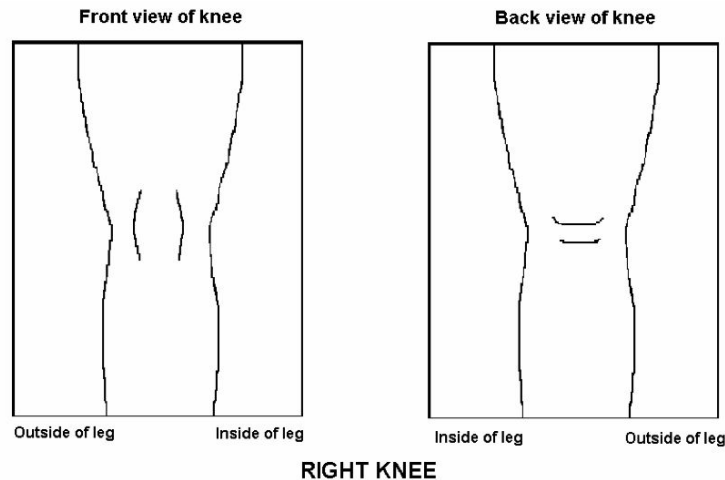


Team KOASK

February 8th SCRUM

Meeting with Dr. Sharif

- Signed NDA
 - Got permission to show app prototypes to the class
- Got clarification of patient survey questions
 - Wording of questions must be exactly what we were given
 - Pain location question
 -



Meeting with Dr. Sharif

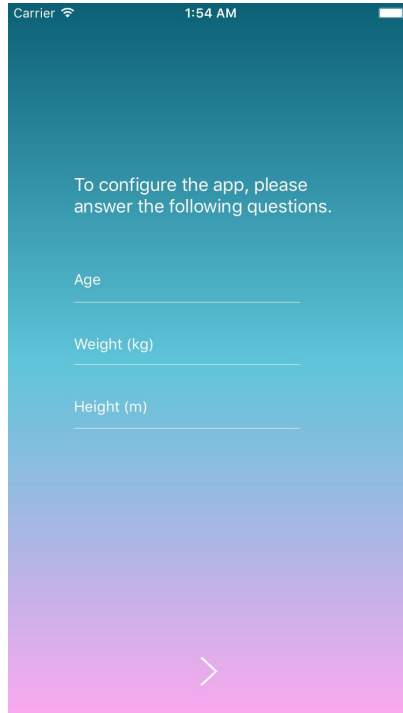
- Pain / stiffness rating
 - 0-5 vs 0-100



- The pain and stiffness questions come from Western Ontario and McMaster Universities Arthritis Index (WOMAC) which is a standard set of questions about arthritis symptoms.
 - Client does not want to deviate from these standard questions
 - The authors of the WOMAC questions have research that suggests that these types of continuous sliders are the best way to get symptoms from patients.
- Showed him our prototypes
 - Client is content to leave decisions about colours and fonts to us and the users but wants to make sure the text is large enough and aim for 1 survey question per page

Early Prototypes

Used to get the ball rolling.



Carrier 1:54 AM

To configure the app, please answer the following questions.

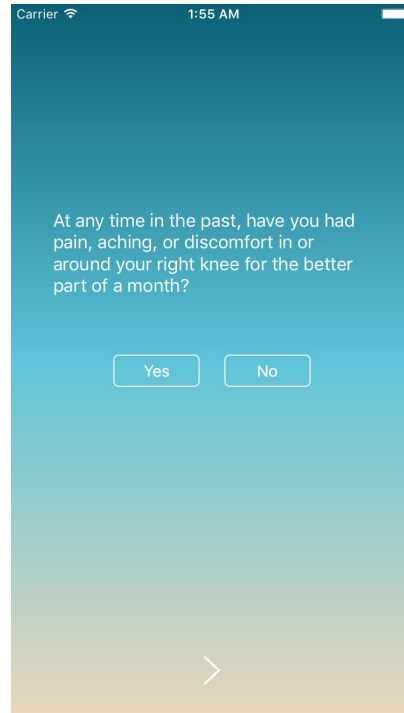
Age

Weight (kg)

Height (m)

>

This is the first screen of an early mobile app prototype. It features a teal-to-purple gradient background. At the top, the status bar shows 'Carrier', a signal icon, the time '1:54 AM', and a battery icon. The main text asks the user to answer questions to configure the app. Below this, there are three input fields labeled 'Age', 'Weight (kg)', and 'Height (m)'. A white chevron icon is at the bottom center.



