SMART PET FEEDER

ANDROID APP

USER MANUAL

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1. Log in Screen

When the installation of the app is completed, and the user start the app for the first time, the **Log in screen** will appear, Fig.1.

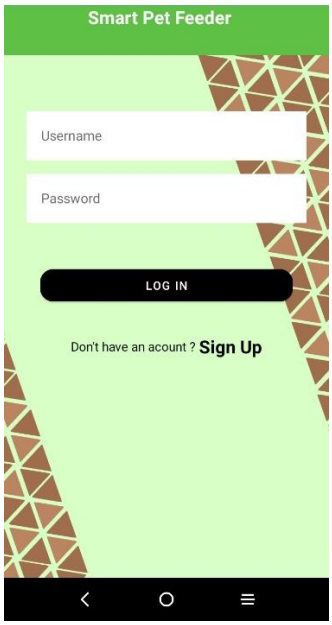


Figure 1 Log in Screen

If the user already has an account, he can fill the form with his **username** and his **password** and press the button **LOG IN**. In case the user still doesn't have an **account** yet, he can press on **Sign Up** to redirect to the **Registration Screen**, Fig.4, where he can create his own account.

To log in in the app the user must fill all the input spaces and guarantee that the information match with his profile, Fig.2, only then if the log in is made successfully it will appear a small text on the bottom of the screen, Fig.3, then the **Devices Screen** will appear on the device, Fig.8.

If the information inserted is correct ant nothing happen then try to reset the app and check if the **WI-FI connection** is turned **On** and check if it is the same as the **HUB**.

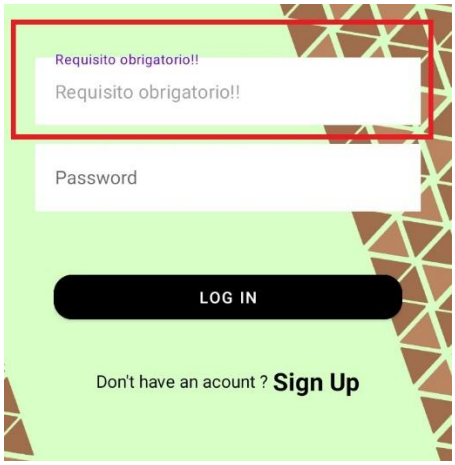


Figure 2 Log in validation

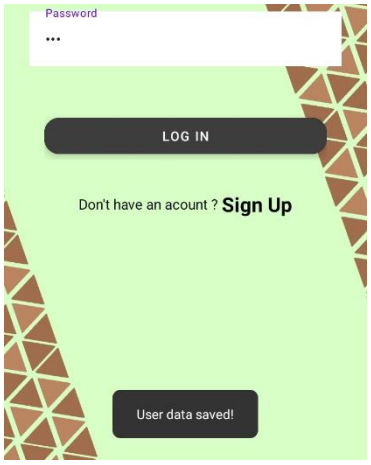


Figure 3 Log in Successful

2. Registration Screen

By pressing **Sign Up** on the **Log in Screen**, Fig.1, the **Registration Screen** will appear, Fig.4.

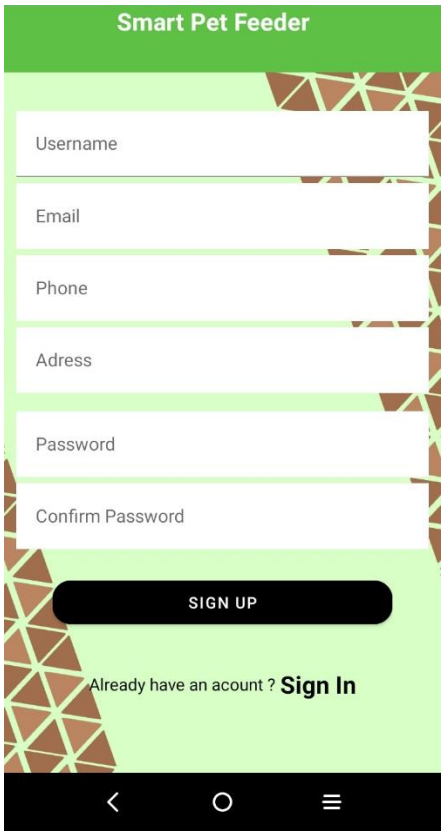


Figure 4 Registration Screen

In the **Registration Screen** the user can create an account by filling the form. In case one of them isn't filled or correctly filled and the user press the **SIGN UP** button, it will appear the space in cause with a red colour, Fig.5. If the passwords spaces don't match then a message in the bottom of the screen, Fig.6, will appear which means that the form with username, email, phone number and address are valid and only the passwords need to be verified.

