User Guide

This chapter serves as a comprehensive guide for both standard users and administrators.
It provides instructions on how to navigate and use the application's functionalities and features, previously described.
The guide is designed in two sections: the first part is for standard users, while the second is for the administrators. As so, throughout both parts, will demonstrate step-by-step explanations of the application.

Standard User Guide

Menu Bar

The menu bar allows the user to navigate through the different screens of the application. It includes the following icons:
- **Home icon:** redirects the user to the home page;
- **Person icon:** takes the user to the login page;
- **Question mark icon:** guides the user to the how to act page;

Figure 12. Standard user menu bar

Home Page

The home page displays a map with the locations of available AEDs.
Initially the map will zoom in on users' current location, but they can further navigate the map by dragging it to explore different regions, until they reach the desired area.
In this example, the AEDs are located in various regions within Italy, as depicted in Figures 13 & 14.
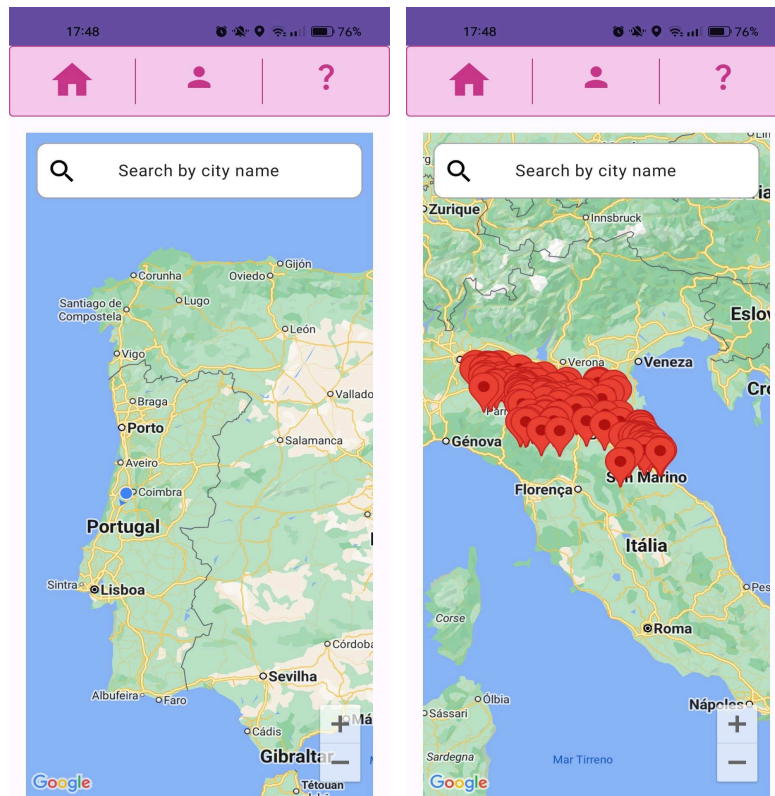
Figures 13 & 14. Home page in and out of current location
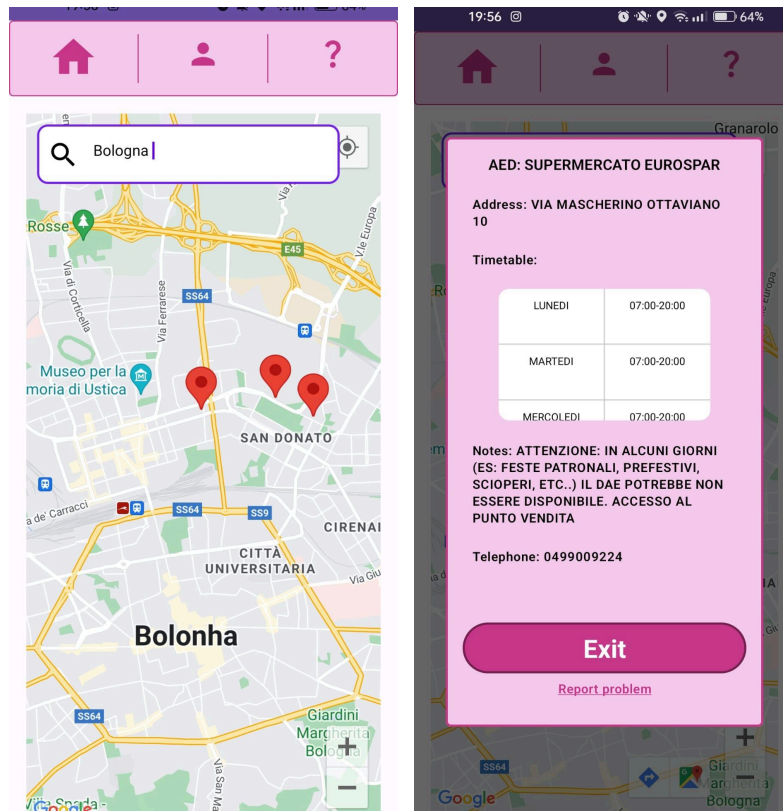
Figures 15 & 16 show:

The **"Search by city name"** allows users to input a name of a city. After clicking the search icon, the map will zoom in on the specified area, making it easier to locate AEDs in the desired zone.

Each **map marker** represents the location of each AED, so when **clicking on it**, information about the corresponding AED will be displayed, including:

- name of the building where the AED is located;
- the address of the building;
- a **scrollable** timetable indicating the AED's availability;
- additional information related to the AED;
- contact telephone numbers.

In addition to the AED information, an "Exit" button and a clickable text ("Report problem") are visible.

- **Clicking on the button**, will redirect users back to the Home page.
- **Clicking on the "Report problem"** will take them to the Report Problem page.

Figures 15 & 16. Show AED information

Report Problem Page

This page, pictured in <u>Figure 17</u>, concerns report issues related to a specific AED (the one previously clicked on the map). It is displayed then:

- two **checkboxes for selecting** possible problems;
- an **"Other" option** that allows the users to describe a different issue;
- a **"Submit" button** to send the report about he AED;
- a **"Cancel" clickable text** to cancel the action and go back to the Home page.

Figure 17. Report problem with AED

Login Page

As mentioned earlier, clicking on the person icon, in the menu bar, redirects users to the login page. This page is designed specifically for administrators users to access their admin accounts.

As so, it features:

- two **input fields for the admins to enter their credentials** (username and password);
- a **"Login" button to submit** the credentials;
- an error message that appears if incorrect credentials are entered, ensuring only authorised admins can log in;
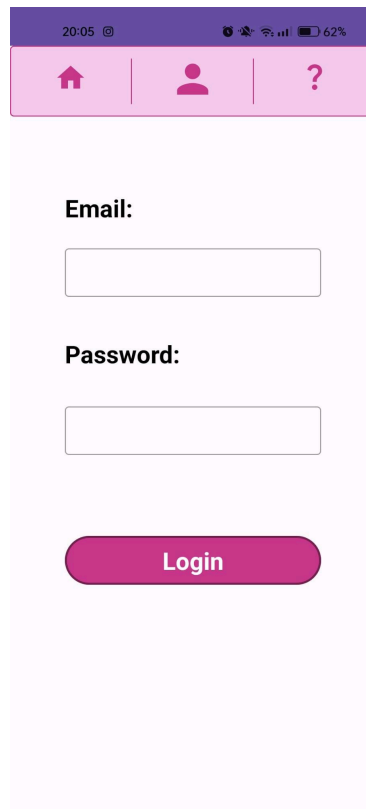- a success message, if the login is authorised.

Figure 18 shows this login page.
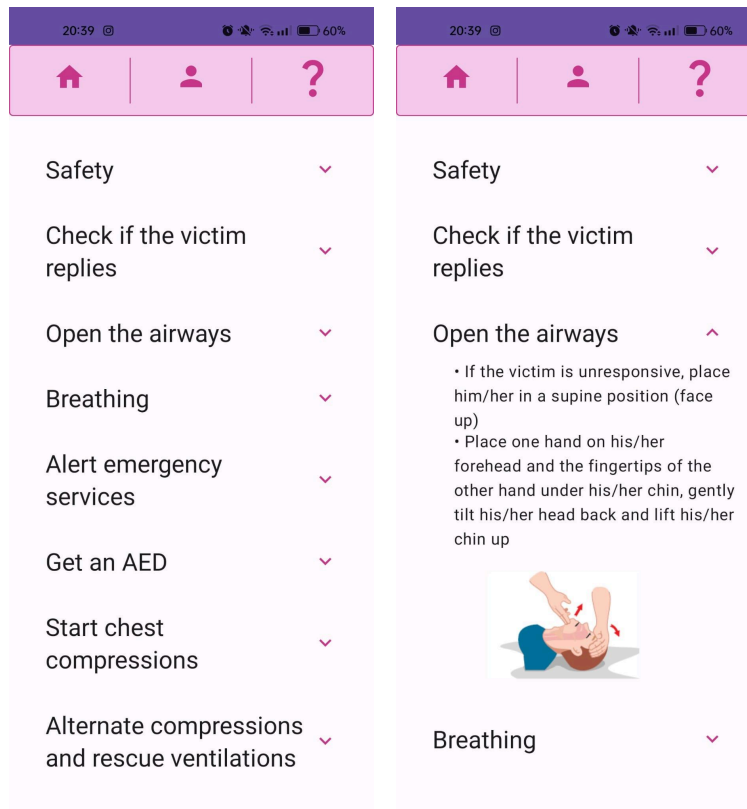
Figure 18. Login page

