SPRING PET CLINIC

TEST PLAN

Version 1.2

03/02/2020

ABSTRACT

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

Michael Harris

VERSION HISTORY

ID & Version #	Prepared By	Revision Date	Approved By	Approval Date	Reason
1.0	Michael Harris	03/02/2020			Test Plan create
1.2	Michael Harris	03/19/2020			Test Plan Revision

TABLE OF CONTENTS

1   INTRODUCTION

1.1   PURPOSE OF THE TEST PLAN DOCUMENT

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

The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

2   TEST ITEM

2.1   TESTING OBJECTIVES

 The objectives of testing are as follows:

• Implement a world-class Pet Clinic website that will be scalable and expandable and will assist the customer and significantly reduce both internal and external complaints and improve clinic productivity and services.

• Develop a website that allows the management of users, pets, owners, veterinarians, and specialties through a common platform.

• Provide a robust website that can be used across multiple clinics across the United States.

2.2   ITEMS TO BE TESTED

All the feature of website Spring Pet Clinic which were defined in software specs requirements need to be tested

Test Case	Test Description
SPC1TC1	View all the veterinarians
SPC1TC2	Remove an owner from the owners list
SPC1TC3	Automation test Create a new Veterinarian
SPC1TC4	Add Specialty
SPC1TC5	Edit Pet type
SPC1TC6	Log out of Admin Privileges
SPC1TC7	API Test validate added owner
SPC1TC8	API test validate deleted owner
SPC1TC9	Automation test add owner
SPC1TC10	API Test validate add user
SPC1TC11	Permissions, Privileges, and Access Controls

SPC1TC12	Sensitive Cookie in HTTPS Session Without 'Secure' Attribute
SPC1TC13	Check for error code 200
SPC1TC14	Check for error code 400
SPC1TC15	Test Brute Force Attack

2.3   ITEMS TO BE EXCLUDED

Item Not to Test	Comment
Hardware Interfaces	
Communications Interfaces	
Software Interfaces	

2.4   TEST APPROACH(S)

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

2.5   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.

2.6   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.

2.7   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.

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.

2.9   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 OWASP ZAP and the Common Weakness Enumeration (CWE) definitions.

3   RISK AND MITIGATION

3.1   TEST RISKS / ISSUES

There is currently no risk to testing.

4   TEST ENVIRONMENT AND INFRASTRUCTURE

4.1   REQUIRED INFRASTRUCTURE

Software required:
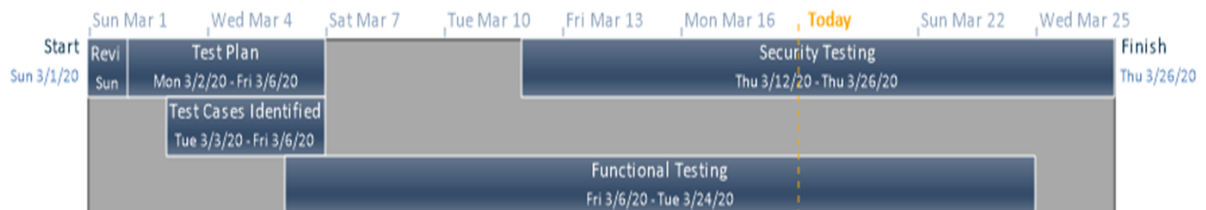
Security testing: OWASP ZAP

API Testing: Postman, Curl

Automations Testing: Katalon Studio, Interactive Ruby

Browsers: Firefox 74.0, Chrome 80.0.3987.132, Microsoft Edge 44.18362.449.0

5   TEST SCHEDULE

5.1   SCHEDULE

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.

Signature: _____   Date: _____

Print Name: _____

Title: _____

Role: _____

Signature: _____   Date: _____

Print Name: _____

Title: _____

Role: _____

Signature: _____   Date: _____

Print Name: _____

Title: _____

Role: _____

Appendix A: References

The following table summarizes the documents referenced in this document.

Document Name and Version	Description	Location