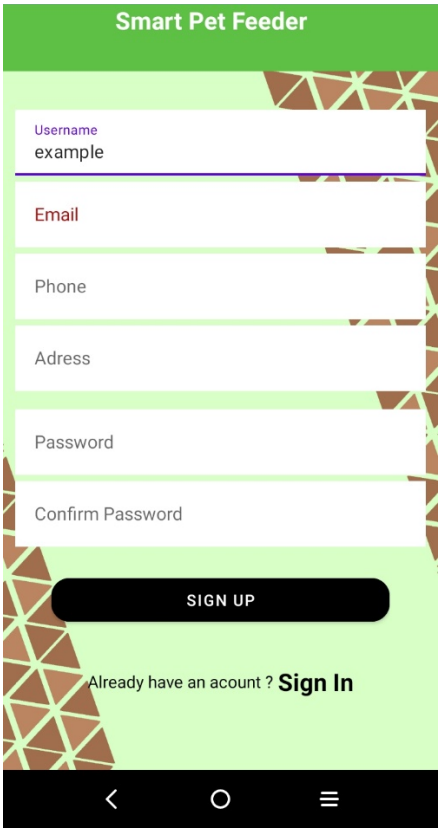


Figure 6 Registration form validation

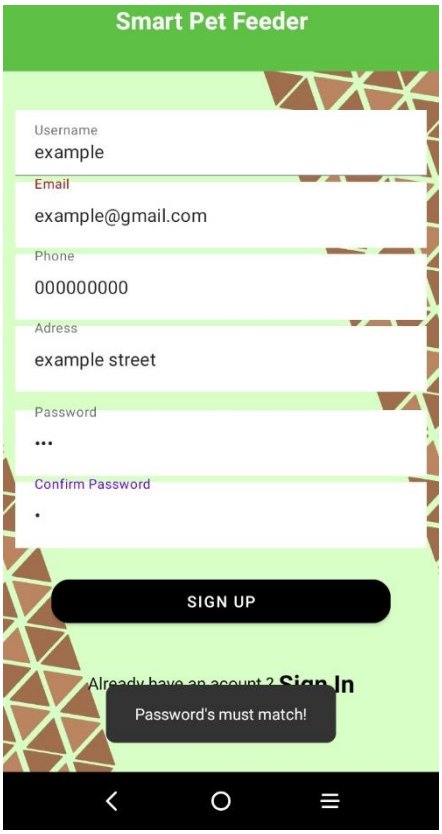


Figure 5 Registration password validation

If the form and passwords are correctly filled and the user press the **SIGN UP** button than a message on the bottom of the screen, Fig.7, will appear and the **Log in Screen**.

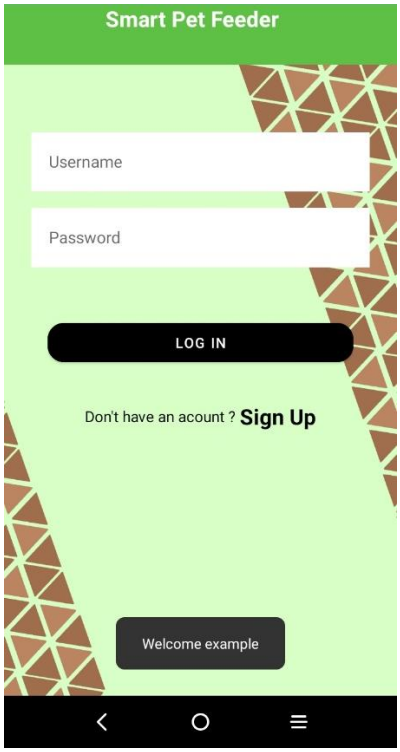


Figure 7 Registration successful

3. Devices Screen

After the user logged in, the **Devices Screen** will appear, Fig.8. On this screen the user can see all the feeder devices paired with his account.

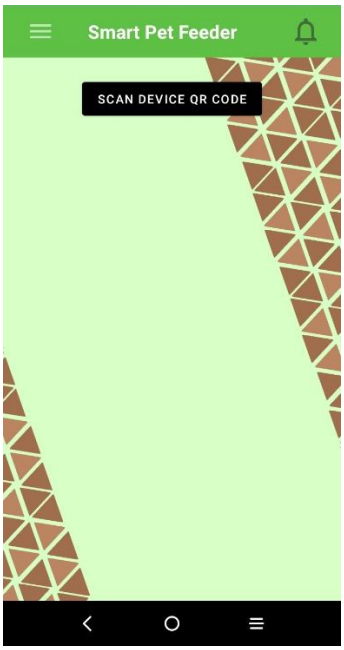


Figure 8 Devices screen

3.1 Pair to a feeder device

To pair a feeder device to the account, the user must press the **SCAN DEVICE QR CODE** button and allow the app to have access to the camera. To finish the pairing process the user must scan the **QR code** exposed on the feeder device, then a popup on the app will appear asking showing the feeder device info, Fig.9, after that press **OK** and the new feeder device will appear on the **Devices Screen**, Fig.10.

