SPRING PET CLINIC

Test Plan

Version 2.2

03/12/2020

ABSTRACT

This document provides an overview of the project and the project test strategy, a list of testing deliverables and plan for development

Christopher Wise

VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID & Version #** | **Prepared**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
|  |  |  |  |  |  |
| 1.0 | Christopher Wise | 03/08/2020 |  |  | Test Plan create |
| 2.0 | Christopher Wise | 04/26/2020 |  |  | Test Plan Revision |
| 2.1 | Christopher Wise | 04/28/2020 |  |  | Test Case Updates |
| 2.2 | Christopher Wise | 04/30/2020 |  |  | Test Case Updates |

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# Introduction

## Purpose of The Test Plan Document

The test plan is designed to prescribe the scope, approach, and resources of all testing activities of the project Spring Pet Clinic.

The plan identifies the items to be tested, the features to be tested, and the types of testing to be performed.

# Test ITEM

## Testing Objectives

The objectives of testing are as follows:

• Using Ruby, Katalon, Postman, and NMAP to test the Pet Clinic webpage to ensure the it is operating as needed.

• The goal should be a flexible website that could be used by different pet clinics that allow the management of users, pets, owners, veterinarians, specialties and appointment scheduling.

## Items to be Tested

|  |  |
| --- | --- |
| **Test Case** | **Test Description** |
| TC\_01\_OWNER\_ADD (2.1) | Webpage should allow for 30-character limit |
| TC\_02\_OWNER\_ADD (2.1) | Add owner using Responsive Web Design tool |
| TC\_03\_PERFORMANCE (3.1) | Ensure webpage loads with no performance errors |
| TC\_04\_DELETE\_PET\_API (2.1) | API Test delete pet type |
| TC\_05\_ADD\_PET\_API (2.1) | API Test add pet type |
| TC\_06\_PET\_SPECIALTIES (2.1) | Ensure webpage shows all clinic specialties |
| TC\_POSTMAN\_01 (2.0) | Confirm vet information through Postman |
| TC\_POSTMAN\_02 (2.0) | Confirm owner information through Postman |
| TC\_POSTMAN\_03 (2.0) | Delete vet information through Postman |
| TC\_POSTMAN\_04 (2.0) | Add a pet through Postman |
| TC\_01\_ADD\_OWNER\_AUTOMATION (Katalon) (2.1) | Add an owner using Katalon automation |
| TC\_02\_ADD\_PET\_AUTOMATION (ruby) (2.1) | Add a pet using ruby automation |
| TC\_03\_ADD\_OWNER\_AUTOMATION (ruby) (2.1) | Add an owner using ruby automation |
| TC\_01\_NMAP (2.0) | Use NMAP to locate traceroutes |
| TC\_02\_NMAP (2.0) | Use NMAP to locate open ports |

## Items to be EXCLUDED

|  |  |
| --- | --- |
| **Item Not to Test** | **Comment** |
| Hardware Interfaces |  |
| Communications Interfaces |  |
| Software Interfaces |  |

## Test Approach(s)

Functional, API, and security testing using combined manual and automation approaches.

## Test Pass / Fail Criteria

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

## Test Entry / 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

## A test plan, test cases, defects identified, and presentation will be provided. Separate presentation of self-learning will be provided to detail security testing involved in the project using the NMAP hacking tool.

## 2.8 Test Suspension / Resumption Criteria

Testing will halt for a project item (or function) when:

* A critical problem is identified and where the potential code fix will require substantial re-testing of that function
* It is identified that the business or technical specifications require major modifications due to escalated test issues and those modifications would require additional test analysis and or modification to the Test Plan.
* The test regions or test environment are not available (for any reason).
* The test regions or test environment suffer performance problems below 50% of their normal operating capacity, such that a region fix will require substantial re-testing of that function.

## Staffing / Training Needs

Clear understanding of SDLC, API testing using Postman and Curl, (manual and automated) functional testing. Tester must be familiar with security testing using NMAP.

# Risk and mitigation

## Test Risks / Issues

There is currently no risk to testing.

# Test Environment and infrastructure

## Required Infrastructure

**Software required:**

**Security testing**: NMAP

**Programming language**: Jscript, Watir

**API Testing**: Postman, Curl

**Automations Testing**: Katalon Studio, Interactive Ruby

**Browsers**: Chrome 80.0.3987.132

# Test Plan Approval

The undersigned acknowledge they have reviewed the **Spring Pet Clinic Website Test Plan** document and agree with the approach it presents. Any changes to this Requirements Definition will be coordinated with and approved by the undersigned or their designated representatives.

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Appendix A: References

The following table summarizes the documents referenced in this document.

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| **Document Name and Version** | **Description** | **Location** |
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