

Final Projects

The Coding Bootcamp

Expectations

1. We expect whatever you build to have utility
2. We expect you to have market or real-world research that evidences your idea has REAL value to people.
3. We expect you to have done research on other web / mobile applications in your domain.
4. We expect you to put serious time and thought into this.
5. We expect you to report problems you are facing along the way.
6. We expect you to utilize some form of project management system.
7. We expect you to dig deep into documentation and external resources to learn what you need.

Requirements

Coding Requirements

- Must use ReactJS in *some* way (even if minimal)
- Must use a Node and Express Web Server
- Must be backed by a MySQL or MongoDB Database with a Sequelize or Mongoose ORM
- Must have both GET and POST routes for retrieving and adding new data
- Must be deployed using Heroku (with Data)
- Must utilize at least two libraries, packages, or technologies that we haven't discussed
- Must allow for or involve the authentication of users in some way
- Must have a polished frontend / UI
- Must have folder structure that meets MVC Paradigm
- Must meet good quality coding standards (indentation, scoping, naming)

But Honestly...

Do what you want. Talk to us first. Get our input.

*But if you have an idea and want to run with it,
we're not going to stop you.*

Remember:

No excuses. Time to prove yourself.

Deliverables

Project Updates

Instead of homework, you will be required to submit **4 Project Deliverables**.

These will be due each Saturday from now until Presentation Day.

Deliverables #1 (Nov 26, 2018) – Plan, Design, and Research

Deliverables #2 (Dec 1, 2018) – Ready MVP (Working App!), Mini-Presentation

Deliverables #3 (Dec 8, 2018) – Project Polish, Functionality Push, Final Plan

Final Presentation (Dec 15, 2018) – Presentation Time!

Deliverable #1

Deliverable #1

By Nov 26, 2018 you must submit a detailed plan of action for your project.


In this plan, you will include:

1. An overview of the intended application and WHY you feel it's valuable.
2. A set of DETAILED screen-by-screen design layouts with annotations describing all UI/UX components and all data relevant to the screen.
3. A breakdown of roles by group member.
4. A schedule for completion of various tasks.
5. A screenshot of your Jira, Trello, or Project Management Board that shows breakdown of tasks – assigned to group members with a schedule.

Example UI/UX Flow

User Login Screen

CardiacWellness Tracker



Username

Password

Login

About

SensoDx Inc.

Home Screen

CardiacWellness Tracker

Welcome Ahmed!

89 / 100

Your Cardio Wellness Score

Add/View Measurements

Sync Data

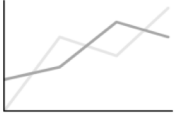
View Biomarker Results

SensoDx Inc.

View Measurements

CardiacWellness Tracker

Measurement History



Currently Showing:
Weight, Step Count, Blood Glucose,
Cardiac Wellness Score

Add Measurement

SensoDx Inc.

Add/View Measurements

CardiacWellness Tracker

Add Measurement

May 1, 2015 | 3:00 PM

Weight: lbs

Blood Glucose: mg/dL

Blood Pressure: / mmHg

Step Count: steps

Submit Update

View History

SensoDx Inc.

Screen Map

This is intended to show you the order in which users would see screens. The three branches correlates with the three button options from the main menu.

Home Screen

CardiacWellness Tracker

Welcome Ahmed!

89 / 100

Your Cardio Wellness Score

Add/View Measurements

Sync Data

View Biomarker Results

SensoDx Inc.

Sync Measurements

CardiacWellness Tracker

Sync Data

Pushing submit will
download all relevant data
from Apple Health Kit and
upload data to SensoDx
server.

Proceed?

Sync Data

SensoDx Inc.

Home Screen

CardiacWellness Tracker

Welcome Ahmed!

86 / 100

Your Cardio Wellness Score

Add/View Measurements

Sync Data

View Biomarker Results

SensoDx Inc.

Biomarker Result Menu

CardiacWellness Tracker

Biomarker Exam History

Most Recent (May 3, 2015)

April 1, 2015

March 1, 2015

February 1, 2015

January 1, 2015

December 1, 2014

SensoDx Inc.