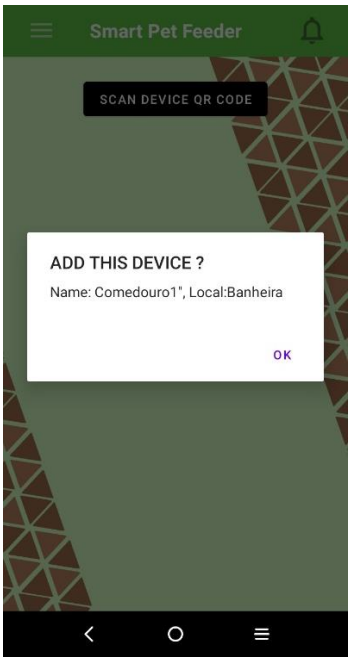


Figure 9 Confirm pair feeder device

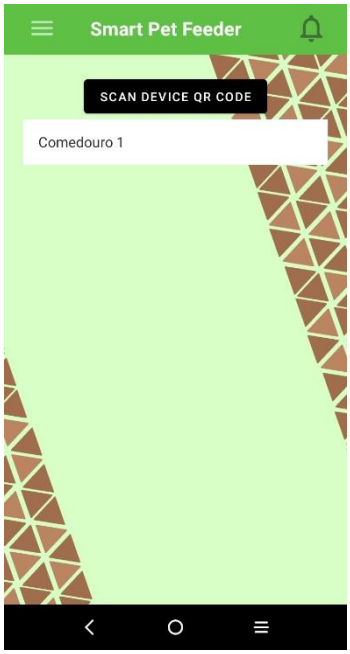


Figure 10 Device Screen after adding device

3.2 Check current data from a feeder device

Once the user pairs at least one feeder device to their account, the user can press it to change the **Devices Screen** to show the name of the feeder device, the current level of the food deposit, food bowl and water bowl, Fig.11.

Figure 11 Feeder device selected

4. Side bar menu

The **Side bar menu** is a navigation menu, Fig.12, where the user can select the screen that he pretends to use and log out his session. The **Side bar menu** can be accessed from every screen if the user is logged, which means, every screen except the **Log in Screen** and the **Registration Screen**.

On the **Side bar menu**, it's also possible to see the **username** of the user on the top left of the screen.

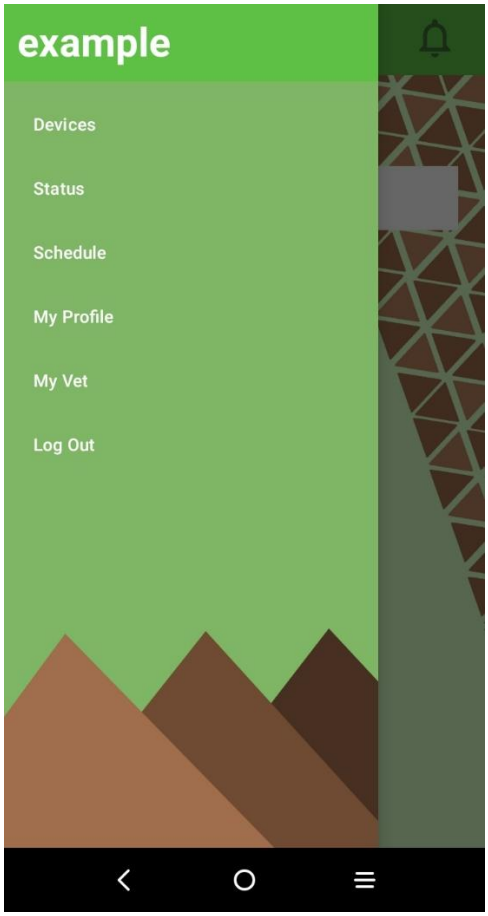


Figure 12 Side bar menu

4.1 Log out actions

Pressing on **Log Out** option, the account logged in will be disconnected on the app and the user will be transferred to the **Log In Screen**.

Closing the app on the user's phone will cause the same effect of the **Log Out** option.

5. Status Screen

On the **Status Screen**, Fig.13, which can be accessed by **Side bar menu**, it's possible to select which feeder device the user wants to check their status.

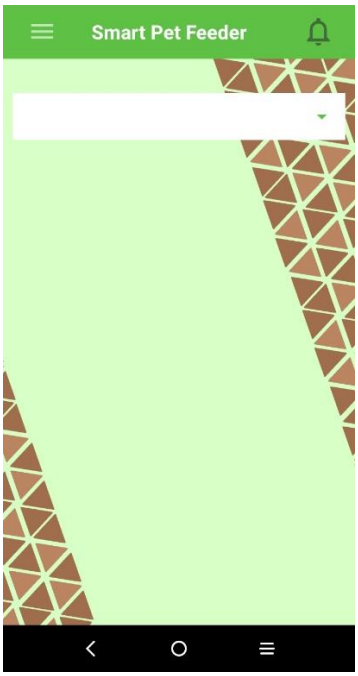


Figure 13 Status Screen

The selection is made by the select box on the **Status Screen**. Once the user select the device a message with the feeder device name, will appear on the bottom of the screen. The screen will automatically change, showing the number of times the animal ate, drank and the number of times the food bowl has refill, Fig.14.

