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Test plan for www.sololearn.com.

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Introduction:
The customer needs a perfectly working personal account on the website https://www.sololearn.com/profile/ “userID”. The Test Plan has been created to facilitate communication within the team members. Documents will indicate which tests, methods, platforms, deadlines will be used.

1.Required tests.

Functions to be tested:

- Profile settings.
- Corse progress module.
- Code bits module.
- Log-in; Log-out.

1.1. Manual tests:

1.1.1 Exploratory testing:

You act like a normal person, not a tester, just explore the site, how it looks (UI-test) and how it works (UX-test).

1.1.2 Functional Positive tests:

TC01. Create new account.

TC02. Change account information.
TC03. Delete courses from account.
TC04. Add new courses in account.
TC05. Delete account.

// Do the right thing, fill in the right information where it should be, and press the right buttons in the right sequence.
For this type of test, test cases are already being written, as isolated as possible for each functionality.
If there are no errors, then everything is fine, Positive test - PASS. If there are errors, then your Positive test is Fail.

1.1.3 Functional Negative tests:

TC06. Create new account with incorrect email.
TC07. Create new account without name.
TC08. Try add profile photo more than 800kb.
TC09. Create account with incorrect name.

// Write test cases and run tests on them, understanding how the program should work if the user does something wrong.
But You're doing it WRONG by expecting the program to defend itself and show Errors or Warnings, but that's what we expect.
That is, if you enter the wrong password, you cannot get into your account. And if the program lets you into your account with the wrong password or username, or without them at all, then this is an obvious BUG! And so on.
If there is an error due to incorrect user actions, then everything is fine, we are just waiting for this Program Error. In this case the Negative test is PASS. If there is no error, then your Negative test is Fail.
If you find bugs, as usual, you make bug reports in Jira.

1.2 Website automation tests (Selenium IDE):

TC 10 Automate the functions of the "Courses Progress" block, add and delete new course.
TC 11 Automate viewing account information.
TC 12 Automate the verification of the operation of the "Code Bits" block.
TC 13 Automate the work of the menu in the header of the site.

// Automate your manual testing using Selenium IDE tool and mark it as Pass or Fail in "Automation test" sub-task.

1.3 website API tests:

TC14 Create new Account

TC15 Change or add Account information
TC16 Add new course in account
TC17 Delete course from account
TC18. Delete account

// The API test should include server response tests, response time, and response size.

1.4. Website Performance Automation tests:

1.4.1 Lighthouse from Canada
1.4.2 GTMetrix from Canada
1.4.3. SpeedLab tools from Canada

2. Quality objectives.

2.1 Primary Objectives

A primary objective of testing is to: assure that the system meets the full requirements, including quality requirements (functional and non-functional requirements) and fit metrics for each quality requirement and satisfies the use case scenarios and maintain the quality of the product.
At the end of the project development cycle, the user should find that the project has met or exceeded all of their expectations as detailed in the requirements.
Any changes, additions, or deletions to the requirements document, Functional Specification, or Design Specification will be documented and tested at the highest level of quality allowed within the remaining time of the project and within the ability of the test team.

2.2. Secondary Objectives

The secondary objectives of testing will be to: identify and expose all issues and associated risks, communicate all known issues to the project team, and ensure that all issues are addressed in an appropriate manner before release.
As an objective, this requires careful and methodical testing of the application to first ensure all areas of the system are scrutinized and, consequently, all issues (bugs) found are dealt with appropriately.

3. Roles and responsibilities.

Role	Staff members	Responsibilities
Project manager	Sergey Efremov	1. Acts as a primary contact for development and QA team. 2. Responsible for Project schedule and the overall success of the project
QA	Aleksei Siniurin	1. Understand requirements. 2. Writing and executing Test cases. 3. Preparing RTM. 4. Reviewing Test cases, RTM. 5. Defect reporting and tracking. 6. Retesting and regression testing. 7. Bug Review meeting. 8. Preparation of Test Data. 9. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling.

4. Entry and exit criteria.

6.1 Entry Criteria

● All test hardware platforms must have been successfully installed, configured, and functioning properly.

● All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.

● All the standard software tools including the testing tools must have been successfully installed and functioning properly.

● Proper test data is available.

● The test environment such as, lab, hardware, software, and system administration support should be ready.

● QA resources have completely understood the requirements.

● QA resources have sound knowledge of functionality.

● Reviewed test scenarios, test cases and RTM.

6.2 Exit Criteria

● A certain level of requirements coverage has been achieved.

● No high priority or severe bugs are left outstanding.

● All high-risk areas have been fully tested, with only minor residual risks left outstanding.

● Cost – when the budget has been spent.

● The schedule has been achieved.

7. Bug Severity and Priority Definition

Bug Severity and Priority fields are both very important for categorizing bugs and prioritizing if and when the bugs will be fixed. The bug Severity and Priority levels will be defined as outlined in the following tables below. Testing will assign a severity level to all bugs. The Test Lead will be responsible to see that a correct severity level is assigned to each bug.

The QA Lead, Development Lead and Project Manager will participate in bug review meetings to assign the priority of all currently active bugs. This meeting will be known as “Bug Triage Meetings”. The QA Lead is responsible for setting up these meetings on a routine basis to address the current set of new and existing but unresolved bugs.

