

Graphical User Interface Description

This section presents the GUI for the Taafi application. GUI is a digital interface in which a user interacts with graphical components such as icons, buttons, and menus. In a GUI, the visuals displayed in the user interface convey information relevant to the user and actions they can take [72]. When the user accesses the Taafi application will show the window in the figure 22 to process the application data, after processing the data the registration window will show up, see figure 23. The user should select the option if the user has an account will select sing-in or if the user is new to the application will select sign-up.

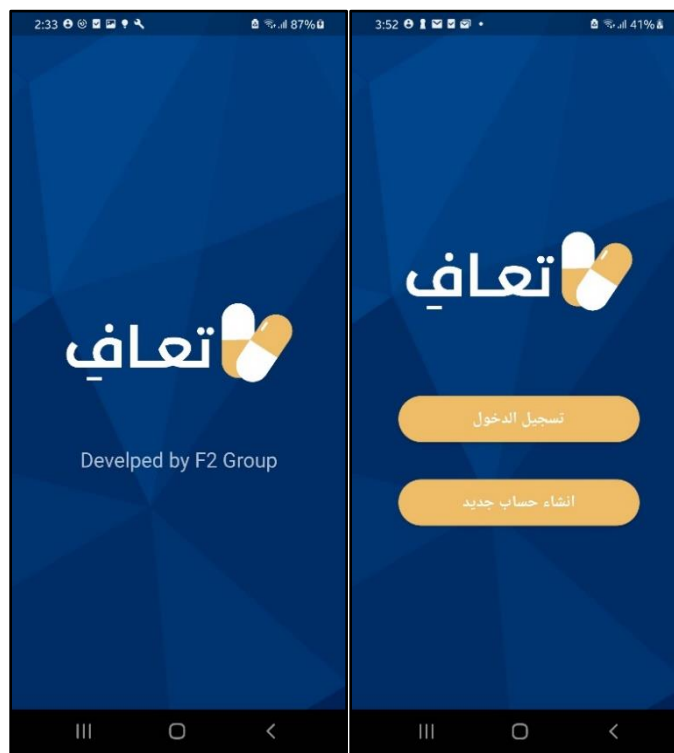


Figure 22: Data Process

Figure 23: Registration Window

To sign-up for the system the user should enter his email and password. When the user enters the password, it should follow the constrain of the password, see figure 24. If the email or the password not valid, or the email is registred before the system display error massege, see figure 25, 26 27. After that, the user should enter personal information, see figure 28. After completing the registration, the main window will show up for the user, see figure 29.