Figure 14 Status selected feeder device

6. Schedule Screen

In the **Schedule Screen**, Fig.15, the user can see all the meals that are currently schedule for their pet, showing the exact time (hh:mm) of the meal with the number of meals int that same meal.

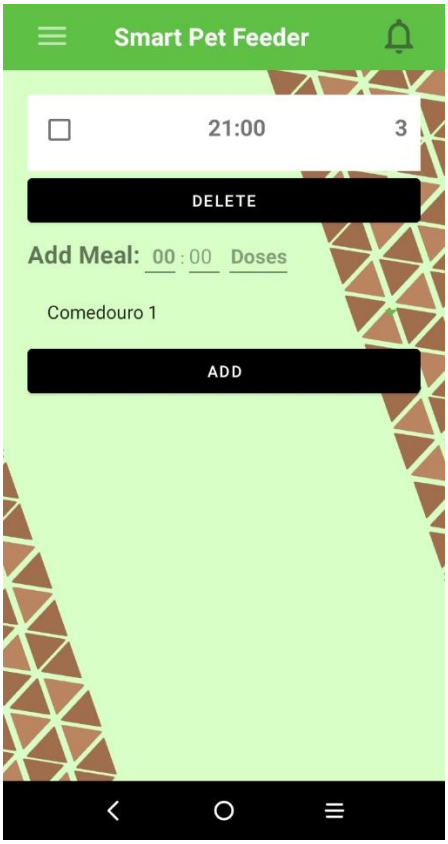


Figure 15 Schedule Screen

6.1 Delete a schedule meal

The user can **delete** a schedule meal by **marking** the exact meal and press the **DELETE** button, Fig.16.

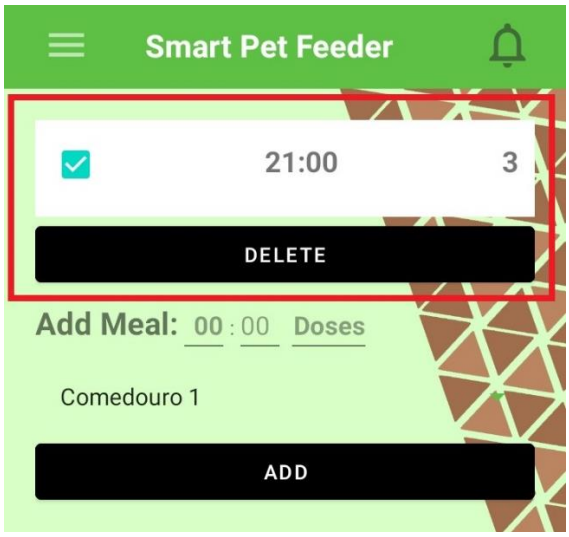


Figure 16 Schedule delete meal

6.3 Add a schedule meal

To add a schedule meal the user must fill the form with the number of the hour, minute, number of doses and select the feeder device to execute the meal and press the **ADD** button, Fig.17.

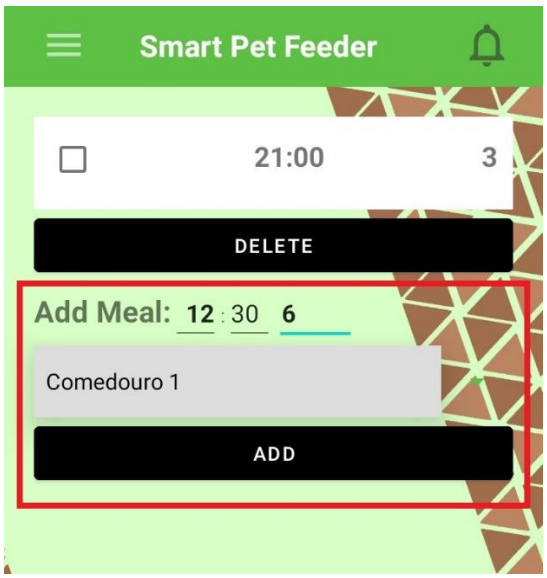


Figure 17 Add schedule meal form

Once the user presses the **ADD** button with the form filled the meal will **automatically appear** on the **Schedule Screen** and a message will appear on the bottom of the screen, Fig.18.

