PetPal Test Cases And Requirements Test Coverage Report

Version 1.0

26/10/2024

VERSION HISTORY

Version #	Implemented By	Revision Date	Approved By	Approval Date	Reason
1.0	Najah Ismail	20/10/2024	Mishra Apurva	20/10/2024	Initial Test Cases
1.1	Mishra Apurva, Nithya Hariharan, Najah Ismail, Tan Jing Jie, Tan Shu Hua, Samantha	26/10/24	Mishra Apurva	26/10/24	Update for clarity

Login

Test Case ID:	T0001		
Test Case Name:	Register New User		
Test Case Description:	User will launch the app and register a new account. The account must be saved inside the Firebase.		
Pre-Conditions:	User is on the login screen upon opening the application.		
Post-Conditions:	User account is registered in the Firebase and the user can log in with the newly created account.		
Created By:	Najah	Last Updated By:	Najah
Date Created:	20/10/24	Last Updated:	20/10/24
Test Case No.	Description	Expected Outcome	Actual Output
1	User enters the login screen.	The application will show the login screen with options for 'Sign Up' and 'Login'.	Application shows the login screen with options for 'Sign Up' and 'Login'
2	User taps 'Sign up' button.	The app will navigate to the Registration screen.	Application navigates to the Registration screen.
3	User is asked to choose between Agency and User.	User is able to see 2 options as User and Agency to choose between.	Application displays choice between User and Agency
4	User inputs an unregistered email address an taps the 'Send' button.	OTP email will be sent to the supplied email address.	OTP email is sent to the supplied email address.
5	User enters the required 'Name', and 'Password' form fields and taps register.	Account will register into the Firebase database.	Account is registered in the Firebase database.
6	User attempts to login.	App will navigate to the Main screen upon a successful login attempt.	App navigates to the Main screen

			after successful login.

Profile

View Profile

Test Case ID:	T0002		
Test Case Name:	View Profile		
Test Case Description:	The user will launch the app and login. They will be able to view the profile and the details		
Pre-Conditions:	User has a registered account and has logged in.		
Post-Conditions:	User account can view their details in the application		
Created By:	Najah	Last Updated By:	Najah
Date Created:	20/10/24	Last Updated:	20/10/24
Test Case No.	Description	Expected Outcome	Actual Output
1	User logs into the application by inputting necessary information.	The application will show the login screen and will successfully login once done.	Application shows the login screen as well as successful login once details are correctly entered. '
2	User will be directed to their Profile page	The application navigates to the profile page.	Application navigates to the profile page.
3	User is able to view the details of their account in the system	User is able to see details of their account in a structured and user-friendly format.	Application displays the details of the account in a structured format.

Edit Profile

Test Case ID:	T0003		
Test Case Name:	Edit Profile		
Test Case Description:	The user will navigate to their profile page and will be able to update profile details.		
Pre-Conditions:	User has a registered account and has logged in. User is on the profile page.		
Post-Conditions:	User account can edit and see the saved results.		
Created By:	Najah	Last Updated By:	Najah
Date Created:	20/10/24	Last Updated:	20/10/24

Test Case No.	Description	Expected Outcome	Actual Output
1	User navigates to the profile page and taps on the edit icon .	The application will show the profile page and display the editable fields.	Application navigates to the edit profile page and the fields are now editable.
2	User updates profile details (e.g., name, bio, contact)	The application reflects the changes made by the user.	Application reflects the changes made by the user.
3	User clicks on the "Add Pet" option in the edit profile screen and enters the details as required. (not applicable for Agency account)	The application displays a form to input pet details (e.g., name, breed, age).	Application displays form for pet details and the filled details are seen.
4	User saves the edits made to the profile.	The edits are successfully made and reflected in the new profile.	The new changes are seen in the profile once saved.

Events

View Events Listing

Test Case ID:	T0004		
Test Case Name:	View Events Listing		
Test Case Description:	The user will navigate to their events page and see the available events listings.		
Pre-Conditions:	User has a registered account and has logged in.		
Post-Conditions:	User account can view events listing		
Created By:	Najah	Last Updated By:	Najah
Date Created:	20/10/24	Last Updated:	20/10/24
Test Case No.	Description	Expected Outcome	Actual Output
1	User navigates to the events page using the navigation bar.	The application will show the events page.	Application navigates to the events page.
2	User can view the available events listing through a scroll bar.	The application lists the available events.	Application lists the available events.
3	Users are able to filter the events based on location, date and keywords.	The application will list the filtered events based on the input criteria.	Application displays the filtered events.

