**TEST PLAN**

**JPETSTORE**

Version :1.0

Created on 9-9-2021

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description of Change** |
| 1 | 9-9-2021 | Chandana |  |
|  |
|  |  |  |  |

# Revision and Signoff Sheet

**Document History**- To maintain a list of changes being made

**Approvers List**- To track who has reviewed and signoff on the Test plan

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Role | Approver /  Reviewer | Approval /  Review Date |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Document Name** |
| 1.0 |  | JPETSHOP |
|  |  |  |

**Reference Documents**-Clearly mark the document used as an input to create the test plan

# INTRODUCTION

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities 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.

PROJECT OVERVIEW

**jpetshop** was designed to manage the pet information.

First, the pet must be registered before having any services. Any piece of information about the pets must be correct and organized to avoid any problem to be in countered like the bad feedback from the customer.The purpose of this system is to transact and deals with a nice and easier way by simply gathering information from the customer. It also helps to every individual by searching for the information needed.

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.
* 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
* Car Button
* Sign in
* Help
* Search bar
* Search button
* Link to products
* Link to product description

# FEATURES TO BE TESTED

This are the list of features to be tested

|  |  |
| --- | --- |
| **Feature** | **Description** |
| Sign in | user have to give their password and user id .checks for authentication |
| Login button | redirect the to homepage |
| Username and password fields | user id and password is entered and the passwordis shown in hidden format format. |
| Home page | Display the details of pets |
| Register | new user will have to register by giving there user information(user id, new password,repeat password),account information(name,address,email,phone) |

|  |  |
| --- | --- |
|  |  |
| Save the information button | save information of the new user |
| Return to home | back to home page from any other page |
| Search bar and button | user can search for the pets |
| Cart | Where all the items need to be purchased is added |
| Help page | Where user can get help regarding the usage of the website |

# FEATURES NOT TO BE TESTED

These feature are not be tested because they are not included in the software requirement specs

* Database
* Software Interfaces
* Communications Interfaces
* Website Security and Performance

**APPROACH**

In functional testing, jpetshop VERSION 3.0 will contain pre-loaded test data and which is used for testing activities.

## 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 test objectives are to verify the Functionality of website JPetStore, the project should focus on testing the operation such as sign in, register, and search…etc. to guarantee all these operations can work normally in a real environment.

## Test Principles

* + - Testing will be focused on meeting the business objectives, cost efficiency, and quality.
    - There will be common, consistent procedures for all teams supporting testing activities.
    - Testing processes will be well defined, yet flexible, with the ability to change as needed.
    - Testing activities will build upon previous stages to avoid redundancy or duplication of effort.
    - Testing environment and data will emulate a production environment as much as possible.
    - Testing will be a repeatable, quantifiable, and measurable activity.
    - Testing will be divided into distinct phases, each with clearly defined objectives and goals.
    - There will be entrance and exit criteria.

## TEST CRITERIA

**Fail and Pass Criteria**

At the Unit test level :

* All test cases completed.
* Code coverage tool indicates all code covered. At the Master test :
* All lower level plans completed.
* All the plans have been completed and only has a minor error

### 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

Specifies the criteria that denote a successful completion of a test phase

* Run rate is mandatory to be 100% unless a clear reason is given.
* Pass rate is 80%, achieving the pass rate is mandatory.

## 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

## 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.
2. Developer in Test
   * Implement the test cases, test program, test suite etc.
3. 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 | 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 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 |  |

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