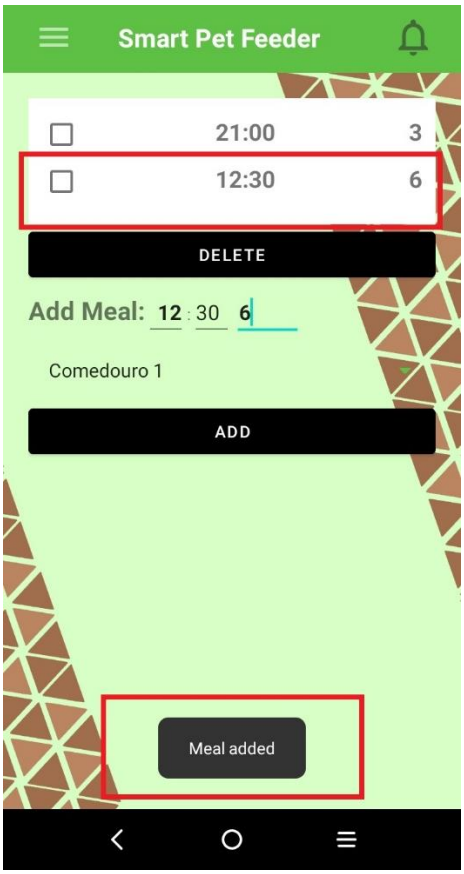


Figure 18 Added schedule meal

7. My Profile Screen

On the **My Profile Screen**, Fig.19, the user can check his profile data, which are their name, email and phone number.

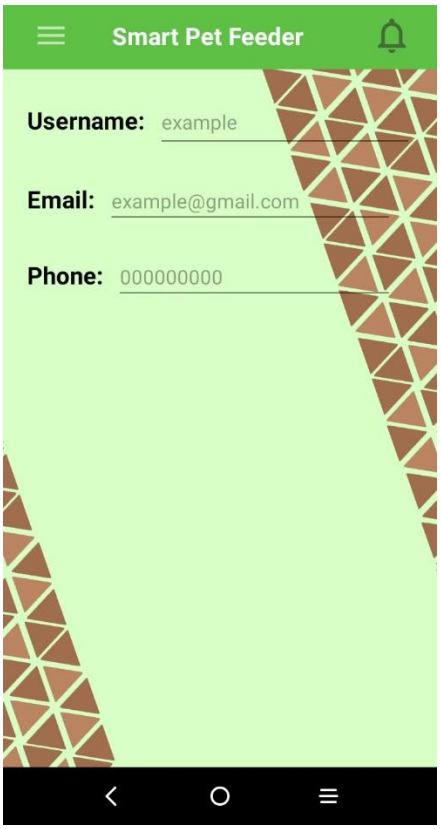


Figure 19 My Profile Screen

7.1 Update user information

The user can update their information by pressing in the space/spaces and write the new information over the old one.

Writing in any space will automatically turn the **UPDATE** button visible to the user, Fig.20. When pressed all the information written will change for the old one. If the operation is successfully executed a message on the bottom of the screen will appear, Fig.21.