How To Act Page

This **scrollable** page displays instructions on how to respond in emergency cases, both with and without an AED.

Each **step is clickable**, allowing users to access more detailed information for each action.

All of the information (text and images) presented is based on guidelines from trusted sources, found on the 118er website.

This page is presented in .

Left screen:

20:39

Safety ⌄

Check if the victim replies ⌄

Open the airways ⌄

Breathing ⌄

Alert emergency services ⌄

Get an AED ⌄

Start chest compressions ⌄

Alternate compressions and rescue ventilations ⌄

Right screen:

20:39

Safety ⌄

Check if the victim replies ⌄

Open the airways ⌃

• If the victim is unresponsive, place him/her in a supine position (face up)
• Place one hand on his/her forehead and the fingertips of the other hand under his/her chin, gently tilt his/her head back and lift his/her chin up

Breathing ⌄

Figures 19 & 20. How to act in case of emergency

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Administrator User

Menu Bar

The menu bar allows the admin to navigate through the different screens of the application. It includes the following icons:
- **Home icon:** redirects the user to the "Manage AEDs" page;
- **Report icon:** takes the user to the "Manage Reports" page;
- **More options icon:** shows the user more functionalities.

Figure 21. Administrator menu bar

Manage AEDs Page

This page is for administrators to view the existing AEDs and manage them, if necessary.
It offers the following functionalities:
- a **"+" button**: redirects the users to the "AddEdit AED" page, in add mode;
- an **input field:** allows users to **search an AED by its ID, city or address**;
- a **scrollable list:** displays every existing AED, and shows a specific AED if users search it like mentioned above;

The scrollable list shows address and notes of the AEDs, and actions that can be performed for each AED.
The actions are:
- **pencil icon:** redirects admins to "AddEdit AED" page, in edit mode;
- **delete icon:** shows a confirmation dialog before deleting the AED;
- **"More info" clickable text:** provides detailed information about the AED.

In it is possible to see the Manage AED and related information screens.
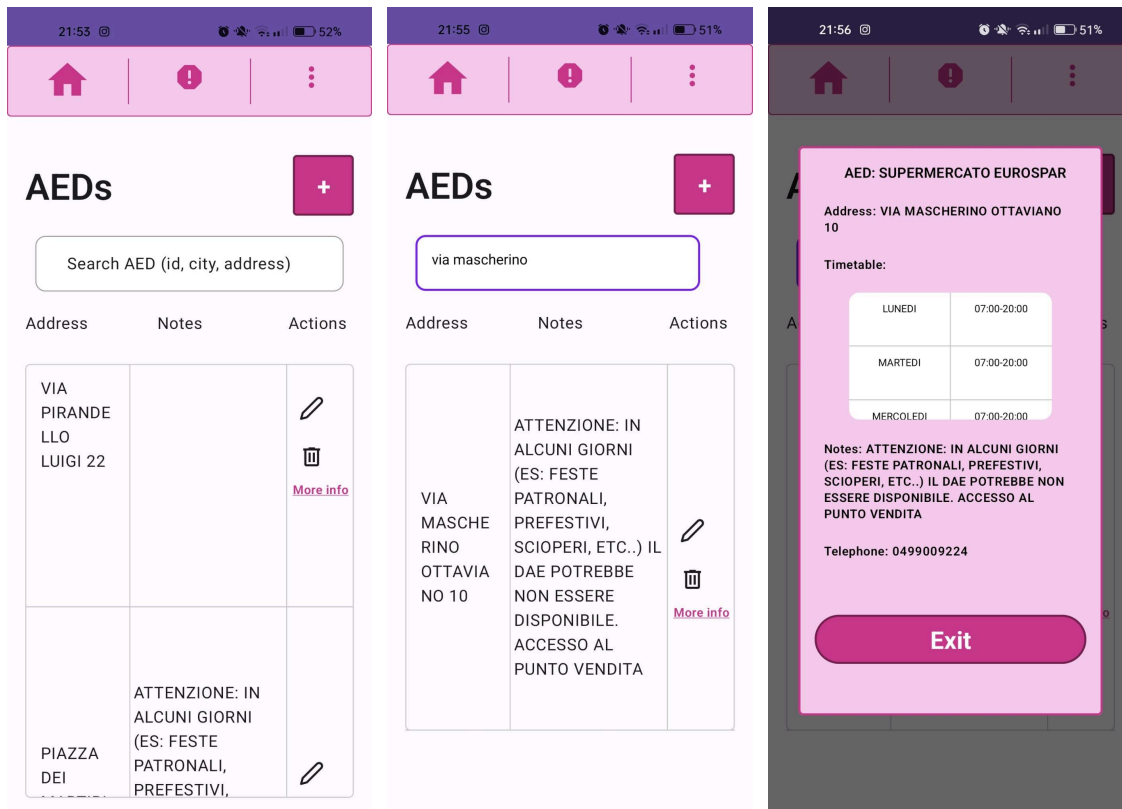
Figures 22, 23 & 24. Manage and info AED screens