Post event listing

Test Case ID:	T0005
Test Case Name:	Post event listing
Test Case Description:	To view the list of events on the platform.
Pre-Conditions:	The user must be registered and logged in.

Post-Conditions:	The event post must be available to register interest.		
Created By:	Najah	Last Updated By:	Najah
Date Created:	20/10/2024	Last Updated:	20/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	User navigates to the events page using the navigation bar.	The application will show the events page.	Application navigates to the events page.
2	User clicks on the icon to add a new event.	Application displays a firm with the required details to create an event.	Application shows the necessary form.
3	User enters required details.	The form fields are editable and the changes are reflected.	Application displays the filled form
4	User saves form to submit event.	The created event is now viewed in the application.	Application displays the created listing.

Register and De-register interest for event

Test Case ID:	T0006		
Test Case Name:	Register and De-register interest for event		
Test Case Description:	To register for an event on the platform as well as remove interest.		
Pre-Conditions:	The user must be registered and logged in. The event post must be available to register interest.		
Post-Conditions:	The organizer must see the registered users.		
Created By:	Apurva	Last Updated By:	Apurva
Date Created:	20/10/2024	Last Updated:	20/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	The user is on the events page and can view the listing of events.	Application displays the available events.	Application shows the listing of events.

	2	User is able to click on the interested button to register interest.	The application has a display button and the change is reflected in the button once clicked.	Application displayed a modified interested button once the user clicks to register interest.
	3.	User clicks on the modified event listing button.	Application shows change in the button to indicate that the interest is deregistered.	Application shows the button return to original state.

Cancel Event Listing

Test Case ID:	T0007		
Test Case Name:	Cancel Event Listing		
Test Case Description:	User or Agency can cancel their sitting request.		
Pre-Conditions:	1. Actor must have an existing account with the system 2. Actor must have logged into the system. 3. Actor must have an active sitting post		
Post-Conditions:	1. The canceled post is updated to the database.		
Created By:	Najah	Last Updated By:	Najah
Date Created:	20/10/2024	Last Updated:	20/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	User navigates to the events page and clicks on My Events .	Application displays the events listings created by the user.	Application shows the events created by the User.
2	User clicks into any specific event.	Application displays the event details.	Application shows a card with event details.
3	User clicks on cancel request.	Application shows the updated status of the event listing.	Application shows that the

			listing is cancelled.

Adoption

Post adoption listings

Test Case ID:	T0008		
Test Case Name:	Post adoption listings		
Test Case Description:	Create posts for pets available to adopt		
Pre-Conditions:	1. Agency must have an existing account with the system 2. Agency must have logged into the system.		
Post-Conditions:	Information on the post must be added to the database		
Created By:	Apurva	Last Updated By:	Jing Jie
Date Created:	20/10/2024	Last Updated:	26/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	Agency clicks on Adoption tab on navigation bar	Adoption page	Adoption page
2	The agency enters the pet information including the pet picture.	The form is updated with the new information.	Updated form
3	The agency presses the create button.	Information from the form is sent to the backend, and an adoption listing is created.	Data is sent to the backend endpoint, and the operation is successful.

View adoption listings

Test Case ID:	
Test Case Name:	View adoption listings
Test Case Description:	To view all the posts indicating pets available for adoption

Pre-Conditions:	1. User must have an existing account with the system 2. User must have logged into the system.		
Post-Conditions:	-		
Created By:	Apurva	Last Updated By:	Apurva
Date Created:	20/10/2024	Last Updated:	20/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	User clicks on adoption in navigation bar	Adoption page is shown with listings	Adoption page with listings
2	Filter by animal species	Only animals of particular species listings are shown	Only animals of particular species listings are shown
3	Filter by name with search bar	Only listings with name match are shown	Matching listings