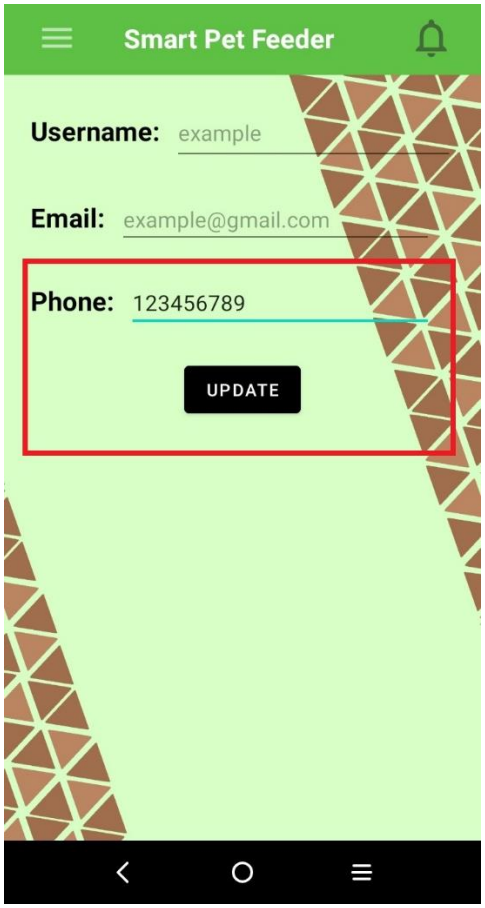


Figure 21 Update user form

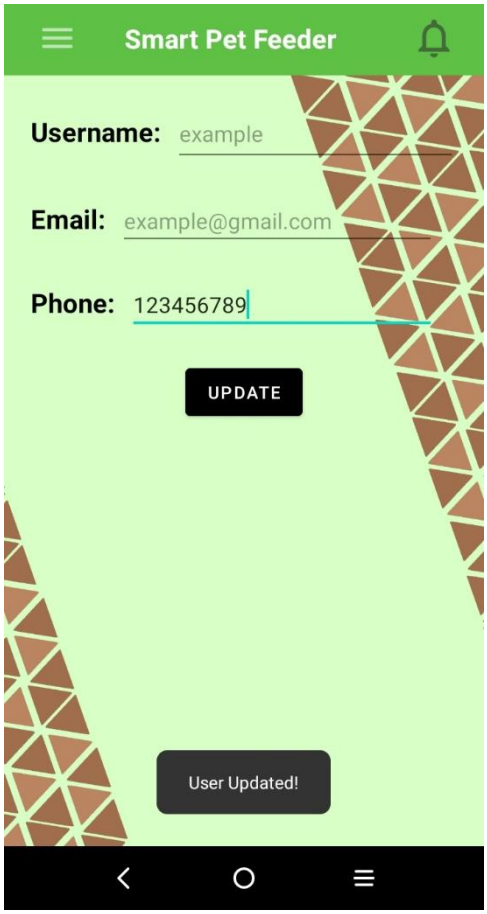


Figure 20 My Vet association made

8. My Vet Screen

In the **My Profile Screen**, Fig.22, the user has access to the information of the pets that are associated with the feeder devices available to the user. To show the information the user must select the **pet's name** on the **select box**.

Figure 22 My Vet Screen

8.1 Associate a pet to a device

The user can **create and associate** a pet to a **feeder device**, which **is available** to the user and **isn't associate to a pet** already. To apply this method the user must fill the form above the **CREATE** button and then press it, Fig.23. If the procedure is successfully made then the user can already check the pet information by selecting the pet in the select box at the top of the screen, Fig.23.

Figure 23 My Vet association form

Figure 24 My Vet association made

9. Notifications

The **Notifications** only can be access by the user when a notification is sent by the **HUB**. The user will be notified, int the app, by the **notification icon** on the top right of the screen, near of "Smart Pet Feeder", Fig.25.

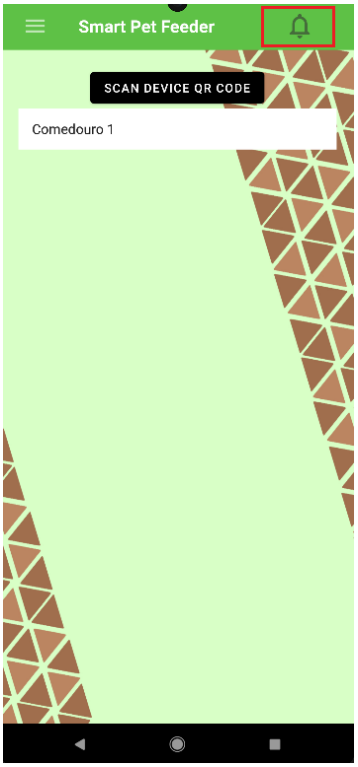


Figure 25 Notification icon

If the user has received a notification by the **HUB** the **notification icon** will change, Fig. 26 and Fig.27, and the **notification icon** will be show to the user in case the user **presses** the **notification icon**.

Figure 27 No notifications received

Figure 26 At least 1 notification received

When the user presses the notification icon a pop-up will appear with the description of the notification, the level of priority and the feeder device. Then the user has 2 options, press CANCEL to close the pop-up and to maintain the notification or press CONFIRM to close the pop-up and delete the notification, Fig.28. Tapping outside of the pop-up will do the same action of pressing CANCEL.

