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# MyHealth

## Description

MyHealth is a health management application. It allows users to track and manage their healthcare through their android device.

## Intended User

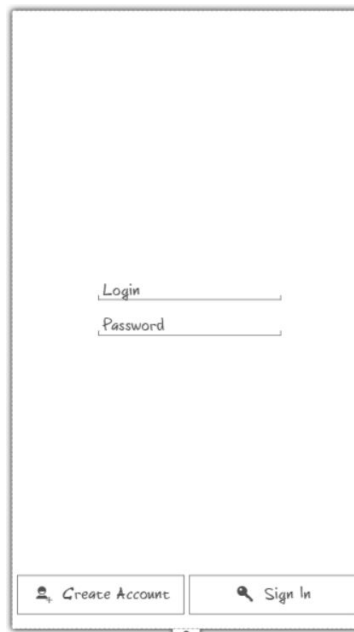
MyHealth is intended for patient use as well as healthcare provider use.

## Features

- Patients will be able to
  - List and track their medications
  - Record their medical issues and history
  - View and request appointments
- Providers will be able to
  - View scheduled patients and their information
  - Respond to appointment requests

## User Interface Mocks

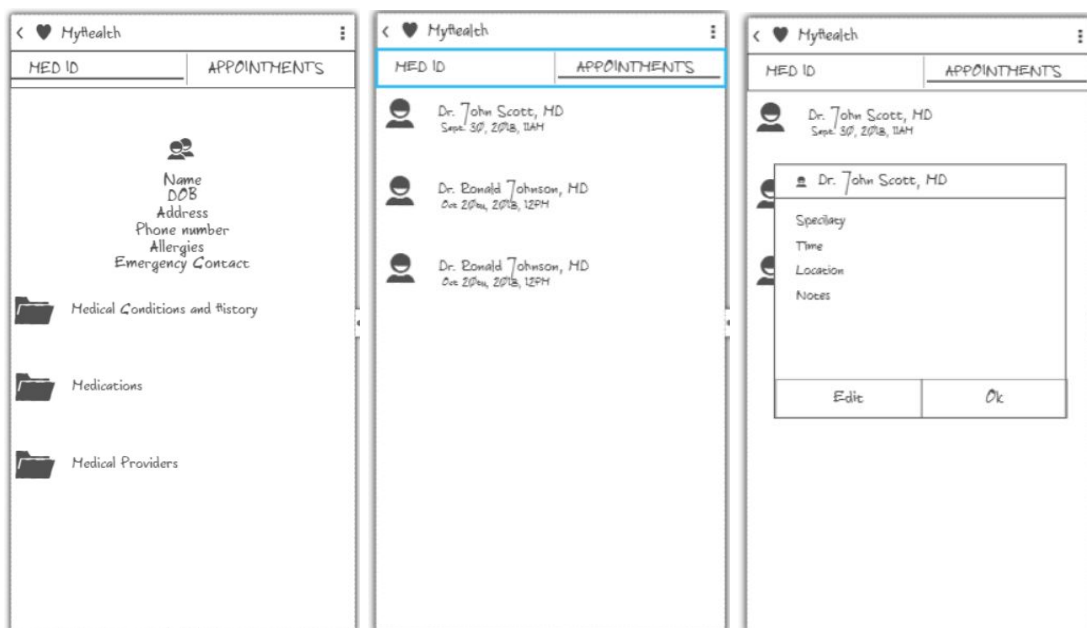
### Screen 1 - Login Screen



A mobile app mockup for a login screen. It features two input fields labeled "Login" and "Password". At the bottom, there are two buttons: "Create Account" with a person icon and "Sign In" with a magnifying glass icon.

Users will be greeted with a login screen, in which they can login or create a new account.

