

Test plan

Project: JPetStore

Version 1.0, written by Pablo A. Balbo, on 02/27/2021, in order to find as many errors as possible on the website "JPetStore".

Introduction

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

Test Objective

The Test Plan includes the objective of the Test Plan, its scope, the type of testing to be used, the risks and possible problems, its logistics, its criteria, the resource plan, the testing environment, etc.

Test Strategy

1. Scope of Testing

- In Scope:

- ✓ Functional Testing;
- ✓ Security Testing;
- ✓ Cross Platform Testing;
- ✓ Cross Browser Testing.

- Out of Scope:

- ✓ Performance Testing
- ✓ Documentation Testing
- ✓ Acceptance Testing
- ✓ Regression Testing

2. Test Types:

- Unit Testing
- Integration Testing
- Security Testing
- System Testing

3. Risk & Issues:

	Risk	Mitigation
1	Low tester training	Train testers
2	Short delivery time	Optimize times and not do an exhaustive test
3	Insufficient or unclear documentation	Talk to the client to clear up doubts
4	There is no budget	It's just a practice
5	The website may go down and we will lose the work material	Work at times where the website is less prone to clutter and crash

4. Test Logistics

- Who Will Test?

The project will be tested by a single junior tester who will make all the Test Plans, will write all Test Cases, and will run them.

- When will the testing start?

The tester will start working when the Test Plan is ready, the Test Cases are written, and the test environment has been built.

Test Métrica

Test Criteria

- Suspension Criteria

Testing will be suspended if the tester finds that 60% of Test Cases failed. In that case, the project will be sent to the development area for correction. Testing will resume when 80% of failed tests are fixed.

- Exit Criteria:

- **Run Rate** (Test Cases Executed / Total Test Cases): $60/60 = 1 \times 100 = 100\%$
- **Pass Rate** (Approved Test Cases / Test Cases Executed): $55/60 = 0.91 = 91\%$

Resource Plan

○ **Human Resources**

The project will be tested by a single junior tester who will make all the Test Plans, will write all Test Cases, and will run them.

○ **System Resources**

- Server: Needs a separate web server.
- Test Tool: The Test Cases will be carried out manually.
- Network: Setup a LAN Gigabit and internet line with the speed at least 20 Mg/s.
- Computer: At least 1 computer run Windows 8.1, Ram 4,00 GB, processor Intel Core i3-3110M CPU 2.40GHz.

Test Environment

This Test Plan is being written when the product is already in Production Stage.

Schedule & Estimation

<u>Task</u>	<u>Member</u>	<u>Estimate Effort</u>
Creation of Test Cases	Tester	96 man hours
Creation of automatition tests	Tester	36 man hours
Test Excecution	Tester	29 man hours
Test Report	Tester	40 man hours
Test Delivery	Tester	15 man hours
<u>Total:</u>		216 man hours effort

Schedule

- Creation of Test Cases: From 01/03/2021 to 04/03/2021.
- Creation of automatition tests: From 06/03/2021 to 08/03/2021.
- Test Excecution: From 10/03/2021 to 11/03/2021.
- Test Report: From 13/03/2021 to 15/03/2021.
- Test Delivery: From 17/03/2021 to 18/03/2021.

Test Deliverables

Before Testing

- Test Plan Document
- Test Cases Documents
- Test Design Specifications

During Testing

- Test Tools
- Test Data
- Error logs and execution logs

After Testing

- Test Results
- Reports
- Release Notes