

# Testing Plan

*Project: Pet Store*

## Version history

Date	Author	Comments
07/18/2022	Mateo Castillo	V1

# Index

[1.Introduction](#)

[2. Resources](#)

[3. References](#)

[4. In Scope](#)

[5.Out of Scope](#)

[6. Infrastructure and assumptions](#)

[7. Risks](#)

# 1.Introduction

The purpose of this document is to provide the information, tools, and the required framework for planning and developing the testing process activities for the backend of the three main modules named “Pet”, “Store”, and “User”.

## 1.1 Context

The Pet Store company wants to build the backend of an ecommerce application for offering pets’ adoption. There will be 3 main modules described below.

Modules Summary			
Module	Pet	Store	User
Description	All about pets	Purchase orders	User operations
Actions	<ol style="list-style-type: none"><li>1. Create a pet</li><li>2. Add pet’s images</li><li>3. Update pet’s info</li><li>4. Filter pets by ID or status</li><li>5. Delete a pet</li></ol>	<ol style="list-style-type: none"><li>1. Create a pet request</li><li>2. Filter requests by ID or status</li><li>3. Delete a request</li></ol>	<ol style="list-style-type: none"><li>1. Create user</li><li>2. Log in</li><li>3. Log out</li><li>4. Delete user</li><li>5. Update user’s info</li><li>6. Filter user by username</li></ol>

## 2. Resources

Tester	% Involvement	Seniority
Mateo Castillo	100%	Junior

## 3. References

- Specification of project requirements
- User stories
- ISO 29119

## 4. In Scope

Sprint number	Objectives
1	Test API for Pet module
2	
3	
N	

## 5. Out of Scope

Non-functional quality items such as performance, security system and usability will not be tested. Also Front-End will not be tested in these testing activities. The company will put other personnel in charge of these activities. Changes or additions to product features are not expected nor taken into account at this stage.

## 6. Infrastructure and assumptions

### 6.1 Software testing infrastructure

Software Tool	Version	Usage
Maven	3.8.5	Dependencies manager
Gradle	7.4.2	Dependencies manager
Postman	9.4	API testing
Karate	2.2.3	Automation framework
Rest Assured	4.4	Dependencies
Git	2.3	Version controller
API (Pet's store)	1.0	Test
Java	1.8	Programming language

### 6.2 Hardware testing infrastructure

Item	Specs and features
Operating System	Windows 10 Home
Processor Manufacturer	Intel®
Processor Type	Core™ i5
Processor Model	i5-9300 H
Processor Speed	2.40 GHz
Graphics Controller Model	GeForce® GTX 1650
Total Solid State Drive Capacity	500 GB
RAM capacity	12 GB

As environment variables, it is important to have configured Maven and Gradle. For testing the modules, Postman, Karate, and Rest Assured are going to be used for its suitability for testing API's. Besides, Git is going to be used as a version control tool. All the versions are described in the chart above.

Secondly Windows is going to be used as the operating system for this project. The PC hardware specifications are described in the chart above.

### **6.3 Assumptions**

- Translation has been tested before being delivered in both languages English and Spanish
- Unitary testing has been practiced on the product
- All software resources have been installed and the hardware resources are available for testing
- User stories have been created for making the test cases
- Testers involved in the project have access to the API repository for the testing activities

## 7. Risks

ID	Risk Factor	Risk	Probability	Impact	Severity	Mitigation plan
R1	Schedules	There could be a difficulty at the moment scheduling the meetings because of time zones and personal schedules	Medium	Medium	Medium	Negotiate the hours for the team
R2	Seniority	The testers involved in the project are senior testers	High	High	High	Have tutoring or advising if necessary from other mature teams
R3	Lack of testing in iOS	The backend testing is not going to take into account the iOS operative system for testing	High	Medium	Medium	Clarify the business rules in order to know if the system will have users with iOS

\*\*\* Template taken from Agile Testing of Lisa Crispin and Janet Gregory.

---