### Screen 2 - Medical ID and Appointments Screen



Three mobile app mockups for the Medical ID and Appointments screen. The first mockup shows a tabbed interface with "MED ID" and "APPOINTMENTS" tabs. The "MED ID" tab is active, displaying a list of medical information: Name, DOB, Address, Phone number, Allergies, Emergency Contact, Medical Conditions and History, Medications, and Medical Providers. The second mockup shows the "APPOINTMENTS" tab active, displaying a list of appointments with details like doctor name, date, and time. The third mockup shows a modal form for editing an appointment, with fields for Specialty, Time, Location, and Notes, and "Edit" and "Ok" buttons.

After login, users will be able to view their medical identification, along with navigation to other important medical information. Users can also use the viewpager to swipe to or click to view their appointments.

### Screen 3 - Medical Conditions and History Screen

The image shows two side-by-side mobile app screens for 'Medical Issues and History'. Both screens have a title bar with a heart icon and a menu icon. Below the title bar are two tabs: 'Existing Conditions' and 'Medical Hx'.

**Left Screen (Existing Conditions):**

- Hypertension** (Diagnosed: 2010) - Edit icon
- Obesity** (Diagnosed: 2012) - Edit icon
- Diabetes** (Diagnosed: 2012) - Edit icon
- Bottom right: Add icon (+)

**Right Screen (Medical Hx):**

- Appendectomy** (Performed: 2010) - Edit icon
- Laparoscopic cholecystectomy** (Performed: 2011) - Edit icon
- Gastric Bypass** (Performed: 2011) - Edit icon
- Bottom right: Add icon (+)

Patients will be able to document and view their existing and historical medical history.

### Screen 4 - View Schedule and Requests Screens

The image shows two side-by-side mobile app screens for 'MyHealth'. Both screens have a title bar with a heart icon and a menu icon. Below the title bar are two tabs: 'SCHEDULE' and 'REQUESTS'.

**Left Screen (SCHEDULE):**

- Patient Information:** Name, DOB, Address, Phone number, Allergies, Emergency Contact.
- Today:**
  - Dr. John Scott, MD** (Sept 30, 2018, 11AM)
  - Dr. Ronald Johnson, MD** (Oct 20th, 2018, 12PM)
  - Dr. Ronald Johnson, MD** (Oct 20th, 2018, 12PM)

**Right Screen (REQUESTS):**

- John Doe, DOB** (Reason: Stomach Ache) - Decline | Schedule
- John Doe, DOB** (Reason: Back Pain) - Decline | Schedule
- John Doe, DOB** (Reason: Follow up) - Decline | Schedule

Providers will be able to see their patients listed, with a various options available, such as date and time look ahead. They can select the patient to view more details regarding the patient. They can also swipe to the right for appointment requests

## Key Considerations

### How will your app handle data persistence?

Patients will be able to keep a copy of their information on their device. It will be pushed to Firebase Realtime Database.

### Describe any edge or corner cases in the UX.

None that I can think of

### Describe any libraries you'll be using and share your reasoning for including them.

- Picasso - for image loading
- Butterknife - for view binding
- Google Design - for building material views

### Describe how you will implement Google Play Services or other external services.

- Firebase SDK Authentication - for registering and saving patients
- Firebase Realtime Database - for storing patient information

## Next Steps: Required Tasks

### **Task 1: Setup Firebase SDK Authentication**

I will be following the directions [here](#) for setting up Firebase SDK Authentication on Android.

### **Task 2: Setup Firebase Realtime Database**

I will be following the directions [here](#) for setting up Firebase Realtime Database on Android.

### **Task 3: Setup Multi Variants**

I will be setting up two flavors of the app, one for providers and one for patients.

### **Task 4: Setup Views and Activities**

Setup views for all activities

- MainActivity
- AppointmentActivity
- MedicationsActivity
- Etc.

### **Task 5: Make App Material**

Style designs per [Material Design Guidelines](#).

### **Task 6: Create Android Tests and Java Tests**

Create tests to ensure correct interactions and application logic.

Wireframes created using NinjaMock.