

Title: AngularJS Mobile Medical Application

Project: We are hiring a developer with experience in AngularJS and Ruby on Rails to help build an application, using test-driven development. The application will assist individuals recovering from surgery. The project will be staged in parts and may lead to full time employment with the company.

First project will involve building a simple Angular JS framework application to capture the degree of the user's numeric pain and mood values.

Project Specifications:

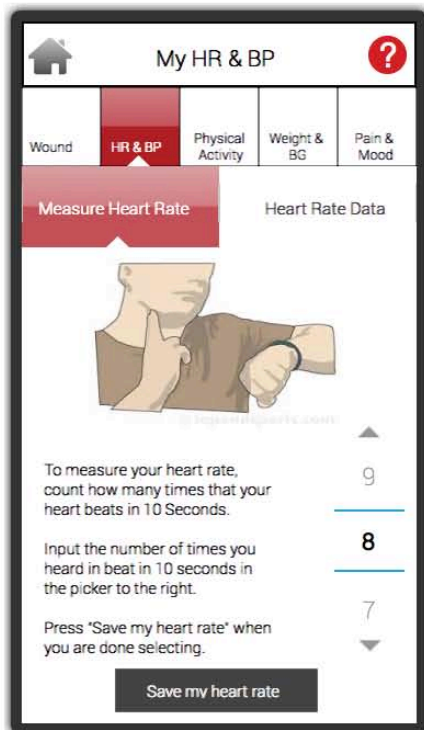
Core Components:

We would like the candidate to build AngularJS components that allows the user to enter simple numerical data for three purposes:

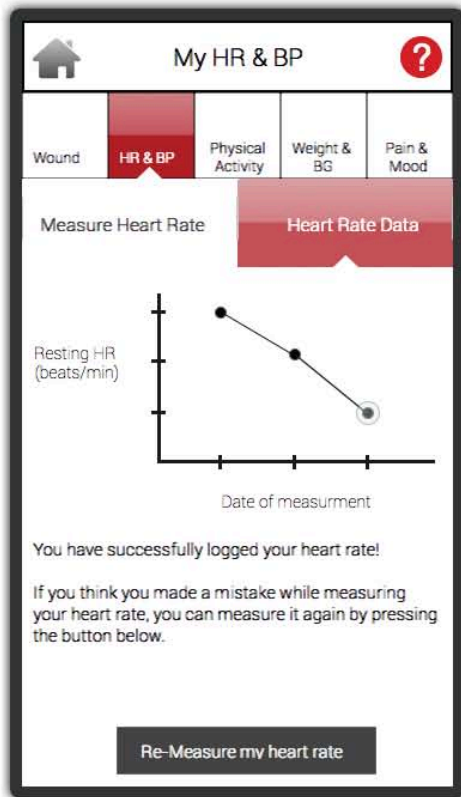
1) Heart Rate Tracking

User Input Screen: User determines their heart rate with the help of a timer on the app. The app automatically stores date and time along with the measurement.

Below is one potential interface suggestion - you can create your own, if you feel you can do better.



Output: User is able to edit their most recent measurements (within a specified number of days), and view past measurements on a graph



2) Weight Tracking: Weight tracking will have a similar functionality, user input screen, and data saving screen.

3) Blood Glucose Tracking: Glucose tracking will have a similar functionality, look, user input screen, and data saving screen.

Optional Additional Component: Picture of the day

As an additional component we would like you to create a module that allows you to take pictures, using a Samsung Galaxy S5 and saves those pictures in a picture-viewing gallery for the application. (Note: you do not need to own a Samsung Galaxy S5 phone to complete this component - use of an android emulator is fine.)

Functional Requirements/Acceptance Criteria:

The system shall be reasonable AngularJS code, which shall:

- 1- Provide an interface for heart rate tracking that allows users to enter and save their heart rate with the help of a timer.
- 2- Provide a similar interface which allows users to track and save their weight measurement

3- Provide a similar interface, which allows users to track and save their blood glucose values.

4- All interfaces should allow users to view and edit within a specified number of days, and view past measurements on a graph.

5 - Code should be written by the candidate, without contributions from other people. Code that is written by the candidate must be clearly identified, and should not include any proprietary code belonging to others. Open source / MIT / BSD and similarly licensed code and libraries are allowed and encouraged, however these materials should be clearly identified.

6 - This is an 'interview' task. You must be serious about working for us.

Communication:

HandyMetrics will be providing you with a Skype user contact and email address, which we encourage you to call or email, for any questions. The Skype account will be available for communication between the hours of 10am - 6pm Eastern Time.

Evaluation:

Your code should be well thought out, stylistically clean and documented as you feel appropriate. Tests are encouraged, as is the use of open source libraries and tools.

Future Work:

We would like to continue the remainder of the project. Our goal is to find a developer candidate to transition to full-time employment with the company. If the communication style, quality of work, and personalities are a good fit, we will be offering full-time employment. Future employment will be based on a very competitive salary for your country of origin. As this is a job interview project, please only apply if you are interested in working with us over a long term.

What you can offer:

- Strong English communication skills are required
- Experience developing web, mobile based applications and databases
- Knowledge of software development methodologies and best-practices
- Knowledge and practice with test driven development
- Habit of regular technical documentation
- Highly motivated, quick learner and able to work independently with minimal supervision
- Preference will be given to individuals who have experience with:
 - AngularJS
 - Ruby on Rails / Ruby
 - Git
 - Javascript / HTML5 / CSS
 - Sencha Touch
 - TDD / Testing familiarity: RSpec / Grunt / Jasmine

- Scrum / Agile methodologies

Education and Requirements:

- Must have completed a Bachelor's or Masters in a relevant field (e.g. Computer Science, Engineer w/ programming experience).
- Strong English proficiency is required
- Completed eLance profile

About our company:

Join a fast growing, award-winning Canadian medical software services company -

The company recently won "Most Promising Startup of the Year," and has grown to servicing many hundreds of academic hospitals and long term care facilities around the world. Come join our team!