed to test this section
	About us <i>section</i>	This is a information page

4 TEST APPROACH

In this system we applied the following types of testing:

- Functional testing
- Performance testing
- Security testing
- UI testing
- Black Box testing
- White Box testing
- Integration testing
- Regression testing
- Ad-Hoc testing
- Exploratory Testing
- System Testing

5 ITEM PASS / FAIL CRITERIA

The application should work according to the requirements and the exit criterion should be 90%. Otherwise, the testing should continue until we secure the passing threshold.

6 TEST DELIVERABLES

Milestone/Project	Completion/Execution Dates
<i>Requirements Review/Estimation</i>	<08/16/2022>
<i>Test Case preparation</i>	<08/17/2022>
<i>Test Case review</i>	<08/18/2022>
<i>Perform Testing</i>	<08/19/2022>
<i>Bug Report</i>	<08/21/2022>
<i>Test Summary Report</i>	<08/22/2022>

7 RESOURCE PLANNING

Operating System – Windows 64/bit

Browser – Google Chrome

Microsoft Edge

FireFox

8 TEST ENVIRONMENT

The environment, where we should implemented and executed tests is <https://dev-qwallity.herokuapp.com/> .

9 STAFFING / TRAINING NEEDS

In order automate the test cases and to perform regression testing

- The testing team must complete the appropriate training
- We need to hire an experienced member to join Testing team

10 RISK AND MITIGATION

RISK	MITIGATION
The lack of certain skills of QA, those are required for do testing	Organization of necessary trainings or courses, or hiring a experienced member to join a Testing Team
Delay from the previously scheduled time	Get complete requirements from the client Monitor and control the timely completion of tasks.
Internal disaccords within the organization or team	Know that everyone's goal is one, to give a quality product and there is no competition. Should be mature.
The poor documentation or constantly changing requirement	Work with the project's stakeholders early on to understand how requirements might change so that alternate test plans and strategies can be worked out in advance, if possible and to be flexible to changes
Poor stakeholder communication	Application of a systematic approach to stakeholder communication that would integrate well-structured methods for requesting, evaluation and approval of project changes.
Incorrect budget estimate and cost overruns, which were occur from very poorly code	Allocate estimation responsibilities to experienced specialists and scrutinize and evaluate the created cost estimates multiple times.
Unavailable environment, where must be implemented the testing	First check that the environment is available.

11 ROLES AND RESPONSIBILITY

Role	Responsibility
Test Team Manager	Understand the business objectives and present them to the team, creating a test plan, organizing reviews and similar organizational matters.
Senior Software Tester	Creating and running test cases for complex user stories, creating Bug Report
Junior Software Tester	Creating and running test cases for simple and easy user stories, , creating Bug Report
QA Lead	Check and control the work of QA's, implementing frequent reviews for test case.

12 TEST SCHEDULE

Deliverable	Effort(Person Hour)	Start Date	End Date
Requirements review	9 hour	08/16/2022 09:00	08/16/2022 18:00
Create the Test Case	9 hour	08/17/2022 09:00	08/17/2022 18:00
Test Case Review	9 hour	08/18/2022 09:00	08/18/2022 18:00
Perform Test Execution	18 hour	08/19/2022	08/20/2022
Create Bug Report	9 hour	08/21/2022 09:00	08/21/2022 18:00
Create Summary Report	6 hour	08/22/2022 09:00	08/21/2022 15:00
Total	60 hour	08/16/2022	08/22/2022