GitHub Username: roklyt

NotADoctor

Description

The app tries to find a diagnosis with at least 90% certainty in a question answer scenario and then to find the user a suitable doctor in his immediate vicinity. The mechanics are based on the api of infermedica.

Intended User

This app is made for everyone. But especially for the people who need a little push to go to a doctor because they have no excuse here anymore that they don't know which one.
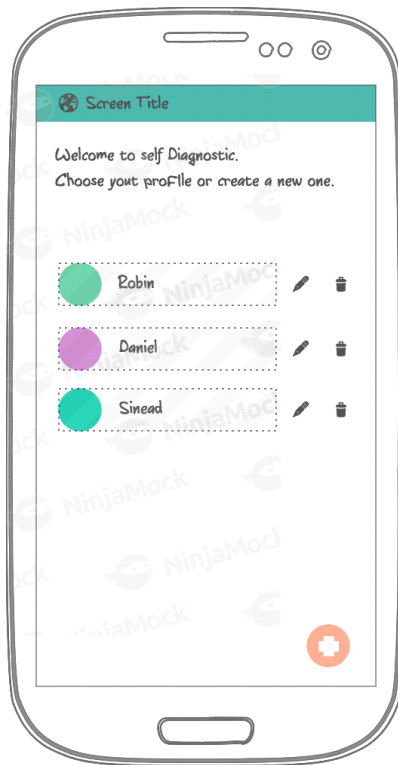
Features

- Save user profile with all relevant infos about the user.
- Self diagnose chat which results in an diagnose.
- Google Maps search to show the customer the next practice that meets his needs.

User Interface Mocks

https://www.ninjamock.com/s/HVDWTSx
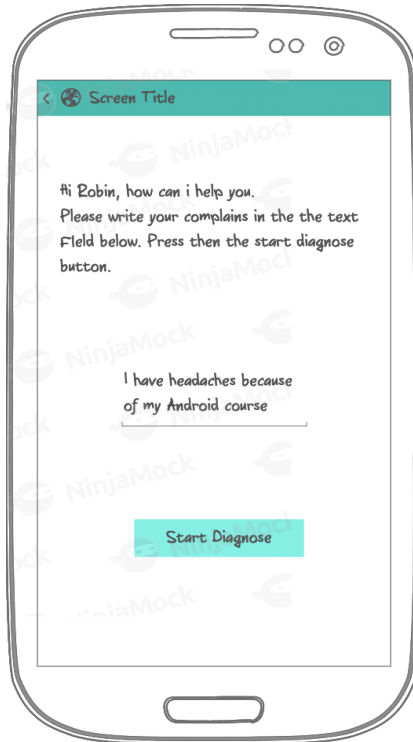
Welcome screen

The user has a overview about the user profiles. More than one profile is important here, so that the user can for example also add his children who do not have smartphones or grandparents. By clicking a profile the diagnose process starts.

Edit and create screen

The customer can create or edit his profile and set some common risk factors.

Start the diagnose screen

< ⊛ Screen Title

Hi Robin, how can i help you.
Please write your complains in the the text
Field below. Press then the start diagnose
button.

I have headaches because
of my Android course

Start Diagnose

The user can enter his complains and start the diagnose.

Question pages

< ⊛ Screen Title

Have you recently had any trauma or physical
injury — for example, an accident or while
exercising?

○ Yes
◉ No
○ Don't know

| Abort | Next |

< ⊛ Screen Title

"What is the character of your headache?"

blurred vision	◉
light−headedness	○
nausea	○
sensory disturbances	◉

| Abort | Next |

< ⊛ Single _ Group Question

"What is your body temperature?"