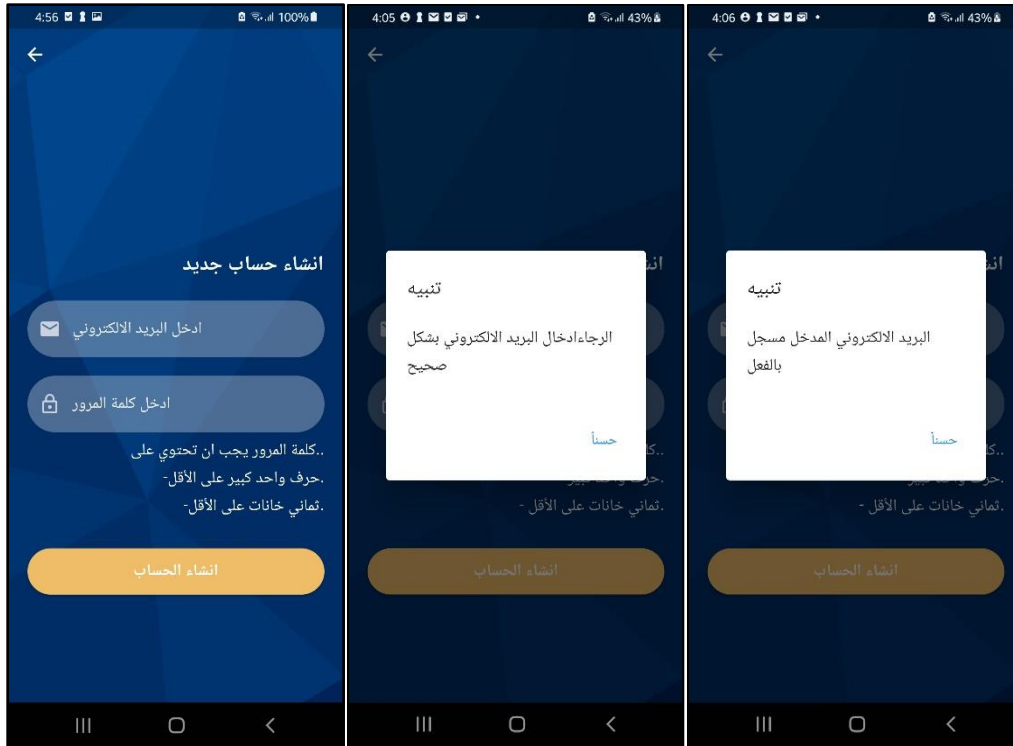


Figure 24: Sign-up

Figure 25: Email not valid

Figure 26: Email is registered before

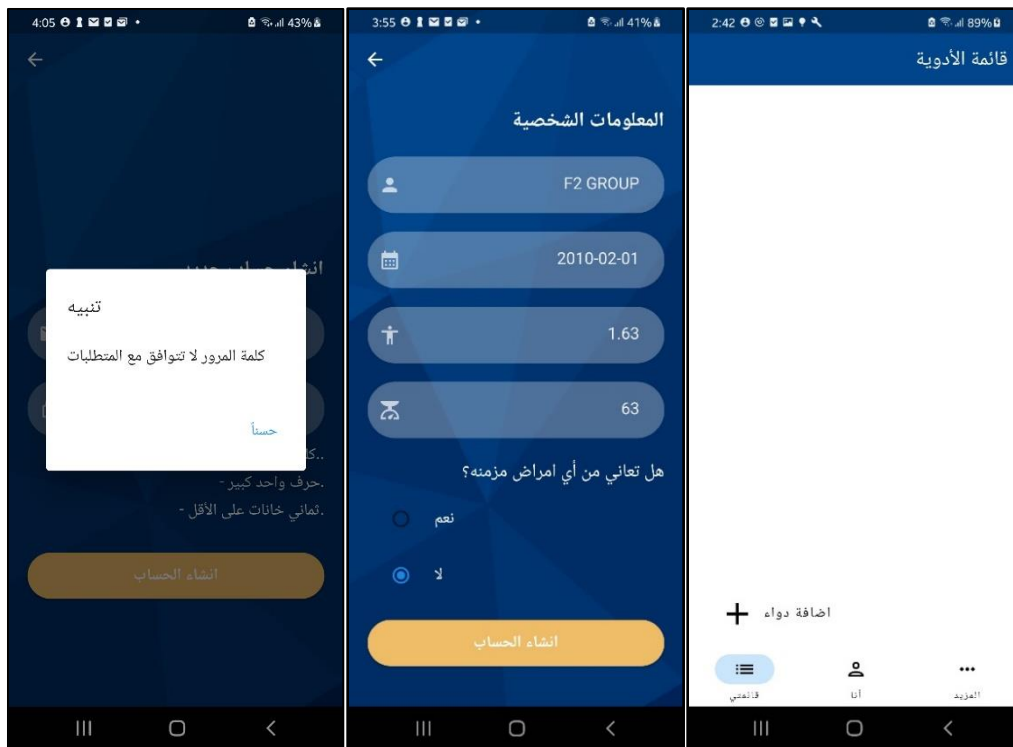


Figure 27: Password not valid

Figure 28: Personal Information

Figure 29: Main Window

If the user has an account, then he/she should select sign-in. To sign-in the user should enter the email and the password, see figure 30. The system will move him/her to the main window figure 29. However, if the user enters an incorrect email or password the system will show an error message, see figure 31 and figure 32. If the user forgets the password, then he/she should click on “Forget Password” to reset the password.

