CS 411W Lab III

The Modern Dog Prototype Test Plan

Team Iron

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Version 1
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1. Objectives

Objectives have been omitted from this version of The Modern Dog Prototype Test Plan.

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2. References

References have been omitted from this version of The Modern Dog Prototype Test Plan.

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3. Test Plan

The test plan has been omitted from this version of The Modern Dog Prototype Test Plan.

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4. Test Procedures

Describe each planned test, the procedures required to execute the test, expected results, etc. in the form of Test Cases

4.1. Test Case 1.1 - Settings Page

Specification Reference - 3.1.2.1 The product shall have a settings page allowing the user to perform the following actions

Description of Test - This test will verify the settings page exists, and has a button or link to change the following options:

- Update Address
- Change Password
- Change Security Questions
- Change Primary Veterinarian
- Update Email Address
- Edit Time and Date Settings
- Change Diet Settings
- Add Dog Profile
- Change Dog Information
- Log Out

Test Initialization:

- User logged in and at home page.

Test Inputs: None
Test Procedure:

1. Navigate from login activity to home activity.

2. Click the dropdown button in the upper left hand side of the screen.

3. Select the “Settings” page from the drop down menu.

4. Verify the options that appear in the settings activity.

Expected Result:

1. The settings page has a button representing every option that was laid out in section 3.1.2.0

2. Every option, when clicked, navigates to the page that is associated with it.

Special Instructions: None
4.2. Test Case 1.2 - Dog Profile

Specification Reference - 3.1.2.3 The product shall allow the user to add a dog profile

Description of Test - This test will verify the dog profile has the following parameters

- Name
- Age
- Breed
- Picture

Test Initialization:

- User logged in.
- “Add or Remove dog” activity is active

Test Inputs:

- Name: Test
- Age: 2
- Breed: Jack Russel
- Picture: test.png

Test Procedure:

1. Enter the test inputs into the assigned data fields.
2. Once the information has been entered, select the “Enter” button.
3. Verify that a dog has been added to the users profile with the parameters that match what was added.

Expected Result:

1. The user should be able to see a dog profile that has been added to their account.
2. The information of the dog profile should match the test information that was entered.

Special Instructions: None
4.3. Test Case 1.3 - Deleting Dog Profile

Specification Reference - 3.1.2.5 The product shall allow the user to remove a dog profile from their account.

Description of Test - This test will verify that a user is able to delete an animal profile from their account.

Test Initialization:
- User logged in.

Test Inputs: None

Test Procedure:
1. Navigate to the “Add or Remove dog” activity.
2. From this activity, select the dog that will be deleted.
3. Press the “Delete” button.
4. Verify that the dog profile has been deleted from the user profile.

Expected Result:
1. The dog profile that was deleted should be removed from the user profile.

Special Instructions: None
4.4. Test Case 1.4 - Choosing a Primary Dog

Specification Reference - 3.1.3.1 The product dashboard shall allow the user to select a primary dog.

Description of Test - This test will verify that a user will have the ability to select a dog profile and activate it as a main dog profile.

Test Initialization:

- User logged in.
- User at main activity dashboard.

Test Inputs: None

Test Procedure:

1. From the dashboard, select the dog named Test.
2. Once the dog is selected, press the “Make Primary” button.
3. Verify that the Test dog is now being displayed in the dashboard.

Expected Result :

1. The dog that was selected as the primary dog should be displayed in the dashboard.

Special Instructions : None

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4.5. Test Case 1.5 - Dashboard Display

Specification Reference - 3.1.3.2-3.1.3.4 The dashboard shall display the following information of the primary dog:

- Name
- Picture
- Most recent logged weight
- Most recent logged sleep

Description of Test - This test will verify the home dashboard displays the correct information for the primary dog.

Test Initialization:

- User logged in
- User at main activity dashboard
- Primary dog named “Test” is selected.

Test Inputs:

Test Procedure:

1. From the dashboard, select the dog named Test.
2. Once the dog is selected, press the “Make Primary” button.
3. Verify that the Test dog is now being displayed in the dashboard.

Expected Result:

1. The dog that was selected as the primary dog should be displayed in the dashboard.

Special Instructions: None
4.6. Test Case 1.6 - Appointment Reminders

Specification Reference - 3.1.4.1

Description of Test - This test will verify that the app has the ability to create reminders.

Test Initialization:

- User is logged in.
- User at appointment reminder activity.

Test Inputs:

- **Date**: User will select a date.
- **Time**: User will select a time.

Test Procedure:

1. The user will navigate to the appointment reminder activity.
2. User will select a date that is equal to the date of the test.
3. User will select a time that is 1 minute ahead of the current time.
4. User will wait 1 minute and verify that reminder was set and is functional.

Expected Result:

1. The user will be able to select a date and a time, when that date and time is reached, an alert will sound and a notification reminder will be displayed on the device.

Special Instructions: None
4.7. Test Case 1.7 - Weather Display Alerts

Specification Reference - 3.1.4.4

Description of Test - This test will verify that hot and cold weather alerts are sent to the user’s specified notification preferences.