AddEdit AED Page - Add Mode

As previously said, clicking on the "+" button on "Manage AEDs", redirects admins to this page. It displays a form for admins to fill out, to create a new AED. The form includes the following elements:

- **a clickable save icon:** save all the information entered in the form and redirects the user back to the "Manage AEDs";
- **labels:** indicate what should be written in the corresponding input fields;
- **a clickable info icon:** displays additional details to guide users on what specific information to input;
- **input fields:** to fill with the related information

In Figures 25, 26 & 27 is an example of how to create an AED:
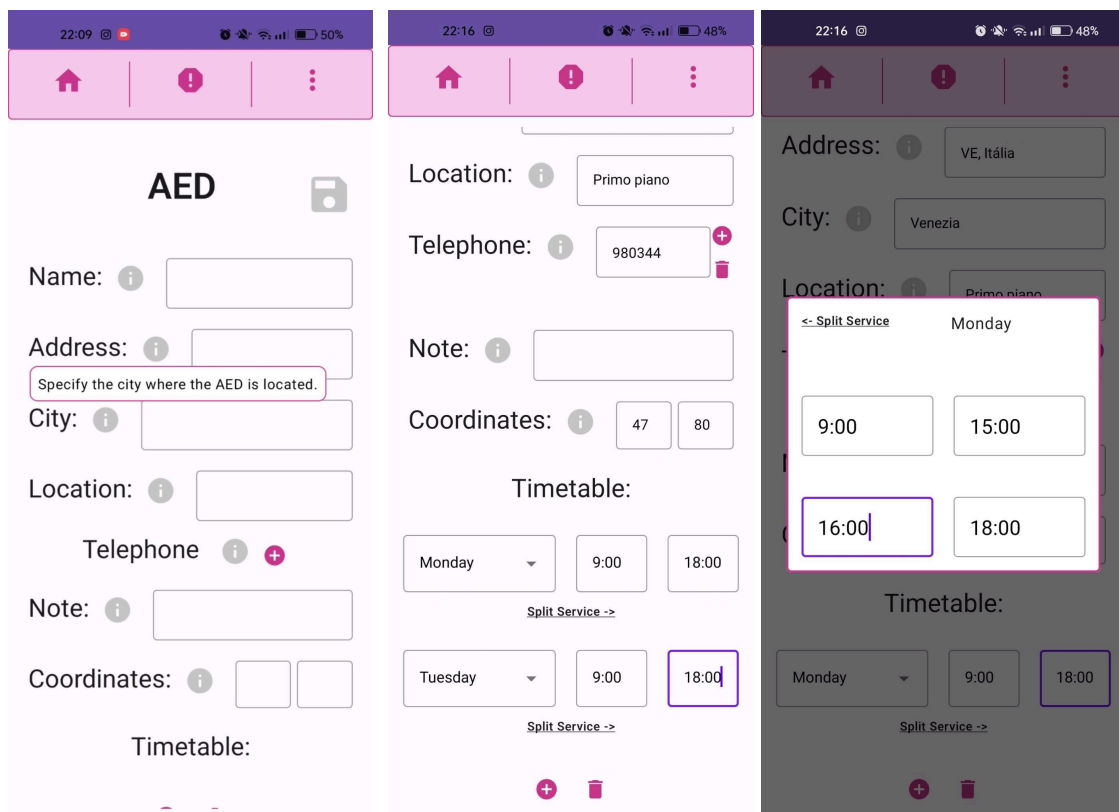
*Figures 25, 26 & 27. Add new AED information*
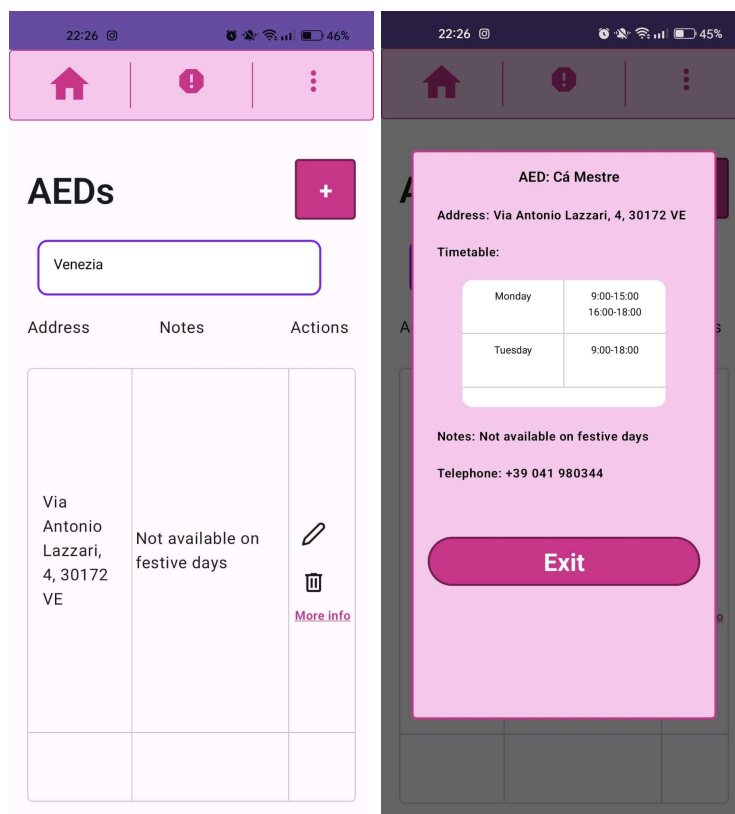
Figures 28 & 29. Manage AED that was just inserted

After clicking on save icon, the admin is redirected to the previous page as seen in Figures 28 & 29. The new AED will now be displayed alongside with the previously displayed existing AEDs.

