TEST PLAN IDENTIFIER :

TestPlan_JPetStore_9thSep_v1.0

INTRODUCTION :

This test plan describes the testing approach and overall framework that will drive the testing of the JPetStore. The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the resources and schedule required to complete testing, and the risks associated with the plan.

TEST ITEMS :

- JPetStore logo
- Cart button
- Home Page
- Sign in
- Search bar
- Search button
- Link to different products
- Link to product description
- Add items to the cart
- Remove items from the cart
- Updating the cart
- Proceed to checkout
- Cancelling order

FEATURES TO BE TESTED:

- **JPetStore logo :**

  Navigate to home page

- **Sign in:**

  This is where users have to give their credentials which is user id and password. Password should be in encrypted format.

- **Sign in button :**

  After clicking the sign in button the users will be taken to the homepage.

- **Username and password fields**:

  This is where the user id and password is entered. Password should be in encrypted form.

• **New user registration:**

A new user should create a new account by providing details.

- **Save account information:**

It will save the details of the new user into the account database.

• **Home Page**:

Users can choose ,search for the pets that they want which are available in the homepage.

• **Search bar and Search button:**

Users can search the pets which they want to buy and click the search button for searching. It will give the result of product id and name. Users have to select the product.

• **Return to main menu:**

Users can return to the homepage from any other page by clicking this option.

• **Cart:**

A page that shows the items added along with their item id, product id, description,i n stock,quantity, list price, total price.

• **Remove :**

Removes the product which the user doesn't want to buy

• **Update the cart:**

User can add the new product to the cart

FEATURES NOT TO BE TESTED

These features are not to be tested because they are not included in the software requirement specs.

• Database

• Communications Interfaces

• Website Security and Performance

TEST TYPES:

The type testing to be used are:

• Functionality Testing: Functionality system validates the software against the

requirements

- 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 OBJECTIVES:

The objective of the test is to verify that the functionality of JPetStore works according to the specifications.The test will verify the operations such as sign in,register,search… .can really work in a real environment.

TEST CRITERIA:

Fail and pass criteria:

At the unit test level:

- validate that each unit of the software code performs as expected.
- All the test cases are completed
- fixes bugs early

At the master test level:

- all lower level plans are completed
- all the plans have completed and only have minor errors.

Suspension Criteria:

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

EXIT CRITERIA:

Desirable conditions that need to be met in order proceed with the implementation

- 100% Test Scripts executed.
- Pass rate is 95% of the test script, achieving the pass rate is mandatory.
- No open Critical and High severity defects.

• 95% of Medium severity defects have been closed.

• All remaining defects are either cancelled or documented as Change Requests for a future release.

TEST DELIVERABLES:

- Test cases documents
- Test Design specifications
- Test Tool
- Test Data
- Test Trace-ability Matrix
- Test Closure report
- Error logs and execution logs.
- Defect Report

TEST ENVIRONMENT:

Windows 8 and above with google chrome,firefox.

RESPONSIBILITIES:

Test Manager:

- Manage the whole project
- Define project directions
- Acquire appropriate resources

Tester:

- identifying and describing appropriate test techniques/tools/automation architecture.
- Verify and assess the Test Approach
- Execute the tests Report the defects.

Developer in Test:

- Review testing deliverables (test plan, cases, scripts, expected results, etc.) and provide timely feedback.
- Certify correct components have been delivered to the test environment at the points specified in the testing schedule.

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:

- Test Manager
- Tester
- Developer in Test
- Test Administrator

SCHEDULES:

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

Test Delivery	13-09-2021	13-09-2021
Milestone	13-09-2021	13-09-2021

RISK AND MITIGATION:

RISK	MITIGATION
Testing schedule is tight.	The testing team can control the preparation tasks (in advance) and the early communication with involved parties.
Non-availability of Independent Test environment and accessibility	Due to non availability of the environment, the schedule gets impacted and will lead to delayed start of Test execution.
Defects are found at a late stage of the cycle or at a late cycle; defects discovered late are most likely be due to unclear specifications and are time consuming to resolve	Defect management plan is in place to ensure prompt communication and fixing of issues.
Delayed Testing Due To new Issues	If new defects are discovered, the defect management and issue management procedures are in place to immediately provide a resolution.

TEST APPROVALS:

Signature	
Name	
Role	
Date	