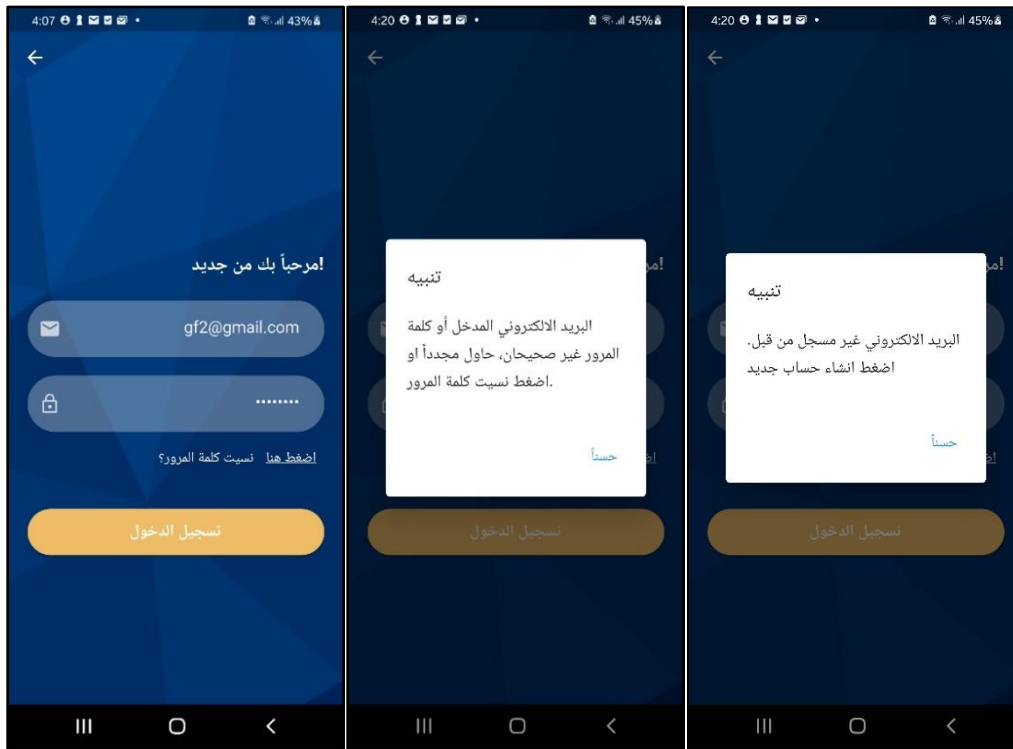


Figure 30: Sign-in

Figure 31: Error Message

Figure 32: Email is not registered.



Figure 33: Email

The system will open a window to let the user enter his email see figure 33. The system will send a message to the user containing a link to reset the password, see figure 34 and figure 35. The user should enter the new password figure 36.



Figure 34: Message

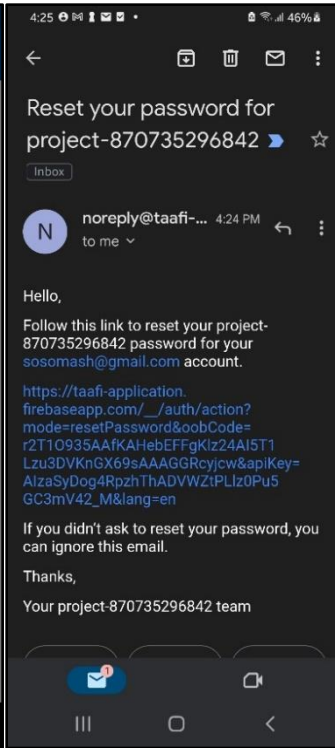


Figure 35: Password Reset

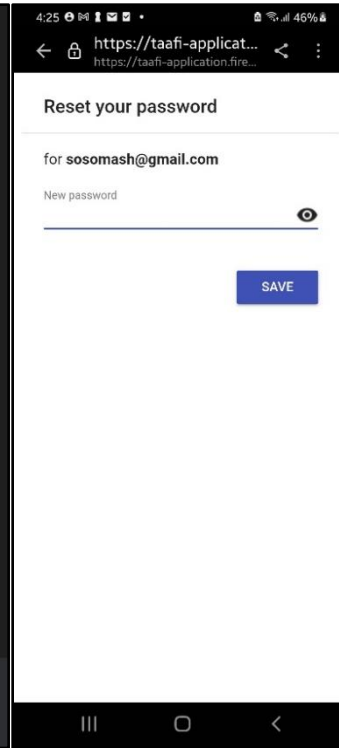


Figure 36: New Password

after entering the new password, the user be able to use it figure 37.