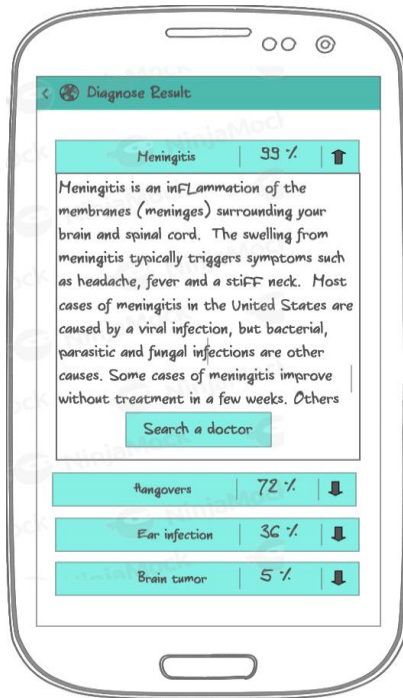| 36,3 − 37,4 °C | ◉ |
37,5 − 38,0 °C	○
38,1 − 38,5 °C	○
38,6 − 39,0 °C	○

| Abort | Next |

There are three different kind of question pages.
- Single Question: Yes, No, don't' know
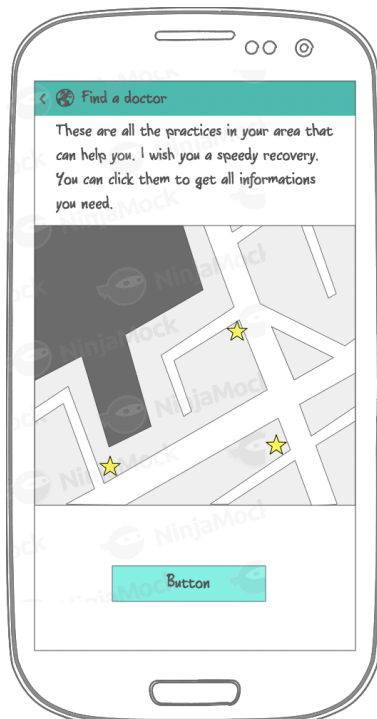- Group Question: The user can choose multiple answers.

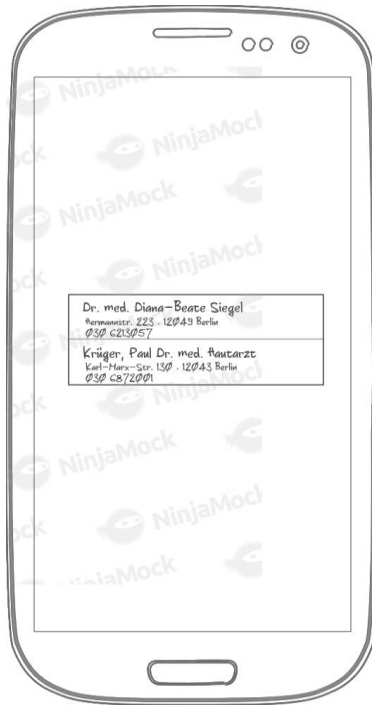- Single Group Question: The user can choose only one answer.

Result page

The user gets multiple results with different percentages. The result with the highest percentage is opened and summary about the diagnose is shown.

Find a doctor

On this page the user can choose any doctor which was found via google maps in his area.

Widget

The shows the doctors from the last successfull diagnose.

Key Considerations

How will your app handle data persistence?

The app is using room,live data and viewModel.

Describe any edge or corner cases in the UX.

- If the user is in the middle of a diagnose and hits the back button
  The welcome screen appears after a confirm dialog appears.
- Orientation change while api request is in progress.

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

- Gson to serialize and deserialize the request and responses against the infermedica API.
- Retrofit for all API calls.
- Butterknife to get rid of findviewbyId.

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

- Google add service to show on the find a doctor page a add banner.
- Google maps an google places to find the right location.

Next Steps: Required Tasks

Task 1: Project Setup
- Configure libraries
- Create database
- Define tabels(User, symptomes, diagnoses)
- Create user adapter
- Create diagnose adapter
- Create API logic for the diagnose dialog

Task 2: Implement UI for Each Activity and Fragment
- Build UI for WelcomeActivity
- Build UI for EditCreateActivity
- Build Fragment for diagnose dialog
- Build UI for resultActivity
- Build UI for findDoctorActivity

Task 3: Implement Google Apis
- Implement Google maps
- Implement Google add

Task 5: Edge cases and error handling
- Add error handling
- Handling for edge cases

Task 6: Implement Widget
- Create widget layout
- Combine the widget with the app

Task 6: Material Design
- Polish the app and add Material design
- Add translation Animations
- Animate buttons
- Add design for Tablet and landscape mode.