Test Plan Document
Pet Adoption Platform

Contents

1 Introduction

1.1 Purpose

The purpose of this document is to outline the test scenarios and test cases for validating the functionality of the Pet Adoption Platform frontend application. This document serves as a reference for ensuring that the core functionalities meet the specified requirements.

1.2 Scope

This testing document focuses on the frontend of the pet adoption platform, which includes pet browsing, filtering, detail viewing, and inquiry submission features. It does not cover backend operations or database functionalities, as they are not part of the current development phase.

2 Test Scenario 1

A registered or guest user visits the Pet Adoption Platform to explore adoptable pets. The user utilizes filtering options (e.g., species, breed, age, or size) to narrow down their search. After selecting a preferred pet from the filtered list, the user views the detailed pet profile, including images and relevant information such as health status and description. Finally, the user fills out and submits an adoption inquiry form to express interest in adopting the pet.

2.1 Test Cases

Test Cases for the scenario mentioned in section 2 are shown in Table 1.

Test Case ID	Test Case Desc	Functional Req Code	Test Data	Expected Result
TC01	Verify that filtering options display correct pets	FR01	Species: Dog, Breed: Labrador, Age: 1-3 years	Only Labradors aged 1-3 years are displayed
TC02	Verify that pet profile displays all required details	FR02	Pet ID: 123	Profile shows images, health status, and description
TC03	Verify that adoption inquiry form submits successfully	FR03	Form: Name, Email, Message	Confirmation message displayed

Table 1: Test Cases for Test Scenario 1

3 Test Scenario 2

A registered user logs into the Pet Adoption Platform to manage their profile. The user updates their personal information (e.g., name, contact details) and views their adoption inquiry history. The user also has the option to withdraw an existing inquiry.

3.1 Test Cases

Test Cases for the scenario mentioned in section 3 are shown in Table 2.

Test Case ID	Test Case Desc	Functional Req Code	Test Data	Expected Result
TC04	Verify that user can update profile information	FR04	Name: John Doe, Phone: 123-456-7890	Profile updated successfully
TC05	Verify that inquiry history is displayed	FR05	User ID: 456	List of past inquiries shown
TC06	Verify that user can withdraw an inquiry	FR06	Inquiry ID: 789	Inquiry removed from history

Table 2: Test Cases for Test Scenario 2

4 Test Scenario 3

A guest user attempts to access restricted features, such as submitting an adoption inquiry without logging in. The system prompts the user to log in or register before proceeding.

4.1 Test Cases

Test Cases for the scenario mentioned in section 4 are shown in Table 3.

Test Case ID	Test Case Desc	Functional Req Code	Test Data	Expected Result
TC07	Verify that guest user is prompted to log in	FR07	Form: Name, Email	Login prompt displayed
TC08	Verify that registration link works	FR08	Click Register	Registration page loads

Table 3: Test Cases for Test Scenario 3

5 Test Scenario 4

A user searches for pets using the search bar with keywords (e.g., "Golden Retriever" or "kitten"). The system returns relevant results based on the search query.

5.1 Test Cases

Test Cases for the scenario mentioned in section 5 are shown in Table 4.

Test Case ID	Test Case Desc	Functional Req Code	Test Data	Expected Result
TC09	Verify that search returns relevant pets	FR09	Query: Golden Retriever	Only Golden Retrievers displayed
TC10	Verify that empty search returns all pets	FR10	Query: (empty)	All available pets displayed

Table 4: Test Cases for Test Scenario 4

6 Test Scenario 5

A user navigates the platform using a mobile device to ensure the frontend is responsive and all features (browsing, filtering, inquiry submission) work correctly on smaller screens.

6.1 Test Cases

Test Cases for the scenario mentioned in section 6 are shown in Table 5.

Test Case ID	Test Case Desc	Functional Req Code	Test Data	Expected Result
TC11	Verify that filters work on mobile	FR11	Species: Cat, Screen: 375x667	Filters applied correctly
TC12	Verify that inquiry form is usable on mobile	FR12	Form: Name, Email	Form submits successfully

Table 5: Test Cases for Test Scenario 5

7 Test Scenario 6

A user encounters an error (e.g., invalid form input or network issue) while using the platform. The system displays appropriate error messages and allows the user to retry the action.

7.1 Test Cases

Test Cases for the scenario mentioned in section 7 are shown in Table 6.

Test Case ID	Test Case Desc	Functional Req Code	Test Data	Expected Result
TC13	Verify that invalid form input shows error	FR13	Email: invalid	Error message displayed
TC14	Verify that network error is handled	FR14	Network: Offline	Retry option displayed

Table 6: Test Cases for Test Scenario 6