Register or de-register adoption interest

Test Case ID:	T0009		
Test Case Name:	Register or de-register adoption interest		
Test Case Description:	Indicate interest in adopting 1 or more pets		
Pre-Conditions:	1. User login 2. Navigate to Adoption page 3. Adoption listings shown		
Post-Conditions:	-		
Created By:	Apurva	Last Updated By:	Apurva
Date Created:	20/10/2024	Last Updated:	20/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	Click on interested button for listing	Button changes appearance: heart icon is coloured in	Button appearance changes
2	Click on interested button for a	Button changes appearance: heart icon is un-selected	Button appearance changes

listing where interest has been registered		

Pet Sitting

Search Sitting Request

Test Case ID:	T0016		
Test Case Name:	Search Sitting Request		
Test Case Description:	User can search sitting request using given filters.		
Pre-Conditions:	1. User login 1. Sitters page 2. Sitter tab		
Post-Conditions:			
Created By:	Nithya	Last Updated By:	Nithya
Date Created:	26/10/2024	Last Updated:	26/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	User navigates to "Sitters" page	The user should successfully navigate to the "Sitters" page, and the page should load with relevant sitters displayed, including their names and available services.	The user is able to click on the "Sitters" link, and the "Sitters" page loads correctly with a list of sitters and their details visible.
2	User selects Task Type from the drop down given	When the user selects a task type from the dropdown (e.g., "Dog Walking"), the selection should be reflected in the dropdown, and any relevant filters should update accordingly.	The task type selected is displayed in the dropdown, and the UI updates to reflect the selection, possibly filtering the list of available sitters or requests based on the chosen type.

	3	User selects the date range of the sitting request needed.	The user should be able to select a start and end date for the sitting request, and the selected dates should be displayed in the input fields, confirming the user's selection.	The user selects the desired dates, and the input fields for the date range update to show the selected start and end dates, indicating successful input.
	4	User is provided with a filtered list of the sitting request matching the conditions given in the search	After the user selects the task type and date range, a filtered list of sitting requests that match the criteria should be displayed on the page. The list should only include requests that fit the selected parameters.	The list of sitting requests is filtered based on the user's selections, displaying only those requests that match the selected task type and date range, confirming that the filtering functionality works correctly.

View all requests

Test Case ID:	T0010		
Test Case Name:	View all requests		
Test Case Description:	View all sitting requests		
Pre-Conditions:	1. User must have an existing account with the system 2. User must have logged into the system		
Post-Conditions:	User sees all requests.		
Created By:	Najah	Last Updated By:	Sam
Date Created:	20/10/2024	Last Updated:	25/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	User navigates to	Application displays the available sittings.	Applications shows sitting page.

		the Sitting page.		
	2	User filters the requests based on sitting type and date.	Application displays a filtered list of events	Application shows the filtered events.
	3	User can view a map with marked requests' locations.	Application displays an interactable map with nearest requests demarcated.	Application asks to access user's current location. Upon enabling location services, the application shows the map with listing markers. If location services are denied, default location shows NTU campus.
	4	User hovers over a Sitting Request	Application displays accented Sitting Request card, and the corresponding marker on the interactable map is also accented.	Application displays accented Sitting Request card, and the corresponding marker on the interactable map is also accented.

Post sitting request

Test Case ID:	T0011		
Test Case Name:	Post sitting request		
Test Case Description:	To post a request for a sitter on the forum		
Pre-Conditions:	3. User login		
Post-Conditions:			
Created By:	Apurva	Last Updated By:	Apurva
Date Created:	20/10/2024	Last Updated:	20/10/2024

Test Case No.		Description	Expected Outcome	Actual Output
	1	User clicks on the "Owners" tab	Pet sitting page shown with owners selected on top right hand side	Pet sitting page shown with owners selected on top right hand side
	2	Click on "New Sitting Request Button"	Pop-up form	Pop-up form
	3	Fill in form fields: select pets, start and end date, pay, sitting type, location, description	Form allows input fields to be filled or selected	Form allows input fields to be filled or selected
	4	User clicks create button	"Successfully Submitted" pop-up message	"Successfully Submitted" pop-up message

