Test Plan for JPetStore

Test Plan Identifier:

TestPlan\_JPetStore\_9thSept\_v1.0

Introduction:

The JPetStore website aims to provide online pet shopping facility to its customers. This test plan describes the Test Items, testing approach, scope, schedule that will drive the testing of the JPetStore website. This helps the people outside the team to understand the details of testing.

Test Items:

1. Home Page
2. Sign In
3. Registration link
4. Search Option
5. Links to Products and Product ID
6. Return to Main menu
7. Shopping cart
8. Proceed to checkout

Features to be tested:

1. Link to JPetStore – Navigates the user to JPetStore website.
2. Sign in – Directs the registered user to sign in page where they can enter their JPetStore account details.
3. Username and Password field – user can enter their name and password.
4. Login button – If the credentials are correct, redirect the user to home page.
5. Registration link – This is for new users where they have to give their Full name, create a password, and other necessary details.
6. Save button – Saves the information given by the customer.
7. Return to main menu button – Redirects the customer to main menu page
8. Shopping Cart – Items to be purchased are added in this page
9. Proceed to checkout – Page where the user can place the order and Payment option is given.

Features not to be tested:

1. Database testing
2. Communication interface
3. External interfaces

Test Type:

1. Unit Test – Small individual software units are tested
2. Integration Test – Individual software modules are combined and tested.
3. Functionality Testing – To ensure that all the functions in the website are working properly.
4. System Test – To evaluate the system’s compliance with its specified requirements.
5. Performance Test – To evaluate the performance of the website.

Item Pass/Fail Criteria:

1. At unit test level:

* All test cases completed
* Code coverage tool indicated all code covered

1. At master test plan level:

* All lower level plans completed
* A specified number of plans completed without errors and a percentage with minor defects

Suspension criteria and Resumption requirement:

If there are 20% and above failed cases, suspend the testing until they are fixed by the team.

Test deliverables:

1. Test plan
2. Test data
3. Test tool
4. Test design specification
5. Test case specification
6. Test procedure specification
7. Test Result
8. Test summary Report

Test Task:

Allow the user and tester to avoid incomplete functions and prevent waste of resources chasing Non-defect.

Environment Needs:

* A windows environment with Google chrome or Firefox
* Website security

Responsibilities:

1. Test manager

* Manage the whole project
* Define project directions
* Acquire required resources

1. Tester

* Identify appropriate test techniques/tools
* Verify and access the test approach
* Execute the tests, log results, report the defects

1. Developer in test

* Implement the test cases

1. Test administrator

* Ensure all required elements are in place for testing

Staffing and Training Needs:

1. Training on the product
2. Training on the test tool to be used

Schedule

|  |  |  |
| --- | --- | --- |
| TASK NAME | START DATE | END DATE |
| Making test specification | 09/09/2021 | 09/09/2021 |
| Milestone | 09/09/2021 | 09/09/2021 |
| Perform test execution | 10/09/2021 | 10/09/2021 |
| Milestone | 10/09/2021 | 10/09/2021 |
| Test report | 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 Contingencies:

|  |  |
| --- | --- |
| RISK | MITIGATION |
| Team member lack the required skill for website testing | Plan training courses to skill up the members |
| Project schedule is too tight | Set test priority for each test activity |
| Lack of cooperation negatively effects the employees productivity | Encourage each team member in their task |
| Wrong budget estimation | Establish scope before beginning the work and constantly track and measure the progress. |

Approval:

Signature

Name

Role

Date