AddEdit Page - Edit Mode

After clicking on the edit action, on the "Manage AEDs" page, the admin is redirected to this page. Here, the input fields are pre-filled with the information of the selected AED. The admin can modify any of the details, and then click the save icon to update the AED. Upon saving, the information will be reflected in the AED list on the "Manage AEDs" page, where the user will be redirected back.
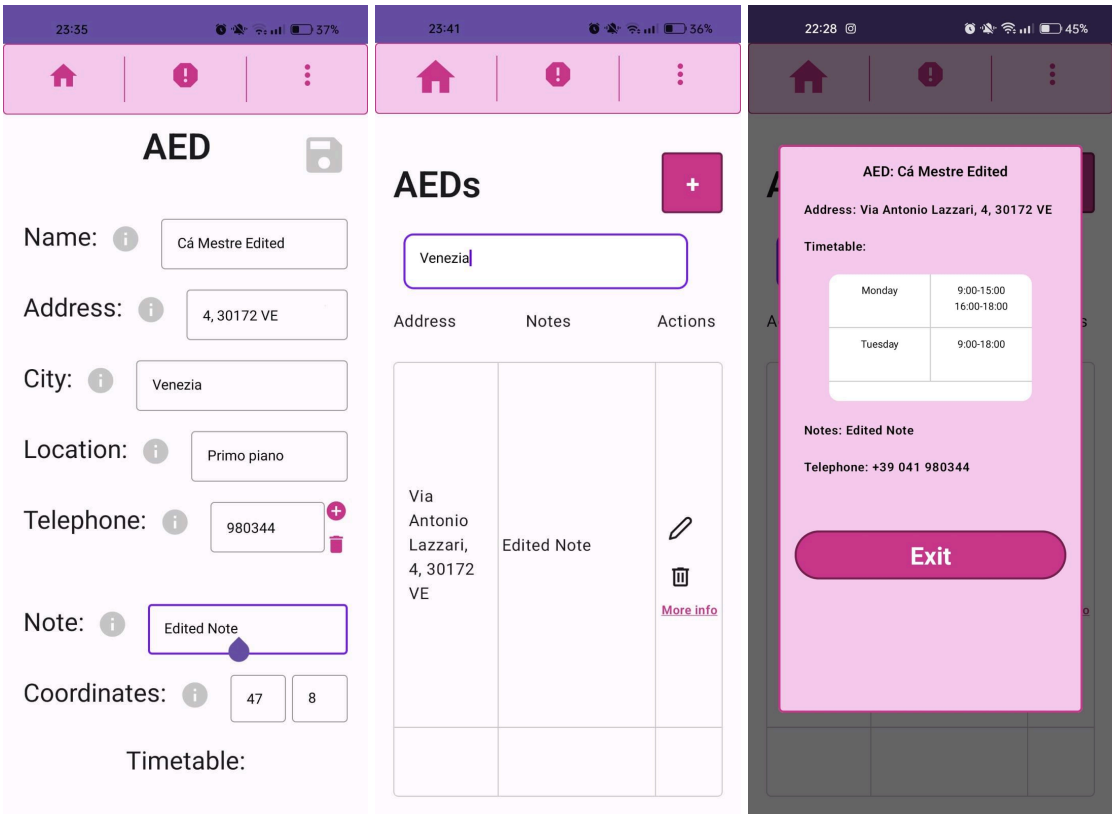

Figures 30, 31 & 32. Edit AED

Delete AED

When clicking on the delete action, a confirmation dialog will appear, allowing the admin either confirm the deletion of the selected AED or cancel the action. Both selections will redirect the user to the "Manage AEDs" page, with the AED either removed from the list or displayed if the action is cancelled.

In the example in Figures 33 & 34, the AED will be deleted.
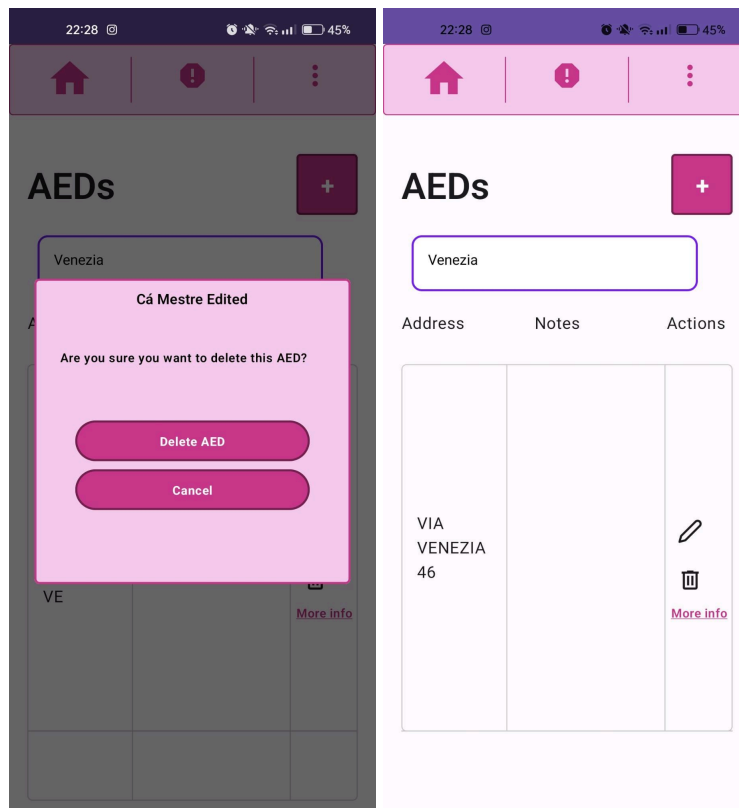
Figures 33 & 34. Remove AED