View sitting request details after creation

Test Case ID:	T0012		
Test Case Name:	View sitting request details after creation		
Test Case Description:	Pet owners see the details of sitting requests created		
Pre-Conditions:	2. User login 4. Sitters page 5. Owners tab		
Post-Conditions:			
Created By:	Apurva	Last Updated By:	Apurva
Date Created:	20/10/2024	Last Updated:	20/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	Select sitting request	Details of selected sitting request including start and end date, pay, descriptions, information of the pets, and	Sitting request details shown on left hand side and interested user profiles shown on

		interested users are shown	right hand side, if any

Register -Deregister interest as sitter

Test Case ID:	T0013		
Test Case Name:	Register -Deregister interest as sitter		
Test Case Description:	Register interest as sitter as well as de-register interest.		
Pre-Conditions:	1. User must have an account 2. User must be logged in. 3. User must have contact information on profile.		
Post-Conditions:			
Created By:	Najah	Last Updated By:	Sam
Date Created:	20/10/2024	Last Updated:	25/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	User clicks on Sitting Page.	Application navigates to the sitting page.	The application displays the sitting page.
2	User views all existing sitting requests.	User can scroll through available sitting requests.	List of sitting requests is displayed.
3	User filters the requests based on sitting type and date	Application displays a filtered list of events	Application shows the filtered events.
4	User clicks on a single request button to register interest	Application shows a modified button to show registered interest.	Application displayed a coloured heart to indicate registered interest.
5	User clicks the button again to de-register interest.	The application shows the button in original state.	Application displays button in original state.

Interests

View my registered sitting interests

Test Case ID:	T0014		
Test Case Name:	View my registered sitting interests		
Test Case Description:	User can view the posts they registered interest for.		
Pre-Conditions:	1. User must have an account 2. User must be logged in.		
Post-Conditions:			
Created By:	Apurva	Last Updated By:	Apurva
Date Created:	20/10/2024	Last Updated:	20/10/2024
Test Case No.	Description	Expected Outcome	Actual Output
1	User navigates to the profile page and clicks on interests page.	Interests Page is displayed.	Application shows the relevant interests page.
2	User clicks on the sitting tab and my interests.	The dashboard for sitting is displayed with all posts with registered interest.	Application shows the dashboard for sitting.
3	User clicks into any post to view details.	Application displays the post details.	Application shows the sitting details.
4	User can deregister interest.	Application shows change in button.	Application shows button in changes state.

View my registered adoption interests

Test Case ID:	T0015
Test Case Name:	View my registered adoption interests

Test Case Description:	User can view the adoption listings they registered interest for.			
Pre-Conditions:	1. User must have an account 2. User must be logged in.			
Post-Conditions:				
Created By:	Apurva	Last Updated By:	Apurva	
Date Created:	20/10/2024	Last Updated:	20/10/2024	
Test Case No.		Description	Expected Outcome	Actual Output
	1	User navigates to the profile page and clicks on interests page.	Interests Page is displayed.	Application shows the relevant interests page.
	2	User clicks on the adoption tab and my interests.	The dashboard for sitting is displayed with all posts with registered interest.	Application shows the dashboard for adoption.
	3	User clicks into any post to view details.	Application displays the post details.	Application shows the adoption details.
	4	User can deregister interest.	Application shows change in button.	Application shows button in changes state.

View my registered events interests

Test Case ID:	T0016		
Test Case Name:	View my registered events interests		
Test Case Description:	User can view the events they registered interest for.		
Pre-Conditions:	1. User must have an account 2. User must be logged in.		
Post-Conditions:			
Created By:	Apurva	Last Updated By:	Apurva

Date Created:	20/10/2024	Last Updated:	20/10/2024	
Test Case No.		Description	Expected Outcome	Actual Output
1		User navigates to the profile page and clicks on interests page.	Interests Page is displayed.	Application shows the relevant interests page.
2		User clicks on the events tab and "View my interests" button.	The dashboard for sitting is displayed with all posts with registered interest.	Application shows the dashboard for events.
3		User clicks into any post to view details.	Application displays the post details.	Application shows the event details.
4		User can deregister interest.	Application shows change in button.	Application shows button in changed state.

Requirements Test Coverage Report

Requirement	Total Requirements:	Covered:	Not Covered:
User Authentication	1	1	0
Profile	2	2	0
Adoption	3	3	0
Events	4	4	0
Sitting	5	5	0
Interests	3	3	0
Total	18	18	0