Individual Biomarker Report

CardiacWellness Tracker

Biomarker Report

May 3, 2015 | 2:00 PM

CRP: 3.0 mg/L

MYO: 1.2 ng/mL

CK-MB: 2.7 ng/mL

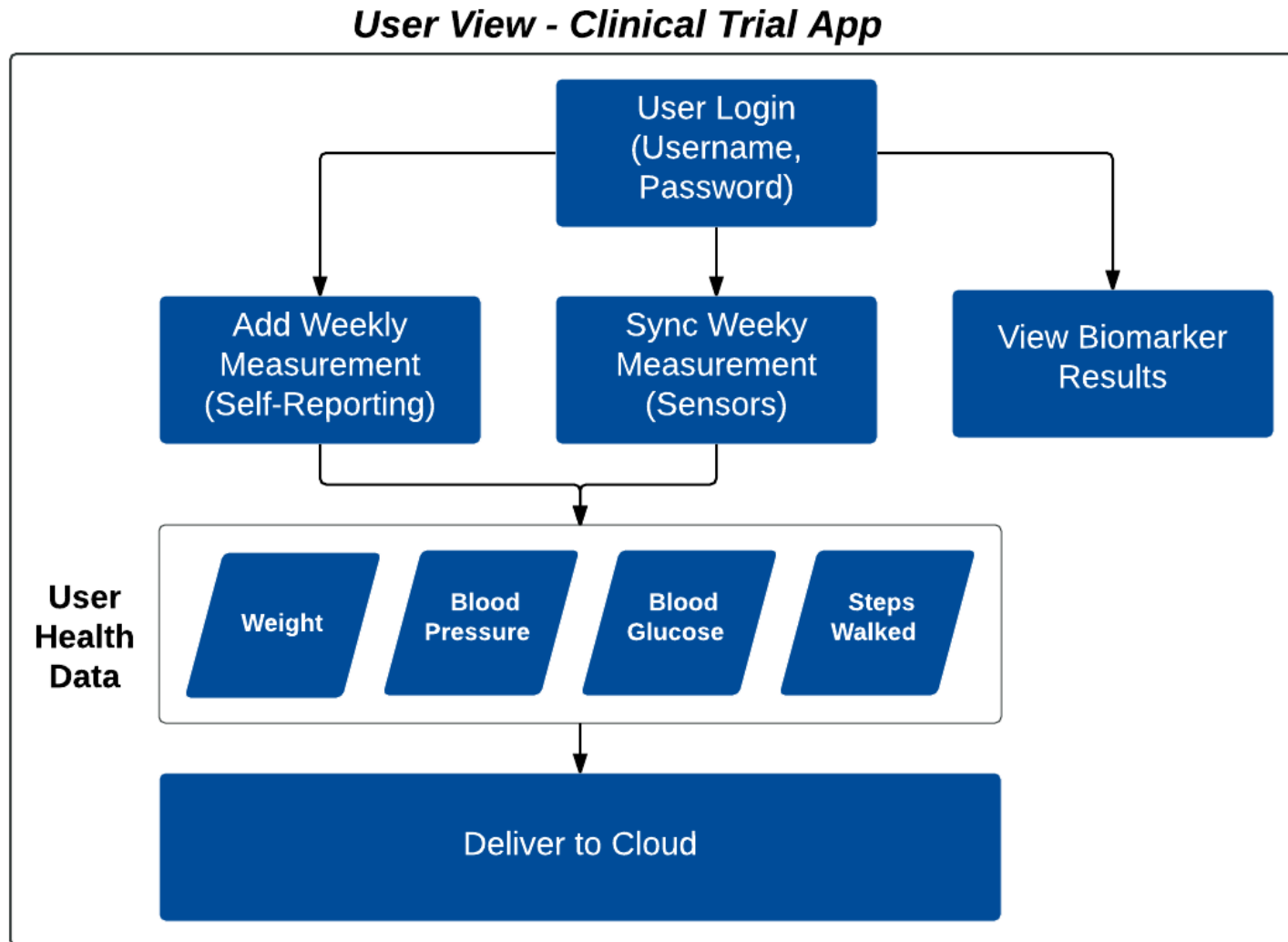
IL-1B: 1.1 ng/mL

MPO: 2.9 ng/mL

Email Results View History

SensoDx Inc.

Example Data Flow



Questions