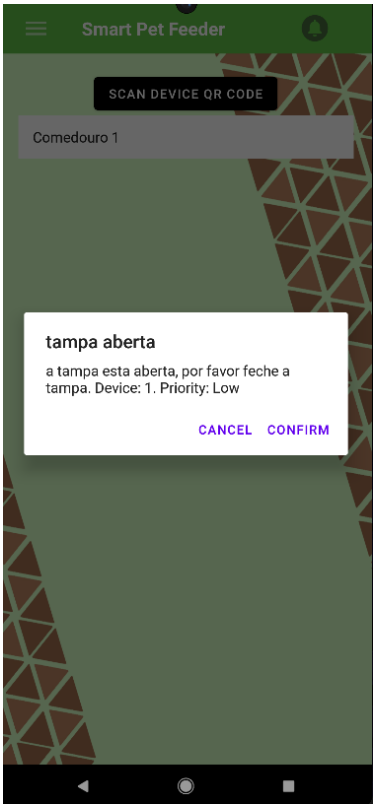


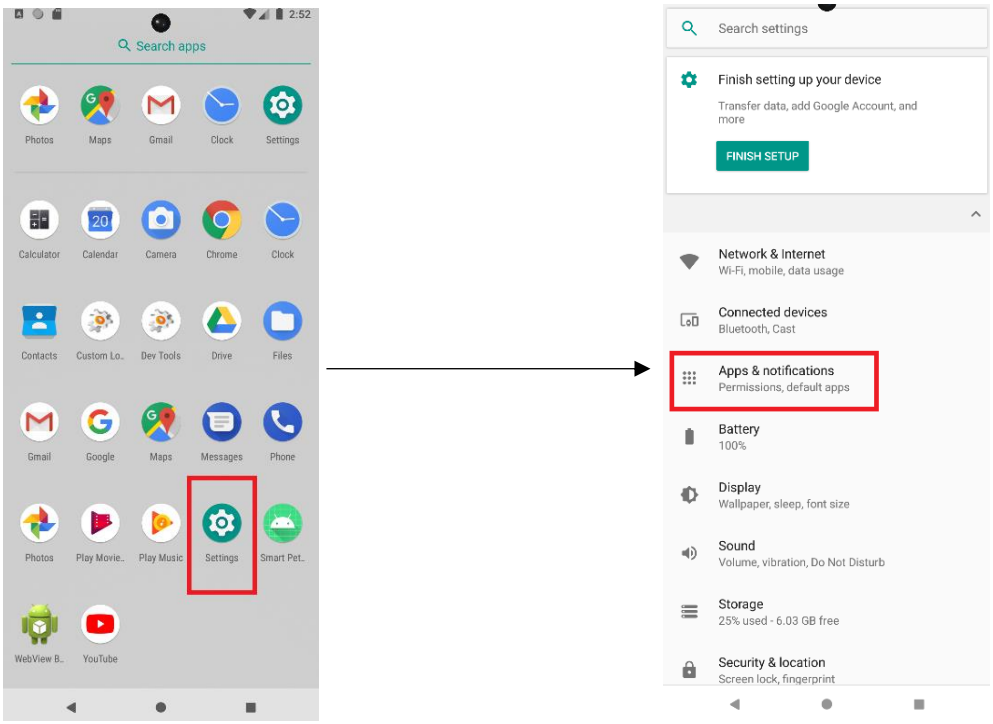
Figure 28 Notification open

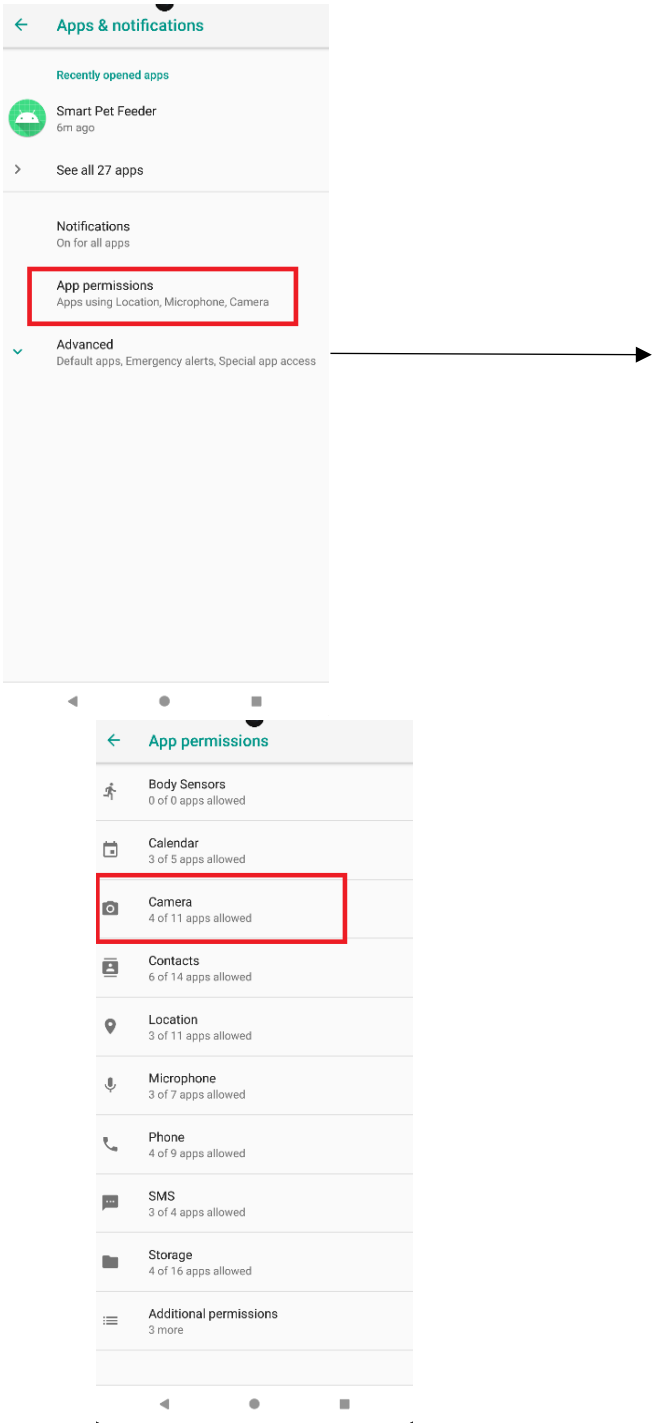
10. Errors

- In case the **Login Screen** form is correctly fill and the login doesn't happen, first **verify if the connection** of the device is the **same** of the **Central HUB**. If the login **still doesn't work**, then restart the app. If the login still doesn't happen, then uninstall and install again the app or report the event to a technical.

- If the app doesn't show any data in any screen, first **verify if the connection** of the device is the **same** of the **Central HUB**. If it is and still no data appear, logout the session and login again.

