Sunrise Inc.

PETFINDER

TEST PLAN

Date: 10/13/2025

Table of Contents

Introduction

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

1.1 Objectives

Our app is designed to allow the user to login once he or she opens the app to create a specialized user experience. The user will then be able to see the main menu of the app to aid in app navigation. From there, the user can pick between the many features PetFinder has to offer: pet details which allows a user to add a new pet and view already added pets, the alert system which allows the user to create posters and emails to be sent out to relevant contacts at the click of a button, and the toxic foods tab which displays a list of toxic foods to various pets.

Sprint 1 of the project will deliver the wireframes and design charts of our app's frontend to make the code implementation side easier to start.

1.2 Team Members

Resource Name	Role
Tanvi Biswal	Developer
Kimberley Juarez	Developer
Anjali Fernando	Developer
Bibek Pandey	Developer
Ojaswi Subedi	Developer

2 Scope

The initial sprint will include 'must have' requirements. These and any other requirements that get included must all be tested.

The following sections indicate what is tested during each sprint. The scope of testing is determined at the beginning of the current sprint.

At the end of Sprint 1, a user must be able to:

1. Read the name of the app, PetFinder

At the end of Sprint 2, a user must be able to:

1. View a simple infographic of toxic foods, so that a user can quickly learn what to avoid
2. View the home page of the app
3. Log in as an existing user or sign up as a new user to the app
   a. Security testing will be conducted to ensure logins work correctly and as intended

4. Change the schedule or timing in which they receive notifications to update pet information
    a. Testing will be conducted to ensure that changes made to the scheduled notification times are correct and notify the user during the time they set
    b. Testing will be conducted to ensure that the notifications work

At the end of Sprint 3, a user must be able to:

1. Add and view a profile for their pet
    a. Testing will be conducted to ensure new profiles save and display information correctly
2. Use an alert system to send out information about a missing pet
    a. Testing will be conducted to ensure information that is being sent out is accurate and up-to-date according to the last user imputed data
3. Upload more than one picture of his or her pet onto the app's photo gallery for a pet
    a. Testing will be conducted to ensure that the pictures stay saved and display correctly on the app
4. View a recommendations section that displays treats or toys a listed pet in the user's pet profiles might enjoy

Assumptions / Risks

2.1   Assumptions

We are working under the assumption that a user is someone who has access to a personal smartphone with the capabilities to download PetFinder, take pictures with his or her smartphone, and input information into required spaces on the app. We are also working under the assumption that a user will be able to modify and save changes he or she has made within the app, whether that be in the scheduled notification timings, pet profiles, emergency contacts, or alert system.

2.2   Risks

The following risks have been identified, and the appropriate action has been identified to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk was triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

#	Risk	Impact	Trigger	Mitigation Plan
1	Scope Creep – as testers become more familiar with the tool, they will want more functionality	High	Delays in the implementation date	Each iteration, functionality will be closely monitored. Priorities will be set and discussed by stakeholders. Since the driver is functionality and not time, it may be necessary to push the date out.
2	Weekly delivery is not possible because the developer works off site	Medium	Product did not get delivered on schedule	
3				
4				
5				

3   Test Approach

The project is using an agile approach, with 3-week sprints. *Mention how you will conduct testing during the sprint in terms of the techniques you plan to do and when. Add a new subsection for each sprint.*

Sprint 1
No testing because no implementation has been completed

Sprint 2
Testing will be conducted during the implementation of a feature and after the implementation completion of a feature to see if the feature fully adheres to what was stipulated in the scope. Test reviews will be discussed at every meeting the team holds, and the test cases will be changed if deemed necessary.

Testing will be conducted in the same manner as sprint 2 and test reviews will also function the same way and be held after team meetings. This can change in the future.

3.1   Test Automation

To reduce time in testing, the team plans on having a small database testers can pull information from to help ease testing. We will also use AI to create test cases for our project to save time.

3.2   Test Cases (Black Box)

3.2.1   Feature 1 - Pet Profiles

Test Case ID	Description	Requirements Trace	Directions	Expected Output
TC-001	UI Accessibility through the WWW.	List the user story/stories this is linked to	1. Open a web browser and go to the address of the RRS.	The home page for the RRS should be displayed.

