

Test Plan - Pet Store API

Overview

Application: <https://petstore.swagger.io/>

Version: 2.0

Purpose

This document is detailing the process to test two end point on the PetStore API.

Tests will be performed on the GET findByStatus and PUT /pet endpoint.

Test Objectives

- Ensure that GET - /findByStatus only send out correct data, status codes & messages. Validation is according to documentation.
- Ensure that PUT /pet updates a pet, send out correct data, status codes & messages. Validation is according to documentation.

Scope

Functional testing of endpoints - Returns correct data, error messages and status codes.

Automation scope:

All test cases will be automated.

Test Approach

Types of testing

- **Functional testing** - Each endpoint perform as expected, errors, status codes & messages are displayed correctly. Correct data is gathered from the endpoints.

Test Environment

- **Browsers:** Chrome, Firefox, Safari
- **Devices:** Desktop
- **Test Data:** Valid/Invalid data, api-key

Test Scenarios:

GET /findByStatus

Send a valid request and make sure the response have correct content.

Send a valid request with each of the allowed statuses. Make sure that we only get pets with correct status back.

Send request with empty status. Make sure response is empty and validation fail.

Send request with numerical status. Make sure response is empty and validation fail.

Send request with Array status. Make sure response is empty and validation fail.

PUT /pet

Send a valid request and make sure all values are updated correctly.

Sending a request without an id should return status code 400.

Send a request without a name, it should return status code 405 Validation Exception.

Send a request without a name, it should not remove name from pet.

Send a request without photoUrls, it should not go through or update previous values.

Send a request without photoUrls & Name, it should not go through or update previous values.

Send a request with invalid status, it should return status code 405 Validation Exception.

Send a request with invalid status, status should not be saved.

Send a request when the name is of the wrong type, it should not go through.

Send a request where photoURLs is of the wrong type it should not go through.

Send a request where tag.id is of the wrong type,it should not save data.

Send a request where tag.name is of the wrong type,it should not save data.

Send a request where category.id is of the wrong type, it should not save data.

Send a request where category.name is of the wrong type, it should not save data..

Send a request where status is of the wrong type, it should not go through, it should not save data.

Test Metrics & Success Criteria

Pass Criteria:

All test cases are executed and passed with no high priority defects.

Fail Criteria:

If any critical/high priority defects are found.

Resources

Testers

1 QA Engineer

Tools

Playwright automation framework

Time Frame:

Start date 2024-09-25

End date 2024-09-27

Schedule

Task	Resources
Writing test plan	3 h
Defining test cases	3 h

Writing automated tests	12 h
Test execution	1h
Reporting	1 h