Manage Reports Page

This page lists all the AEDs that were reported by the standard users
It offers the following functionalities:
- an **input field:** allows users to **search a report by the related AED ID;**
- a **scrollable list:** displays every existing report, and shows a specific report if users search it like mentioned above;

The scrollable list shows the IDs of the AEDs, and an action that can be performed for each report.
- **"More info" clickable text:** displays a more detailed information about the report and two buttons for different functionalities, allowing the admin to take specific actions on the reported AED.
  - The buttons are:
    - **Report as Spam:** marks the report as spam. Based on the user's spam history, it will either delete the report and redirect the admin to the "Manage Reports" page, or will simply redirect them, without deleting the report, if the user hasn't reached the spam threshold.
    - **Mark as Resolved:** delete the report and redirect the admin to the "Manage Reports" page, indicating the issue has been addressed.

In the example pictured in <u>Figures 35, 36 & 37</u>, the report will be marked as resolved.
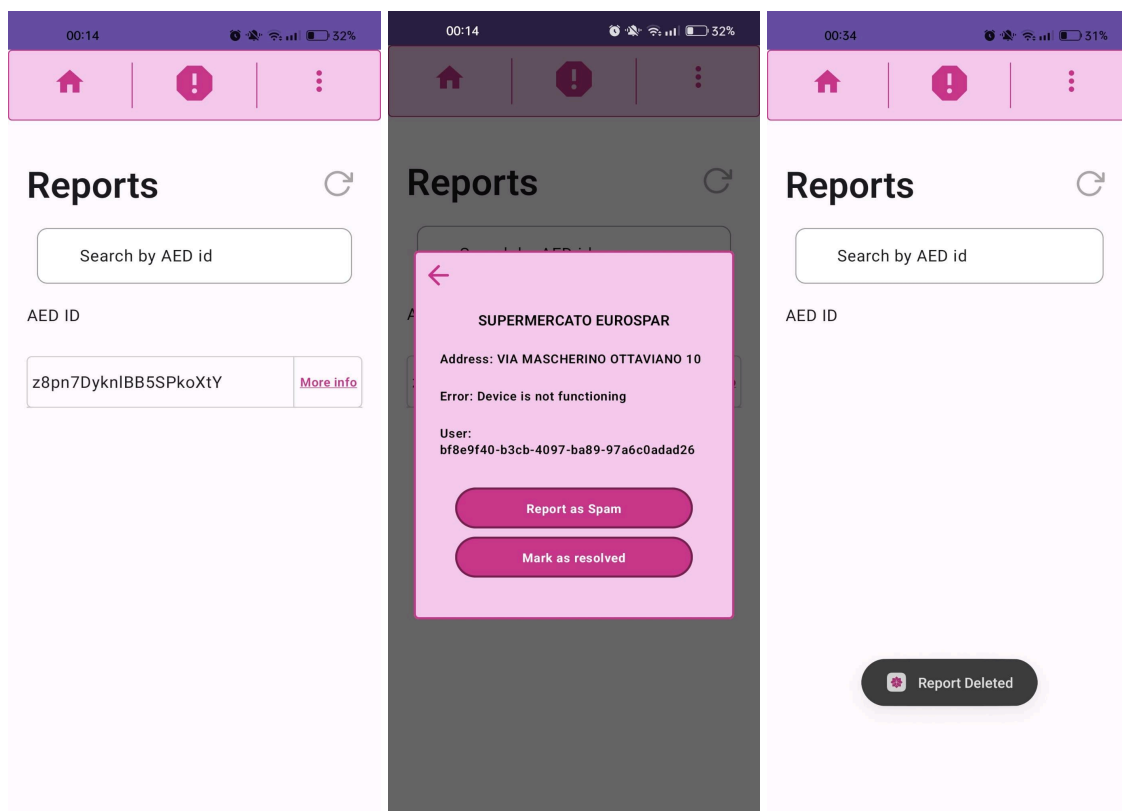
Figures 35, 36 & 37. Manage report

Add User Page

Clicking on the "Add User" button, in the "More options" menu from the menu bar, the admin is redirected to this page.

