**Test Plan**

**Data sparks\_094**

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**Test Plan**

# INTRODUCTION

Customer wants a perfect website, which passed the full cycle of Automation and 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 member. This document describe approaches and methodologies that will apply to the unit, integration and system testing of the “https://www.w3schools.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.

# OBJECTIVES

* To ensure the functionalities of key features such as product search, add to cart, checkout, and account management.
* To confirm compatibility with different browsers

# SCOPE

This test plan covers only functional testing and compatibility testing of the ACME demo application across different browsers.

# TESTABLE FEATURES

* Register
* Login
* Forgot password
* java
* Search
* Totorials
* courses
* java
* Exercise
* Button
* My learning
* Logout

# TEST APPROACH

 **Testing Types**

* Functional Testing
* Performance Testing
* System Testing

 **Testing Methodologies**

* Black-box Testing
* Regression Testing
* User Acceptance Testing (UAT)

 **Testing Environment**

* UAT

 **Operating System**

* Windows 12 and above
* Browsers: [Chrome and Microsoft edge]

# ROLES AND RESPONSIBILITIES

|  |  |  |
| --- | --- | --- |
| Role | Staff Member | Responsibilities |
| QA Tester |  | * Acts as a primary contact for development and QA Tester |
| QA Tester | Vasanthakumar G | 1. Responsible for Project schedule and the overall success of the project. 2. Understand requirements 3. Writing and executing Test cases 4. Reviewing Test cases, 5. Defect reporting and tracking 6. Retesting and regression testing 7. Bug Review 8. Preparation of Test Data 9. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling. |

# Testing Schedule

Following is the test schedule planned for the project:

|  |  |
| --- | --- |
| **Task** | **Time Duration** |
| Test Plan creation | 11 nov 2024 |
| Test Scenario creation | 13 nov 2024 |
| Test case creation | 11nov 2024 – 14 nov2024 |
| Test case Execution | 15 nov2024 |
| Summary Report Submission | 1. nov2024 |

# Test Deliverables

The following are to be delivered to the client:

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables** | **Description** | **Responsible Owner** | **Target**  **Completion Date** |
| Test Plan | Outlines the testing approach, strategies, and scope for the “Data sparks\_094” application. | Masai | 13 nov 2024 |
| Test Cases | Test Cases created for both functional testing and compatibility testing | Masai | 14 nov 2024 |
| Defect Reports | Detailed description of the defects identified in different versions of application. | Masai | 15 nov 2024 |

# ENTRY AND EXIT CRITERIA

## Entry Criteria

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

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

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

x Proper test data is available.

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

x QA resources have completely understood the requirements x QA resources have sound knowledge of functionality

## 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

# RESOURCE AND ENVIRONMENT NEEDS

## Testing Tools

|  |  |  |
| --- | --- | --- |
| Process |  | Tool |
| Test case creation | Visual studio |  |
| Test case tracking | Visual studio |  |
| Test case execution | cypress |  |
| Test case management | cypress |  |
| Defect management | Microsoft Word |  |
| Test reporting | Excel |  |
| Check list creating | Microsoft Excel |  |
| Project structure | word |  |

APPROVALS:

* Test plan
* Test Scenarios
* Reports

The below terms are used as examples, please add/remove any terms relevant to the document.