Figure 37: Password Change

After entering the main window, the user can add a drug to the list, see figure 29. The user should click on add drug option and the system will open the search window figure 38, The user can search for the drug by entering the drug name, taking photo from the camera, or selecting a photo from the library figure 39 and figure 40.



Figure 38: Search Window



Figure 39: Photo

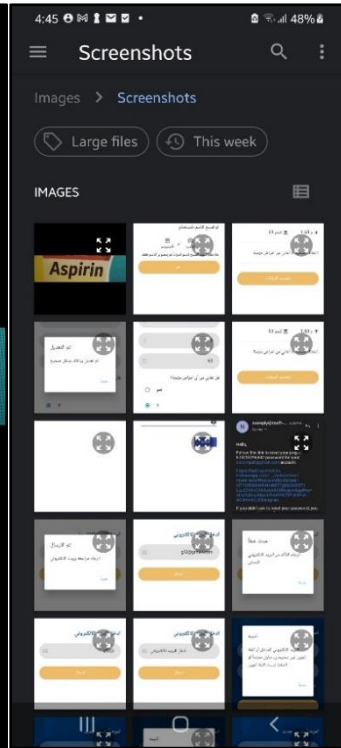


Figure 40: Photo Library

After the user clicks on done, the system checks if there are interactions with the added drug and a drug in the user list, see figure 41. Figure 42 shows the side effect of the selected drug, after clicking on the next the system will show a window on the figure 43, that enables the user to set up the drug information and set the alarm, see figure 44.