Here, as shown in Figure 38, a form is displayed for the admin add another administrator to the application, including:

- an **input field for the email**;
- an **input field for the password**;
- a **"Register New User" button to save the credentials** entered on the previous input fields, and create a new admin account.
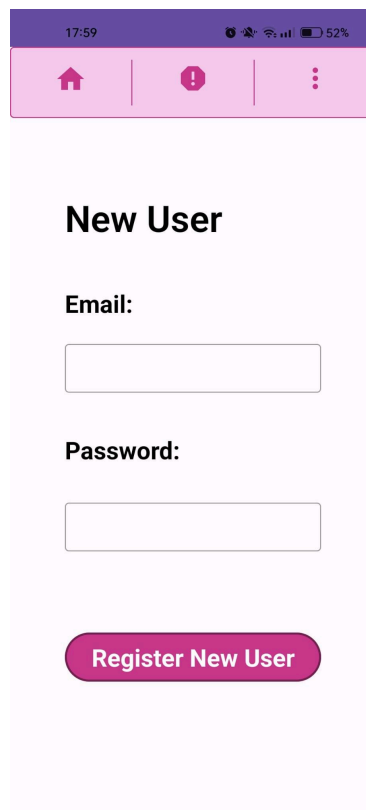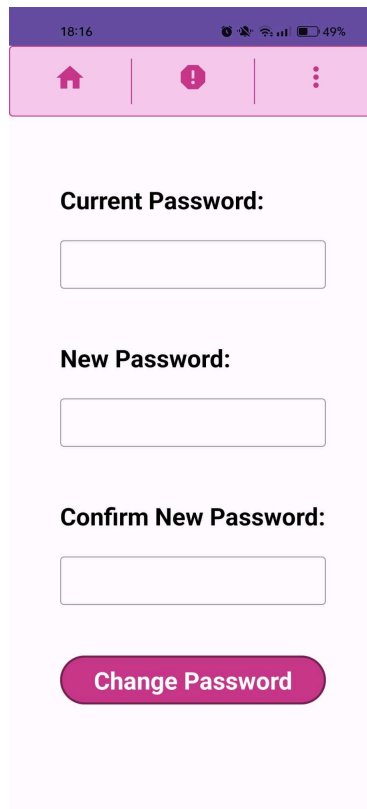

Figure 38. Create new user account

Change Password Page

This page allows the admins to change their current password.

The form is exemplified in Figure 39 and presented includes:

- an **input field to enter the current password**;
- an **input field to enter the new password**;
- an **input field to confirm the new password**, by re-entering it;
- "Change Password" **button that, when clicked, saves the entered credentials** and updates the admins' password.

Figure 39. Change password screen

Delete Account

This button, found in the "More options" menu, allows administrators to delete their own accounts.

When the button is clicked, a confirmation dialog is shown.

- **Clicking on "Delete"** the account is deleted and the user is redirected to the "Home" page.
- **Clicking on "Cancel"**, will stop the action and the admin is redirected back to the "Manage AEDs" page without any changes made.
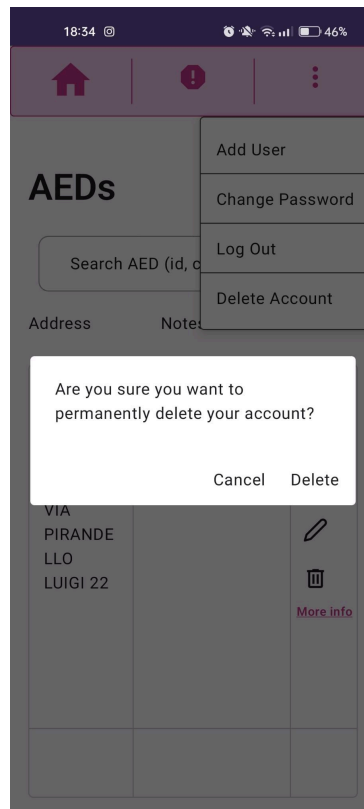
This confirmation dialog is presented in Figure 40.

Figure 40. Delete account

Log Out

This button is also located in the "More options" menu, as seen in , allows administrators to log out of their accounts. When clicked, it ends the administrators session, and redirects them to the "Home" page, where the admins reverts to a standard user role.
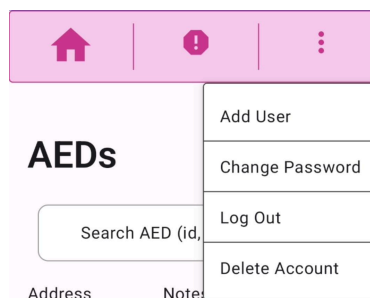

Figure 41. More options menu