

# OpenMRS-Hypertension User Manual



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# User Manual

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## LOGIN PAGE

In order to login, the user has to enter their UUID (which is a unique identifier for every patient; the UUID is provided when a new user completed registration) and press "Submit" which will redirect the patient to the "Dashboard Page". Attempting to complete the login without providing an UUID will authenticate the user as a "test user".

## REGISTER PAGE

In order to register, the user has to press the "Register New Patient" button on the Login Page that will redirect them to the Registration Page where the user needs to complete the provided blanks with their given name, family name, gender and hospital location. The user has to press the "Register" button which will complete the registration by saving the completed fields in the OpenMRS database and return a unique identifier (UUID), which the user is asked to keep safe for future logins. After registration, the user will be redirected to the "Dashboard" Page as the newly registered patient.

## DASHBOARD PAGE

The "Dashboard" Page displays the application menu at the bottom of the page ("Input", "Graph", "Chat") as well as the image buttons to input their nutrition/activity/heart rate logs which are labelled as "Food", "Exercise", "Heart Rate", "Height&Weight" and "Sync Data". Clicking any of them will redirect the user to the specific page. The "Dashboard" Page also provides a drop-down menu with 2 tabs: "Profile" Page tab that will redirect the user to the Profile Page and the "Log out" tab that will sign out the user.

## **FOOD PAGE**

The "Food" Page provides 3 cardviews for each meal of the day: breakfast, lunch and dinner. By clicking any of them will redirect the user to the "Nutrition Log" Page where they can search for any type of food (option implemented using the FatSecret API). The user can then choose any of the food options and press OK, which will redirect the user back to the "Food" Page and calculate the total calories for the provided meal. When the user has chosen all the meals they want to save, they will press the "Submit" button which will send the total calories of all chosen meals to the OpenMRS database and redirect the user back to the "Dashboard" Page.

## **EXERCISE PAGE**

The "Exercise" Page is similar to the "Food" Page in a way that the user will be provided with 5 card views to write down their activity log ("calories burned", "distance covered", "total steps", "floors climbed", "active minutes"). After completing the required fields, the user can press the "Submit" button to save the data to the OpenMRS database.

## **HEART RATE PAGE**

The "Heart Rate" Page provides a single cardview for the user to input their BMP (beats per minute) value. By pressing the "Submit" button, the data will be saved to the database.

## **HEIGHT/WEIGHT PAGE**

The "Height/Weight" Page provides 2 cardviews, one for height input and the other one for weight input. After completing the views, the user can press the "Submit" button to save the data.

## **SYNC DATA PAGE**

The "Sync Data" Page provides 2 buttons that allow users to synchronize their health data from their GoogleFit and Fitbit accounts. Both buttons only work when the user authorizes the app with their respective accounts, which the SyncData page will ask when the user first clicks the button. Once the user has authorized their FitBit account with our app, a "Logout from Fitbit" button will appear on the bottom of the page to allow the user to log out their Fitbit account.

## **GRAPH PAGE**

The "Graph" Page displays an overview of the patient's condition: a graph that shows the number of steps the user took over the last 5 days, average heart rate over the past 5 days, target heart rate, abnormalities, BMI, and an average of their daily exercise minutes. To refresh the data, the user can pull down the page, which will cause the app to fetch their data from the OpenMRS database and sync it with their local database in the app.

## **CHAT PAGE**

Before proceeding to the "Chat" Page, the user will be asked to introduce their doctor's name. If no name is provided, a test doctor will be used instead. After typing in their doctor's name and pressing the "Submit" button, the user will be redirected to the "Chat" Page where they can see the last conversation they had with their doctor. To send a new message, the user has to complete the blank space at the bottom of the page and press "Send". A notification option is also available which will let the patient know if they have a new message from their doctor.