

[Description](#)

[Intended User](#)

[Features](#)

[User Interface Mocks](#)

[Screen 1 - Login Screen](#)

[Screen 2 - Medical ID and Appointments Screen](#)

[Screen 3 - Medical Conditions and History Screen](#)

[Screen 4 - View Schedule and Requests Screens](#)

[Screen 5 - Widget View Schedule Screen](#)

[Key Considerations](#)

[How will your app handle data persistence?](#)

[Describe any edge or corner cases in the UX.](#)

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

[Describe how you will implement Google Play Services or other external services.](#)

[Next Steps: Required Tasks](#)

[Task 1: Setup Firebase SDK Authentication](#)

[Task 2: Setup Firebase Realtime Database](#)

[Task 3: Setup Multi Variants](#)

[Task 4: Setup Views and Activities](#)

[Task 5: Create Widget](#)

[Task 6: Make App Material](#)

[Task 7: Create Android Tests and Java Tests](#)

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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

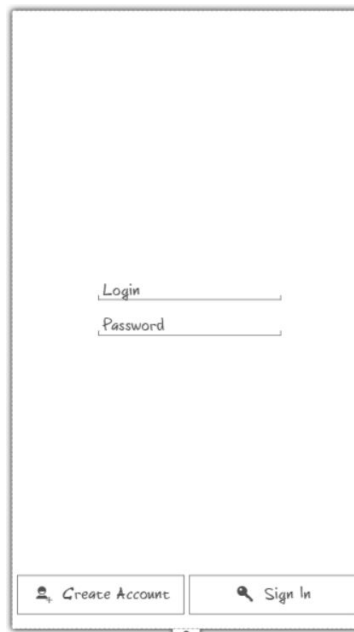
MyHealth is intended for patient use as well as healthcare provider use.

Features

- App is written solely in the Java Programming Language.
- App keeps all strings in a strings.xml file and enables RTL layout switching on all layouts.
- App includes support for accessibility
- App provides a widget that lists scheduled appointments
- 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

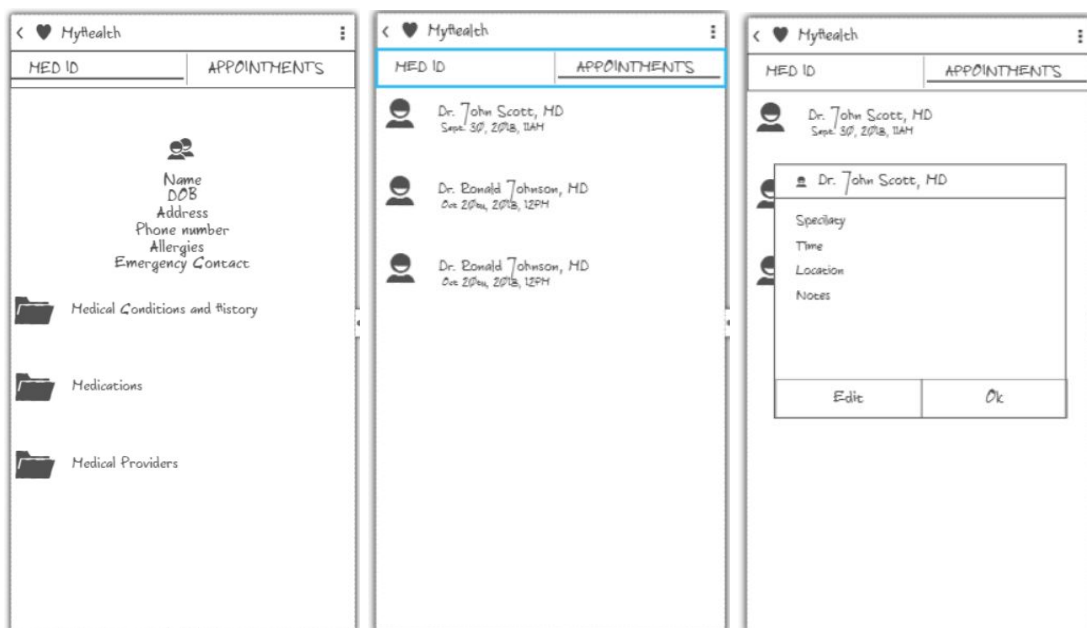
Screen 1 - Login Screen



A vertical rectangular screen mockup for a login interface. It features two input fields: the top one is labeled "Login" and the bottom one is labeled "Password". Below these fields are two buttons: "Create Account" on the left and "Sign In" on the right. The "Sign In" button includes 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 side-by-side mockups of a mobile application screen titled "MyHealth". Each mockup has a header with a heart icon and the title "MyHealth". Below the header are two tabs: "MED ID" and "APPOINTMENTS".

- Left Mockup:** The "MED ID" tab is selected. It displays a list of medical information items: "Name", "DOB", "Address", "Phone number", "Allergies", and "Emergency Contact". Below these are three folder icons labeled "Medical Conditions and History", "Medications", and "Medical Providers".
- Middle Mockup:** The "APPOINTMENTS" tab is selected. It displays a list of three appointments, each with a doctor's name and a date/time: "Dr. John Scott, MD" (Sept. 30, 2018, 11AM), "Dr. Ronald Johnson, MD" (Oct 28th, 2018, 12PM), and "Dr. Ronald Johnson, MD" (Oct 28th, 2018, 12PM).
- Right Mockup:** The "APPOINTMENTS" tab is selected. It shows a detailed view of an appointment for "Dr. John Scott, MD" (Sept. 30, 2018, 11AM). Below the appointment details are fields for "Specialty", "Time", "Location", and "Notes". At the bottom are two buttons: "Edit" and "Ok".

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

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

Screen 4 - View Schedule and Requests Screens

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.

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: Create Widget

Create a widget provider that uses a listView to display upcoming appointments for providers and patients.

Task 6: Make App Material

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

Task 7: Create Android Tests and Java Tests

Create tests to ensure correct interactions and application logic.

Wireframes created using NinjaMock.