- If the **Scan Device QR Code** button is pressed and the phone's camera doesn't pop-up, go to **Settings** -> **Apps & Notifications** -> **App permissions** -> **Camera** and the make sure the toggle button at Smart Pet Feeder is on, Fig.29.




Apps & notifications
Recently opened apps
Smart Pet Feeder
6m ago
See all 27 apps
Notifications
On for all apps
App permissions
Apps using Location, Microphone, Camera
Advanced
Default apps, Emergency alerts, Special app access
App permissions
Body Sensors
0 of 0 apps allowed
Calendar
3 of 5 apps allowed
Camera
4 of 11 apps allowed
Contacts
6 of 14 apps allowed
Location
3 of 11 apps allowed
Microphone
3 of 7 apps allowed
Phone
4 of 9 apps allowed
SMS
3 of 4 apps allowed
Storage
4 of 16 apps allowed
Additional permissions
3 more

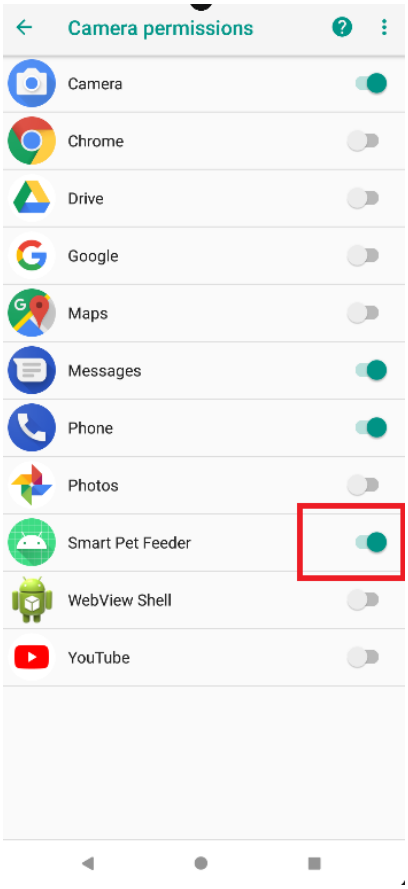
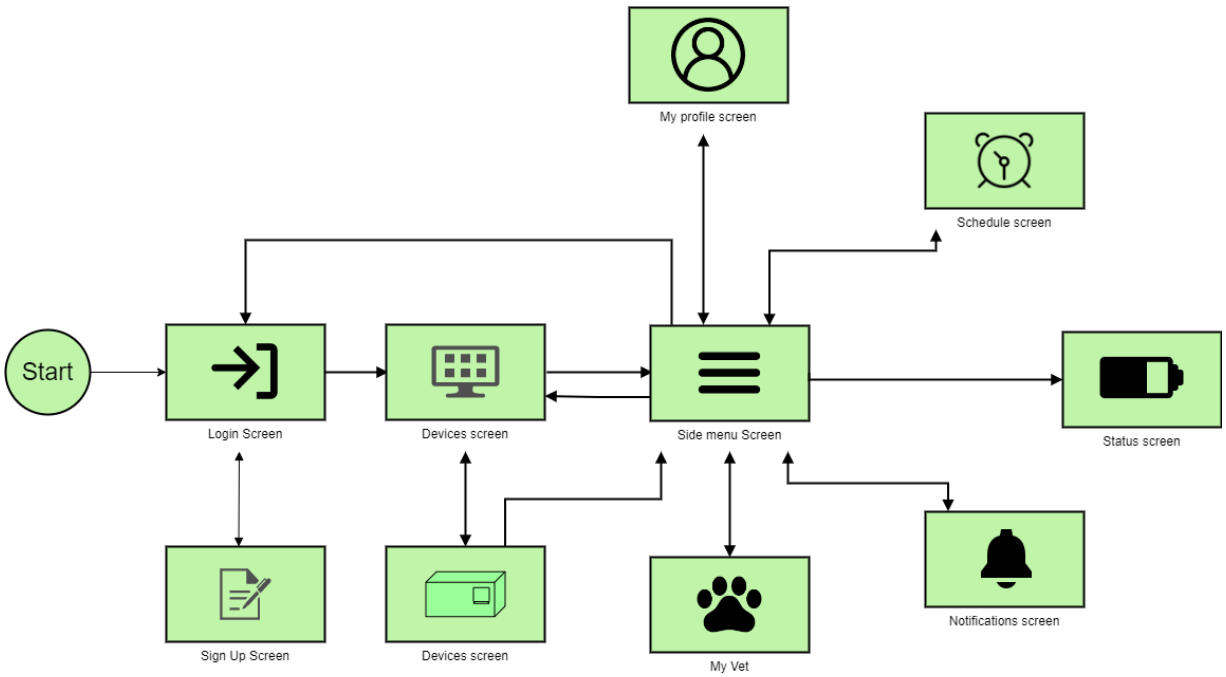


Figure 29 Smart Pet Feeder App, Camera Access

11. Attachments

11.1 App flow