XYZ COMPANY

Detailed Test Plan – Urban Ladder Website

XYZ System

This copy printed on: November 29,2021

Document Last Modification date: November 29, 2021

Version: 1

Status: <Incubation>

Revision: 1

Document Owner: Team 1: SDET Java+ Python

Document Author: Team 1: SDET Java+ Python

Document Reviewer: <Manasvi Manjula>

**INDEX**

|  |  |
| --- | --- |
| 1. **INTRODUCTION………………………………………….** | **3** |
| 1. **SCOPE………………………………………………………** | **3** |
| 1. **QUALITY OBJECTIVES…………………………………**    1. ***Primary Objective…………………………………….***    2. ***Secondary Objectives………………………………...*** | **3**  **3**  **3** |
| 1. **TEST APPROACH………………………………………...** | **4** |
| 1. **ROLES AND RESPONSIBILITIES……………………...** | **4** |
| 1. **ENTRY AND EXIT CRITERIA ………………………….**    1. ***Entry criteria…………………………………………***    2. ***Exit criteria………………………………………….*** | **5**  **5**  **5** |
| 1. **SUSPENSION AND RESUMPTION REQUIREMENT..**    1. ***Suspension Criteria* …………………………………**    2. ***Resumption Criteria*………………………………..** | **5**  **5**  **6** |
| 1. **TEST STRATEGY…………………………………………** | **6** |
| 1. **RESOURCES AND ENVIRONMENT…………………...**    1. ***Testing Tools…………………………………………***    2. ***Testing Environment*…………………………………** | **7**  **7**  **7** |

**1 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 and the site.

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://www.urbanladder.com/**](https://www.urbanladder.com/)**.**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.

**2 SCOPE**

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

**2.1 Functions to be tested.**

* Deals of the week module

**2.2 Functions not to be tested.**

1. Not other than mentioned above in section 2.1

**3 QUALITY OBJECTIVES**

**3.1 Primary Objectives**

* A primary objective of testing is to: assure that the system meets the proper working of Deals of the week module , 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.

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.

**3.2 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 matter 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.

**4 TEST APPROACH**

The approach, that used, is Analytical therefore, in accordance to requirements-based strategy, where an analysis of the requirements specification forms the basis for planning, Plan estimating and designing tests. Test cases will be created during exploratory testing.test types are determined in Test Strategy.

Team also must used experience-based testing and error guessing utilize testers' skills and intuition, along with their experience with similar applications or technologies.

The project is using an agile approach, with weekly iterations. At the end of each week the requirements identified for that iteration will be delivered to the team and will be tested.

**5** **ROLES AND RESPONSIBILITIES**

|  |  |
| --- | --- |
| **Role** | **Responsibilities** |
| Project Manager | 1. Acts as a primary contact for development and QA team 2. Responsible for Project schedule and the overall success of the project. |
| QA Lead | 1. Participation in the project plan creation/update process. 2. Planning and organization of test process for the release. 3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing. 4. Report progress on work assignments to the PM |
| QA | 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/defecthandling. |

**6** **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

1. **SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS**
   1. **Suspension criteria**

• The build contains many serious defects which seriously or limit testing

progress.

• Significant change in requirements suggested by client

• Software/Hardware problems

• Assigned resources are not available when needed by test team.

**7.2 Resumption criteria**

* Resumption will only occur when the problem(s) that caused the caused the suspension have been resolved

**8 TEST STRATEGY**

**Functional Testing:**

* **Definition:**Functional testing is carried out in order to find out unexpected behavior of the report. The characteristic of functional testing are to provide correctness, reliability, testability and accuracy of the report output/data.
* **Participants:**
* **Mainline functions**:  Testing the main functions of an application
* **Basic Usability**: It involves basic usability testing of the system. It checks whether a user can freely navigate through the screens without any difficulties.
* **Accessibility**:  Checks the accessibility of the system for the user
* **Error Conditions**: Usage of testing techniques to check for error conditions.  It checks whether suitable error messages are displayed.

1. **RESOURCE AND ENVIRONMENT NEEDS**
   1. **Testing Tools**

|  |  |
| --- | --- |
| Process | Tool |
|  |  |
| Test case creation | Microsoft Excel |
|  |  |
| Test case tracking | Microsoft Excel |
|  |  |
| Test case execution | Manual, Protractor |
|  |  |

**9.2 Test Environment**

**Support level 1 (browsers):**

* Windows 8: Edge, Chrome (latest), Firefox (latest), Safari (latest)
* Mac OS X: Chrome (latest), Firefox (latest), Safari (latest)
* Linux Ubuntu: Chrome (latest), Firefox (latest)

**Support level 1 (devices):**

* iPhone 5 / 6, iPad 3, Nokia Lumia 910, Google Nexus 7, LG G3.

**Support level 2:**

* xWindows 7: IE 9+, Chrome (latest), Firefox (latest), Safari (latest)
* Windows XP: IE 8, Chrome (latest), Firefox (latest), Safari (latest)

**Support level 3:**

* anything else