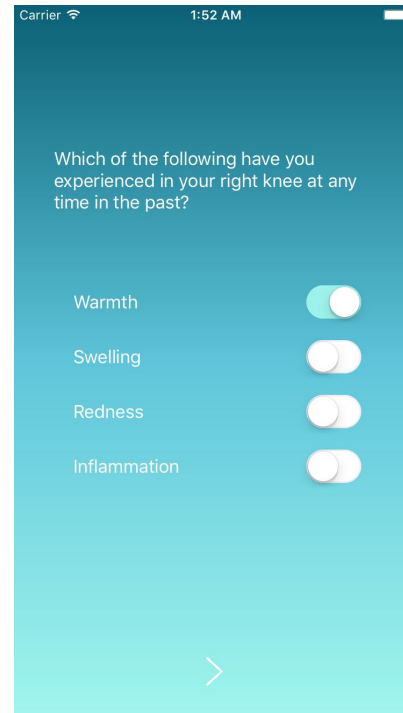
Carrier 1:55 AM

At any time in the past, have you had pain, aching, or discomfort in or around your right knee for the better part of a month?

Yes No

>

This is the second screen of the early mobile app prototype. It has a teal-to-brown gradient background. The status bar shows 'Carrier', a signal icon, the time '1:55 AM', and a battery icon. The main text asks a question about knee pain. Below the question are two buttons labeled 'Yes' and 'No'. A white chevron icon is at the bottom center.



Carrier 1:52 AM

Which of the following have you experienced in your right knee at any time in the past?

Warmth

Swelling

Redness

Inflammation

>

This is the third screen of the early mobile app prototype. It has a teal-to-cyan gradient background. The status bar shows 'Carrier', a signal icon, the time '1:52 AM', and a battery icon. The main text asks which symptoms the user has experienced. Below this are four toggle switches labeled 'Warmth', 'Swelling', 'Redness', and 'Inflammation'. A white chevron icon is at the bottom center.

Survey Prototypes

The goal: Give our team some visual reference to start discussion...

Very basic. Unpolished.

Allows us to see potential trouble areas...

bmi calculator

BMI Pain Profile Risk Analysis

gender male

please enter your weight

172

lbs kg

continue

• • •

bmi calculator

BMI Pain Profile Risk Analysis

gender male

weight 172lbs

please enter your height

3 ft	7 in
4 ft	8 in
5 ft	9 in
6 ft	10 in
7 ft	11 in

feet meters

continue

• • •

select a knee

BMI Pain Profile Risk Analysis

Which knee hurts?

left both right

none

continue

pain during activities

BMI Pain Profile Risk Analysis

Using the sliders below, indicate how much pain you feel when you are...

Walking on a flat surface?

no pain moderate severe

Going up or down stairs?

no pain moderate severe

In bed at night?

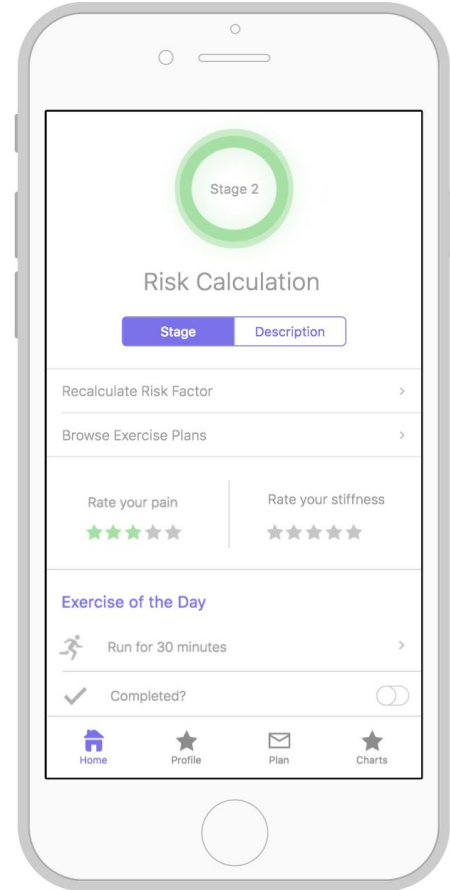
no pain moderate severe

continue

Initial Homescreen Prototype

Changes

- 3 different risk calculations (pain, function, severity)
- “Track Symptoms” and “Track Exercises”
- The ability to view educational information, connect with others, and see nearby resources



Going Forward

- Decide which prototype (or combination of prototypes) to implement.
- Divide up the work
 - Startup screen
 - Initial survey
 - Homescreen
 - Tracking symptoms
 - Tracking exercises
 - List of exercises
 - Charts
- Decide how to track exercises