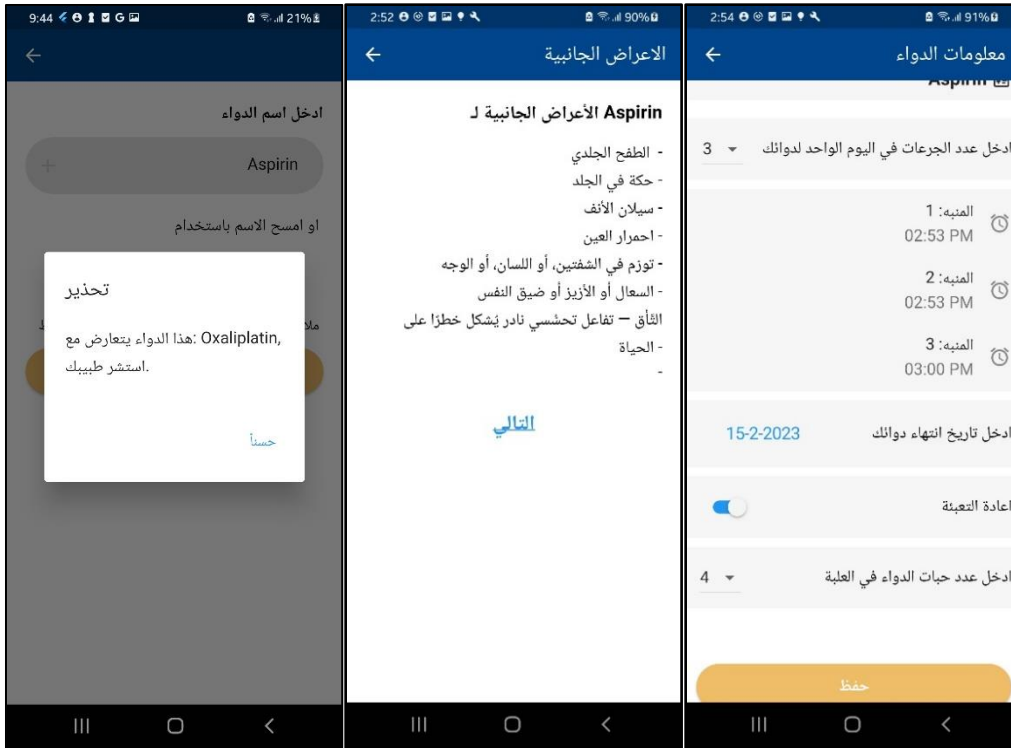


Figure 41: Drug Interactions

Figure 42: Drug Side Effect

Figure 43: Drug Information

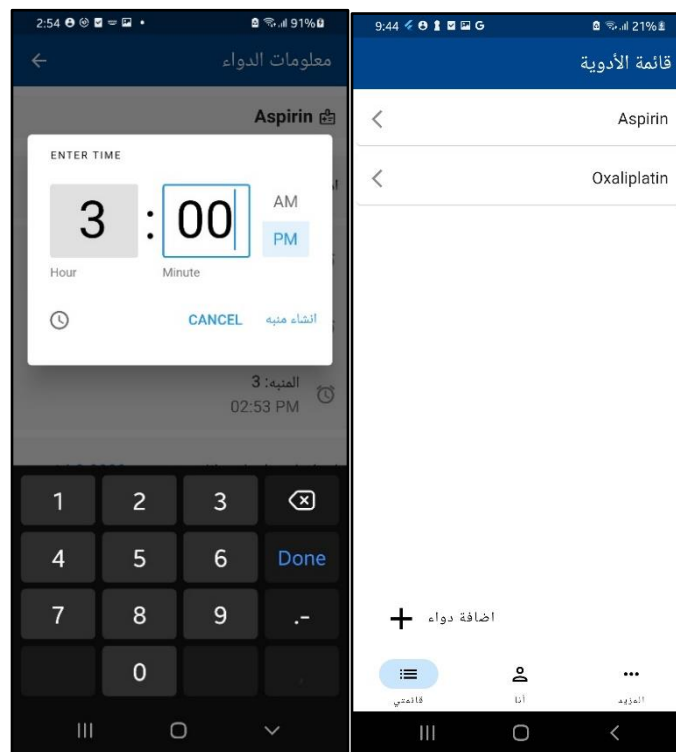


Figure 44: Alarm

Figure 45: Drug List

Figure 45 show the drug list after the user saves the drug information successfully. The user can click on the drug, then drug information appears, see figure 46. Then the user can update the information for the drug by clicking on update, see figure 47. Also, the user can check the drug history by clicking on history, see figure 48.

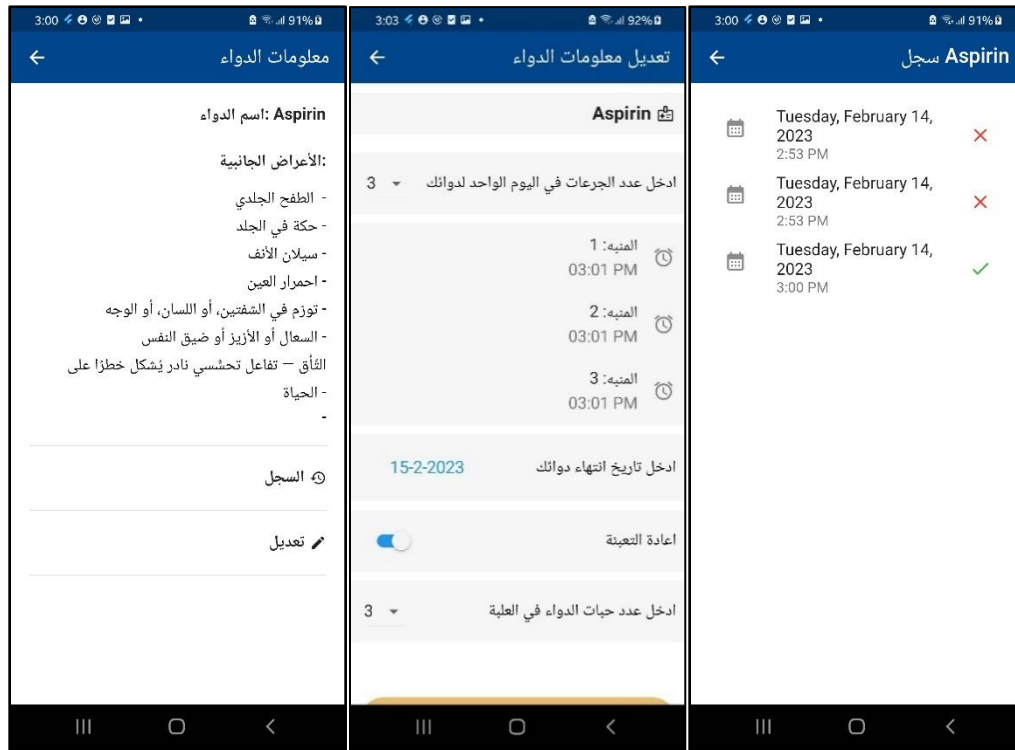


Figure 46: Drug Information Figure 47: Update Information Figure 48: Drug History

After entering all the drug information, the system will send a notification to the user for the drug time figure 49, refill drug figure 50, and expiry date for the dug figure 51.