Serenity List

Severity ID	Severity	Severity Description
1	Highest	The module/product crashes or the bug causes nonrecoverable conditions. System crashes, or database or file corruption, or potential data loss, program hangs requiring reboot are all examples of a Severity 1 bug
2	High	Major system component unusable due to failure or incorrect functionality. Severity 2 bugs cause serious problems such as a lack of functionality, or insufficient or unclear error messages that can have a major impact to the user, prevents other areas of the app from being tested, etc. Severity 2 bugs can have a work around, but the work around is inconvenient or difficult.
3	Medium	Incorrect functionality of component or process. There is a simple work around for the bug if it is Severity 3
4	Low	Documentation errors or signed off Severity 3 bugs.

Priority list.

Priority	Priority level	Priority description
1	Highest	This bug must be fixed immediately; the product cannot ship with this bug.
2	High	These are important problems that should be fixed as soon as possible. It would be an embarrassment to the company if this bug shipped.
3	Medium	The problem should be fixed within the time available. If the bug does not delay the shipping date, then fix it.

4	Low	It is not important (at this time) that these bugs be addressed. Fix these bugs after all other bugs have been fixed. Enhancements/ Good to have features incorporated-just are out of the current scope.
5	Lowest	Documentation errors or signed off Low 4 bugs.

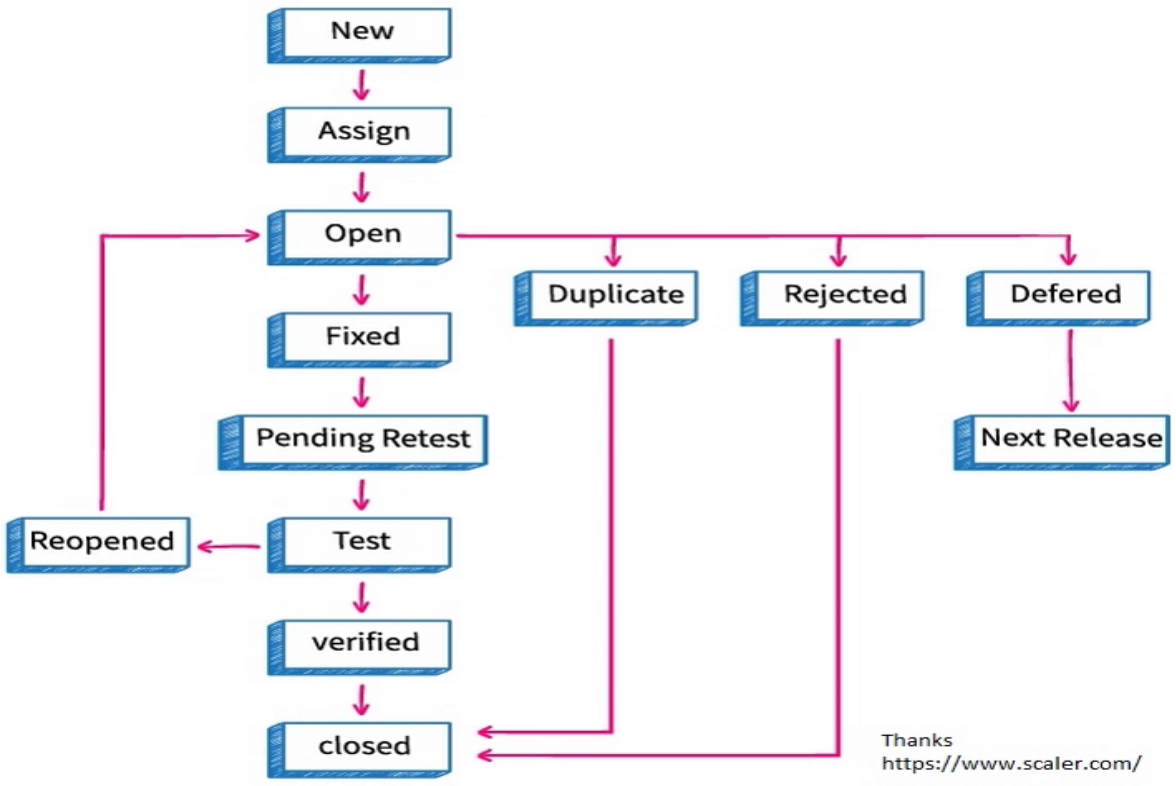
8. Resource and environment needs.

Process	Tool
Test case creation	PC, Microsoft Excel, Selenium IDE, Postman API, JIRA, GTMetrix, BrowserStuck, Lighthouse.
Test case tracking	JIRA, CRM systems.
Test case management.	Microsoft Excel, JIRA, Confluence, Google drive.
Test reporting	JIRA.
heck list creating	Microsoft Excel, JIRA.

9.1Test Environment (browsers):

9.1.1 Windows :Chrome (latest).

10. Bug Life cycle:



11. Test schedule up to.

Task name	Start	Finish	actual completion	Comments
Manual tests	03.20.2023	04.04.2023	03.22.2023	
Website API tests	03.23.2023	04.04.2023	03.24.2023	
Website Performance Automation tests	03.26.2023	04.04.2023	03.27.2023	
Website automation test (Selenium IDE)	03.28.2023	04.04.2023	03.31.2023	