

Program Flow

This document is just to give you a general idea of the flow. It is not comprehensive. Please make sure you refer to the description and handle all the requirements/constraints mentioned therein.

The homepage of the application should be a login page providing login for 2 different types of users: Patient and Health Supporter.

Check for incorrect login scenario.

Patient

When logged in as a patient, the homepage displays the following options: Profile, Diagnoses, Alerts, Health Indicators, Health Supporters and Logout.

1. **Profile** will have the option to view and edit the profile details like UID, date of birth, name, address, gender, patient category as mentioned in the description. Patient category has values 'Well' or 'Sick' which is automatically determined depending on whether a person has existing diagnoses or not.
2. **Diagnoses** should have option to view/edit existing diagnoses and to enter new ones from the list of disease categories as given in the description.
3. **Health Indicators** will list the name, description, alert threshold, recommended measures/limits for each relevant indicator enlisted in the description. There should be an option to enter the (measured) values for the applicable indicators and also record the date/time of the observation.
4. **Alerts** should display all the existing alerts for the patient. For each alert, its type (outside-the-limit, low-activity), relevant health indicators and all their details should be displayed. There should also be the option to enter missing observations to clear the alert if applicable (refer description).
5. **Health Supporters** option will have the option to add/edit health supporters and their details like UID, Names, Contact Info and Authorization Date.

Health Supporter

The health supporter has access to all the patient information and has the right to edit that information as long as they are authorized in that role. So the program flow will include the patient information for each patient they are supporting and the option add/edit their own profile information as mentioned in the description. Please note that there are certain rights which only the health supporter has (like clearing some alerts), and so some options will be additional/different accordingly. Please refer to the description for the same.

Sample Program Flow Snippet

Start Menu

Display	Input	output
1. Login 2. Signup 3. Exit		

Login Page

Display	Input	output
Enter UID followed by password	UID and password	-Recognize if user is a Patient or Health supporter -Print "Login Incorrect" go back

Logged in as Patient

Display	Input	output
1. Profile 2. Diagnoses 3. Health Indicator 4. Alerts 5. Health Supporters 6. Logout	Enter choice	Display the options for the entered choice