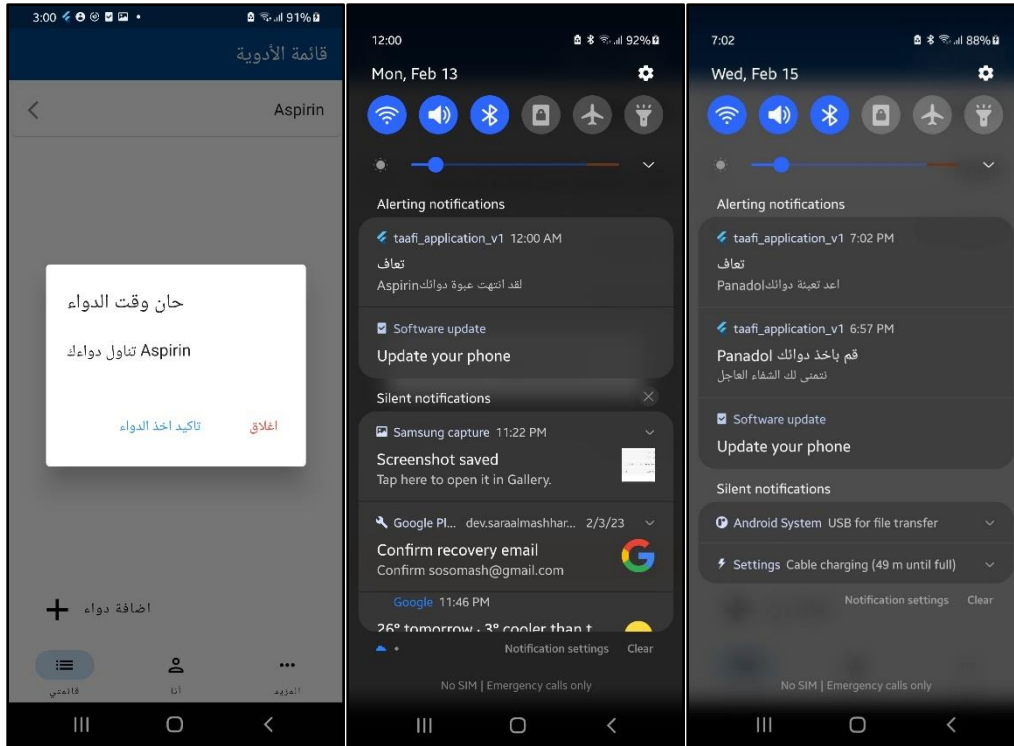


Figure 49: Drug Time

Figure 50: Refill Drug

Figure 51: Expiry Date

The system can display the user information by the clicking on profile icon figure 52. And the user can update his personal information by clicking on “Update Information”, see figure 53. If the user updates the information and clicks save the system will show a message for the user to confirm the updated information figure 54.