Test Initialization:

- User logged in
- User has specified notification preference
- User has allowed “Use Location” permission

Test Inputs:

Test Procedure:

1. Send test hot and cold weather notifications to the test user.

Expected Result:

1. The test user receives the notification to all of their specified destinations.

Special Instructions: None
4.8. Test Case 1.8 - Diet Tracker

Specification Reference - 3.1.4.5

Description of Test - This test will verify that the diet of your primary dog is being tracked.

Test Initialization:

- User logged in.
- User has added a dog to their profile.
- User has selected a dog as their primary dog.

Test Inputs:

- **Food Brand**: Purina
- **Food Type**: ONE SMARTBLEND
- **Number of servings**: 2
- **Description**: Have noticed the primary dog has more energy with this food.

Test Procedure:

1. User will login and navigate to the “Diet Tracker” activity.
2. User will enter the data required for the diet tracker.
3. Upon pressing the enter button, the user will receive a successful notification.
4. User will now be able to view their diet tracking values from the dashboard

Expected Result:

1. The information is saved and able to view in the user’s primary dog diet tracker portal.

Special Instructions: None

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4.9. Test Case 1.9 - Sleep Data

Specification Reference - 3.1.5.1

Description of Test - This test will verify that sleep data is able to be recorded.

Test Initialization:

- User logged in.
- User has added a dog to their profile
- User has selected a dog as their primary dog

Test Inputs:

- Date value:
  - Starting date
  - Ending date

Test Procedure:

1. User will log in and navigate to the “Record Sleep” activity.
2. User will enter in a start date and time.
3. User will enter in an end date and time.
4. Upon pressing enter button, the user will get a toast confirming selection and data entry.
5. User can now go to the dashboard and see the latest sleep entry that was entered.

Expected Result:

1. User should be able to enter sleep information and see it displayed on the main dashboard upon completion of entering it within the application.

Special Instructions: None
4.10. Test Case 1.10 - Exercise Data

Specification Reference - 3.1.5.2

Description of Test - This test will verify that exercise data is able to be recorded.

Test Initialization:

- User logged in.
- User has added a dog to their profile
- User has selected a dog as their primary dog

Test Inputs:

- Date value:
  - Starting date
  - Ending date

Test Procedure:

1. User will log in and navigate to the “Record Exercise” activity.
2. User will enter in a start date and time.
3. User will enter in an end date and time.
4. Upon pressing enter button, the user will get a toast confirming selection and data entry.
5. User can now go to the dashboard and see the latest exercise entry that was entered.

Expected Result:

1. User should be able to enter exercise information and see it displayed on the main dashboard upon completion of entering it within the application.

Special Instructions: None
4.11.  Test Case 1.11 - Sleep Report

Specification Reference - 3.1.6.1-3.1.6.4

Description of Test - This test will verify that sleep data will display to the user.

Test Initialization:

- User logged in.
- User has added a dog to their profile.
- User has selected a dog as their primary dog.
- User has entered in sleep data.

Test Inputs:

Test Procedure:

1. User will log in and will be able to view the latest sleep report from the dashboard.
2. User will navigate to "Sleep Report" to view the full report.
3. Verify that the full report of sleep data is now being displayed.

Expected Result:

1. The user will be able to view a table of sleep entries that contain the columns: date, starting time, end time, and total time spent sleeping.
2. The user will be able to enter in a date range when viewing sleep entries.

Special Instructions: None
4.12. Test Case 1.12 - Exercise Report

Specification Reference - 3.1.6.5-3.1.6.8

Description of Test - This test will verify that exercise data will display to the user.

Test Initialization:

- User logged in.
- User has added a dog to their profile.
- User has selected a dog as their primary dog.
- User has entered in exercise data.

Test Inputs:

Test Procedure:

1. User will log in and will be able to view the latest exercise report from the dashboard.
2. User will navigate to "Exercise Report" to view the full report.
3. Verify that the full report of exercise data is now being displayed.

Expected Result:

1. The user will be able to view a table of exercise entries that contain the columns: date, starting time, end time, and total exercise time.
2. The user will be able to enter in a date range when viewing exercise entries.

Special Instructions : None
4.13.  Test Case 1.13 - Weight Report

Specification Reference - 3.1.6.9-3.1.6.11

Description of Test - This test will verify that weight data will display to the user.

Test Initialization:

- User logged in.
- User has added a dog to their profile.
- User has selected a dog as their primary dog.
- User has entered in weight data.

Test Inputs:

Test Procedure:

1. User will log in and will be able to view the latest weight report from the dashboard.
2. User will navigate to "Weight Report" to view the full report.
3. Verify that the full report of weight data is now being displayed.

Expected Result:

1. The user will be able to view a table of exercise entries that contain the columns: weight, date recorded.
2. The user will be able to enter in a date range when viewing weight entries.

Special Instructions: None
5. Traceability to Requirements

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