Test Strategy Document

UrbanLadder Web Application Automation

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1. INTRODUCTION

1.1 Purpose

The purpose of this document to provide the overview of testing of Urban Ladder Web Application . This document cover risk control, test approach , entry and exit criteria, assumptions and dependencies, QA schedule to successfully documents the work for web application.

1.2 Referred Documents

The referred documents covered:

1. Business Requirement Specifications(BRD)
2. Functional Requirement Specification(FRD)

2.Assumptions and Dependencies

2.1 Assumptions

* The main tools for testing web application are the functionalities contained within the functional specification documents. This will define scope of testing and it is assumed that once functionality from this has been tested the full coverage has been achieved.
  1. Dependencies
* Availability of Development environment to validate test scripts.
* Availability of all necessary software description and operating system.
* Test data is specified by QA team, injected into the stage environment
* All necessary username and passwords provided to QA team.
* Knowledge transfer on functionality as well as Technology to testing team.

3.Test Approach

3.1 Test Preparation

       The QA Team will prepare Test scenarios and Test requirements based on all project related documents provided by the project team.

       The QA Team will prepare the system test cases to validate each Test Scenario and Test requirement.

       The system test cases will check the application functionality by supplying a set of valid and invalid inputs.

       The system test cases will be reviewed by the development PL. The Test Lead/Analyst will approve the document. The test cases will be stored in Quality Center from the draft stage itself. The test coordinator will export the test cases in excel format for ease of review.

3.2 Test Execution

* Test Execution also happens in **at least 2 cycles** (3 in some projects). Typically in each cycle, all the test cases (the entire test suite) will be executed. The objective of the first cycle is to identify any blocking, critical defects, and most of the high defects.
* The test scripts will be executed manually. The results will be validated against the expected results listed in the test scripts. Any defect found in this process will be logged in Quality Center.
* The application development team will review defects raised by the QA team. The tester will provide all necessary information about the defect in Quality Center 9.0 Attachment tab of Quality center will be used for providing any screen shots, files required for investigating the defects.
* After the completion of the testing run, team lead reviews the result. The test result is reported to the project PL who will approve the test results. This process may repeat till the number of bugs found is within the acceptable limits and the test exit criteria previously determined is achieved.

4 Risk Analysis

High Risk must be taken under consideration while completion of new functions and all related testing

**4.1** System Testing Entry and Exit Criteria

  **4.**1.1  Entry Criteria

       The following must be in place prior to the onset of QA System Testing

**QA**

       Daily communication plan in place.

       Test Case Reviewed and signed-off

       QA Data Requirements identified and all necessary password/accesses obtained.

       Daily Defect meeting Day/Time/Attendance established in the execution phase.

       All appropriate team members have access

       Test cases have been linked to test sets

4.1.2   Exit Criteria

The following must be in place prior to the sign-off of QA System Testing.

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       A minimum of 2 test cycles (100% execution) is completed.

       95% Pass Rate of all test cases.

       Regression Testing of defects fixed during system testing

       All defects logged

       QA sign-off on System test

       System Test Close-out report provided.

       Documented list of any outstanding(open)defects.

5. SDET Schedule

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| --- | --- | --- | --- |
| QA Activities | QA Deliverables | Start Date | End Date |
| Analysis of the Documents | Understanding Document | 16/05/2022 | 16/05/2022 |
| Test Planning | Test Plan document | 17/05/2022 | 17/05/2022 |
| Test scenario Identification & documentation | Test plan document | 17/05/2022 | 17/05/2022 |
| Test Case preparation & validation | Test Scenario document | 17/05/2022 | 17/05/2022 |
| Test Environment Setup | NA | 18/05/2022 | 18/05/2022 |
| Test Case execution & Defect tracking | Complete the execution & defect log maintained in Quality Center | 18/05/2022 | 18/05/2022 |
| End-to-End Test Scenario Identification & End-to-End test cases | End-to-End Test Scenario & End-to-End test cases | 18/05/2022 | 19/05/2022 |
| System Testing Sign-off | Exit Report | 19/05/2022 | 19/05/2022 |

6.Release Control

* Ensure proper and successful test execution of and set up the build management process so that we can easily get the information about when ,where and how the new builds should be made available and deployed.

7.Review and Approvals

The QA Manager, Test Team Lead, Project Manager shall review and approve the final version of the Test Strategy document