**TEST PLAN**

**INTRODUCTION**

The test plan is designed to test the JP Pet Store website to ensure proper functioning of all the features implemented by the development team.

This document contains :

* Test approach
* Test items
* Test Tasks and Deliverables
* Pass/Fail Criteria

**AUDIENCE**

* Project team members perform tasks specified in this document, and provide input and

recommendations on this document.

* Project Manager Plans for the testing activities in the overall project schedule, reviews the document, tracks the performance of the test according to the task herein specified, approves the document and is accountable for the results.
* The stakeholders’ representatives and participants (individuals as identified by the PMO Leads)may take part in the UAT test to ensure the business is aligned with the results of the test.
* Technical Team ensures that the test plan and deliverables are in line with the design, provides the environment for testing and follows the procedures related to the fixes of defects.
* Business analysts will provide their inputs on functional changes.

**TEST ITEMS**

* Home page
* Sign in
* Cart button
* Help
* Search bar
* Search button
* Link to products
* Link to product description

**FEATURES TO BE TESTED**

| **FEATURE** | **DESCRIPTION** |
| --- | --- |
| Sign in | Where user has to give in the credentials and after it will authenticated after clicking the submit button |
| Username and password fields | User can enter the credentials password should be displayed in encrypted form |
| Login button | Redirects the user to homepage and also does the authentication |
| Register | User will have to give the user id,password,name,address,email,phone, language,etc |
| Save the information | Saves the information of the user |
| Remember me | Save the credentials of the user |
| Home page | User can browse through available pets and select desired pets |
| Search bar and search button | The user can search for the desired |
| Cart button | Place where items to be purchased are added |
| Return to home | Allows user to go back to home from any page |
| Help page | Helps user to clear any query regarding the website |

**FEATURES NOT TO BE TESTED**

These features are not tested because the are not included in the software requirement specs :

* Database
* Software interface
* Communication interface
* Website security and Performance

**TEST TYPE**

The type testing to be used are:

● Functionality Testing: To make sure all the functions in the website are working properly.

● Web UI Testing: To make sure all the components within the website are connected

properly.

● Compatibility Testing: To check the mobile browsing and system compatibility.

● Performance Testing: To understand the performance of the web site in various

Scenarios.

**TEST OBJECTIVE**

The main objective is to verify the functionality of JpetStore works according to the specification.

The test will execute and verify the test scripts,identify,fix and retest all high and medium severity defects.

**TEST CRITERIA**

**Pass fail criteria**

At unit test level :

* All test cases should be complete.
* Code coverage tool indicates all codes are covered

At master test level :

* All lower level plans are completed
* All the plans have been completed and only have a minor error

**Suspension criteria**

If the team members report that there are 40% of failed test cases, suspend testing until the development team fixes the case

**Exit criteria**

Specifies the criteria that denote the successful completion of the testing phase

* Run rate is mandatory to be 100% unless clear reason is given
* Pass rate is 80%

**TEST DELIVERABLES**

Test deliverables are provided as below

* Test plans document.
* Test cases documents
* Test Design specifications.
* Test Tool
* Test Data
* Test Trace-ability Matrix
* Error logs and execution logs.
* Test Results/reports
* Defect Report

**TEST ENVIRONMENT**

A windows environment with Internet Explorer 8, 9 and 10, and with Firefox 27.0, as well as Google Chrome.

**RESPONSIBILITIES**

1.Test Manager

● Manage the whole project

● Define project directions

● Acquire appropriate resources

2.Tester

● Identifying and describing appropriate test techniques/tools/automation architecture

● Verify and assess the Test Approach

● Execute the tests Report the defects.

3.Developer in Test

● Implement the test cases, test program, test suite etc.

4.Test Administrator

● Builds up and ensures Test Environment and assets are managed and maintained

● SupportTester to use the test environment for test execution

**STAFFING AND TRAINING NEEDS**

1.Test Manager

2.Tester

3.Developer in Test

4.Test Administrator

**SCHEDULES**

| **TASK NAME** | **START DATE** | **END DATE** |
| --- | --- | --- |
| Making Test Specification | 08-09-2021 | 08-09-2021 |
| Milestone | 08-09-2021 | 08-09-2021 |
| Perform Test Execution | 09-09-2021 | 09-09-2021 |
| Milestone | 09-09-2021 | 09-09-2021 |
| Test Report | 10-09-2021 | 10-09-2021 |
| Milestone | 10-09-2021 | 10-09-2021 |
| Test Delivery | 11-09-2021 | 11-09-2021 |
| Milestone | 11-09-2021 | 11-09-2021 |
| Test Delivery | 12-09-2021 | 12-09-2021 |
| Milestone | 12-09-2021 | 12-09-2021 |

**RISK AND CONTIGUOUS**

| **RISK** | **CONTIGUOUS** |
| --- | --- |
| Team members lack the required skills for  website testing. | Plan training course to skill up your members |
| The project schedule is too tight; it's hard to  complete this project on time | Set Test Priority for each of the test activities |
| A lack of cooperation negatively affects your  employees' productivity | Encourage each team member in his task,  and inspire them to greater efforts. |
| Defects are found at last stage | Create a proper Defect Management plan |

**TEST APPROVALS**

| Signature |  |
| --- | --- |
| Name |  |
| Role |  |
| Date |  |