3.2.2   Feature 2 - Alert System

Test Case ID	Description	Requirements Trace	Directions	Expected Output
TC-101	Prepare to request a reservation at a restaurant.	RES-002 RES-003 RES-005 RES-006	2. Execute TCB-004.	All fields necessary to fill in the data specified in the directions are present.

3.2.3   Feature 3 - Notification System

Test Case ID	Description	Requirements Trace	Directions	Expected Output
TC-101	Prepare to request a reservation at a restaurant.	RES-002 RES-003 RES-005 RES-006	3. Execute TCB-004.	All fields necessary to fill in the data specified in the directions are present.

3.2.4   Feature 4 - Photo Gallery

Test Case ID	Description	Requirements Trace	Directions	Expected Output
TC-101	Prepare to request a reservation at a restaurant.	RES-002 RES-003 RES-005 RES-006	4. Execute TCB-004.	All fields necessary to fill in the data specified in the directions are present.

3.2.5   Feature 5 - Recommendations Section

Test Case ID	Description	Requirements Trace	Directions	Expected Output
TC-101	Prepare to request a reservation at a restaurant.	RES-002 RES-003 RES-005 RES-006	5. Execute TCB-004.	All fields necessary to fill in the data specified in the directions are present.

3.2.6   Feature 6 - Toxic Foods Infographic

Test Case ID	Description	Requirements Trace	Directions	Expected Output
TC-101	Prepare to request a reservation at a restaurant.	RES-002 RES-003 RES-005 RES-006	6. Execute TCB-004.	All fields necessary to fill in the data specified in the directions are present.

3.3   Test Cases (White Box)

3.3.1   Feature 1 - Pet Profiles

Test Case ID	Description	Directions/Goals	Expected Output
TC-1001	Selecting a restaurant to visit.	Follow TCB-001 when there are no restaurants available. Does the system handle not having a restaurant to select?	Should load the home page without errors. However, there are no database checks for null pointers so if the DB fails, there will be an error.

3.3.2 Feature 2 - Alert System

Test Case ID	Description	Directions/Goals	Expected Output
TC-1001	Selecting a restaurant to visit.	Follow TCB-001 when there are no restaurants available. Does the system handle not having a restaurant to select?	Should load the home page without errors. However, there are no database checks for null pointers so if the DB fails, there will be an error.

3.3.3 Feature 3 - Notification System

Test Case ID	Description	Directions/Goals	Expected Output
TC-1001	Selecting a restaurant to visit.	Follow TCB-001 when there are no restaurants available. Does the system handle not having a restaurant to select?	Should load the home page without errors. However, there are no database checks for null pointers so if the DB fails, there will be an error.

3.3.4 Feature 4 - Photo Gallery

Test Case ID	Description	Directions/Goals	Expected Output
TC-1001	Selecting a restaurant to visit.	Follow TCB-001 when there are no restaurants available. Does the system handle not having a restaurant to select?	Should load the home page without errors. However, there are no database checks for null pointers so if the DB fails, there will be an error.

3.3.5 Feature 5 - Recommendations Section

Test Case ID	Description	Directions/Goals	Expected Output
TC-1001	Selecting a restaurant to visit.	Follow TCB-001 when there are no restaurants available. Does the system handle not having a restaurant to select?	Should load the home page without errors. However, there are no database checks for null pointers so if the DB fails, there will be an error.

3.3.6   Feature 6 - Toxic Foods Infographic

Test Case ID	Description	Directions/Goals	Expected Output
TC-1001	Selecting a restaurant to visit.	Follow TCB-001 when there are no restaurants available. Does the system handle not having a restaurant to select?	Should load the home page without errors. However, there are no database checks for null pointers so if the DB fails, there will be an error.

Test Environment

Testers will create a new user on the login page for certain tests and will use an already existing user for other tests.

4 Test Schedule

Task Name *(sample is below, focus on spring 1 to start)*	Start	Finish	Effort	Comments
Test Planning				
Review Requirements documents				
Create initial test estimates				
Learn new test resources				
First deploy to QA test environment				
Functional testing – Sprint 1				
Iteration 2 deploy to QA test environment				
Functional testing – Sprint 2				
System testing				
Regression testing				
Usability Testing				
Resolution of final defects and final build testing				
Deploy to Staging environment				
Performance testing				
Release to Production				