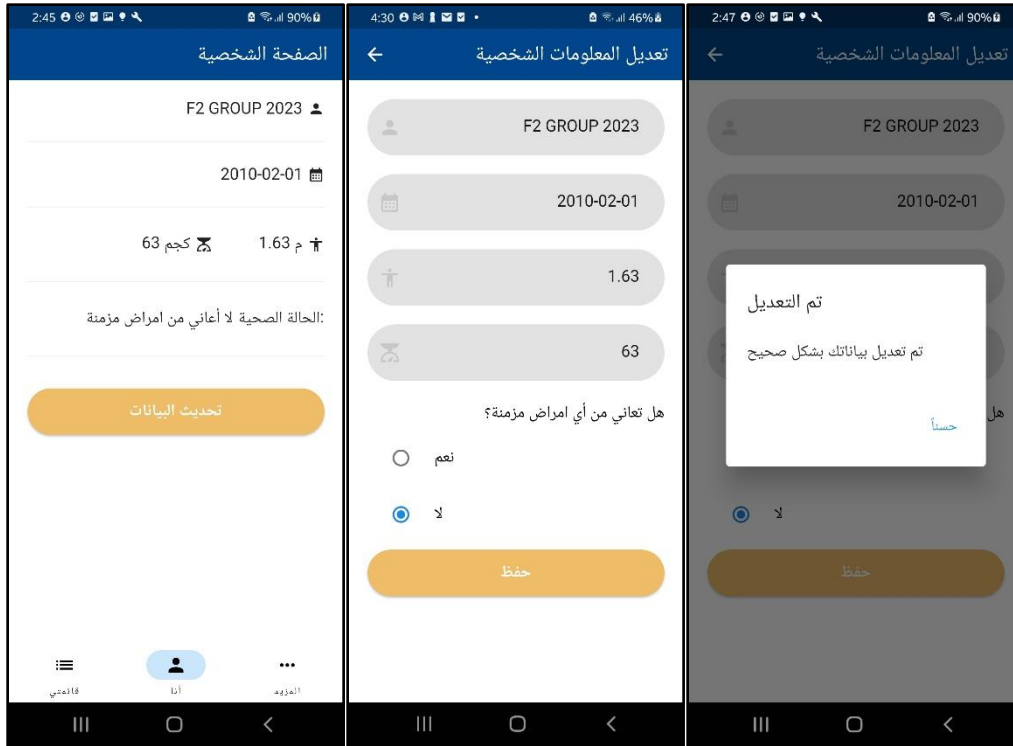


Figure 52: Profile

Figure 53: Update Information

Figure 54: Confirm Update

The system offers help for the users if they need any help by clicking on more icons Figure 55, and clicking on “Help”, see figure 56. The user can write the message on email form and send it figure 57.

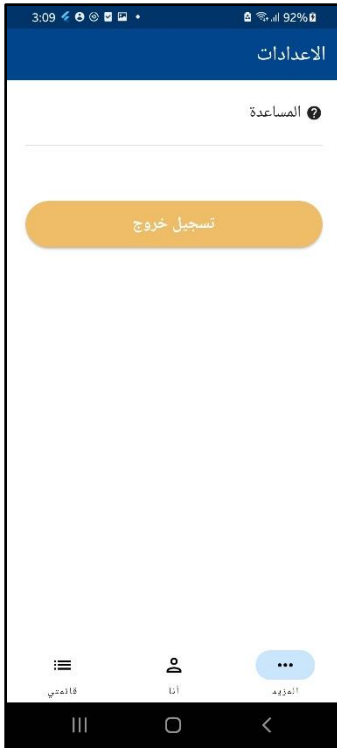


Figure 55: More

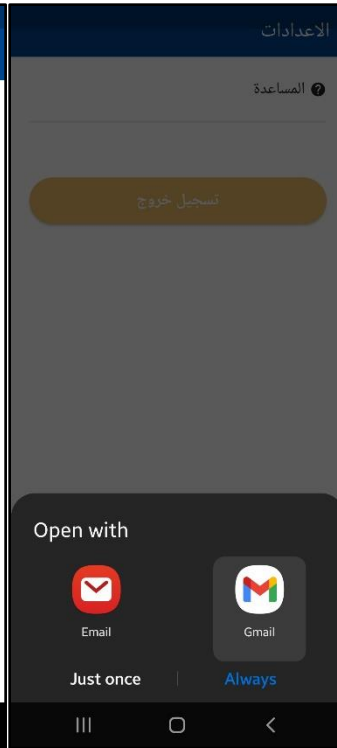


Figure 56: Help

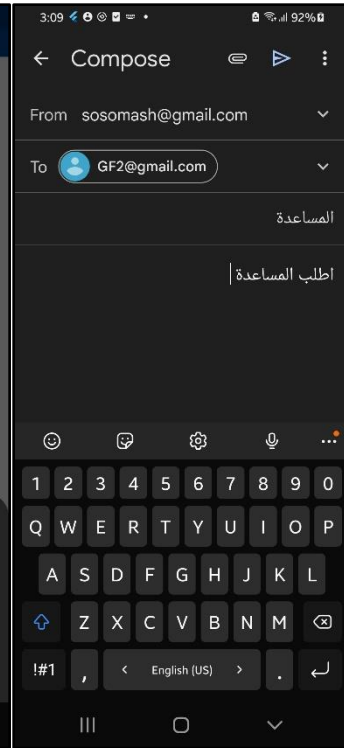


Figure 57: Email Form