

Lab Report 8 – Ionic Hybrid App Implementing REST Lab services from lab 6

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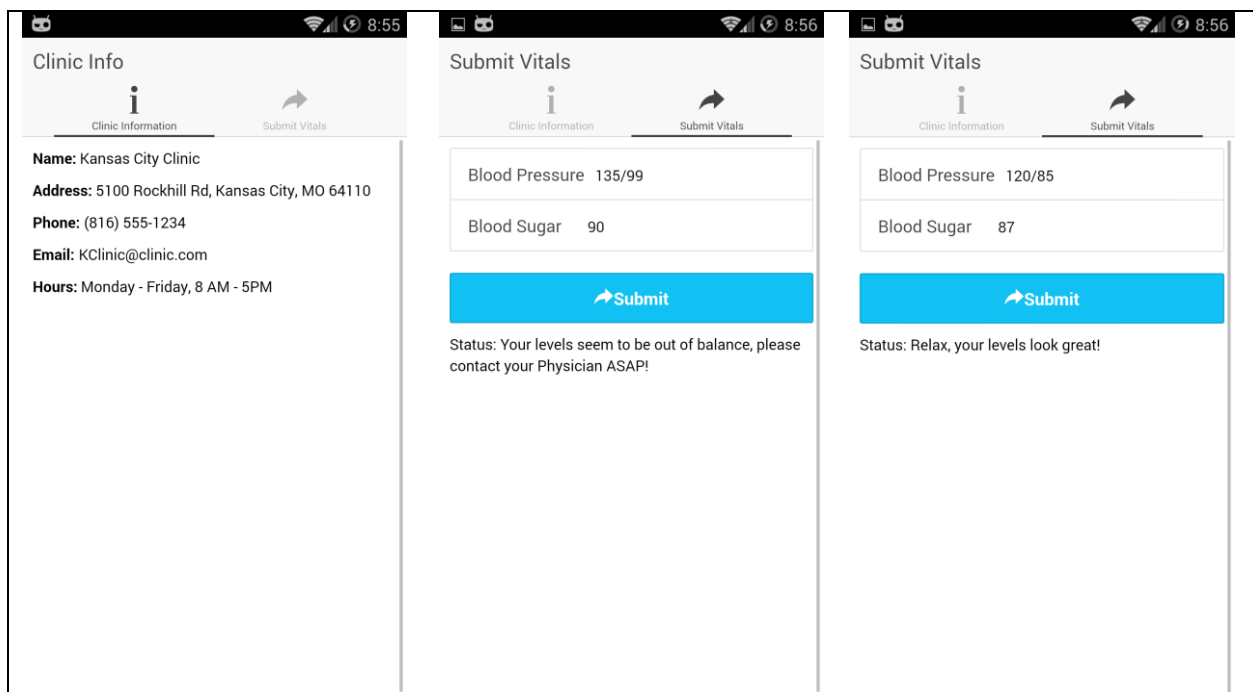
For Lab 8 I implemented the two rest services I designed in Lab 6 as an Ionic hybrid application for web and android. As a refresher, the services I created for lab 6 were:

1. A service that sends a JSON string with clinic info when requested
2. A service that accepts blood pressure and blood sugar vitals, checks the values, then sends a return JSON string with info notifying the client if the values are in range or out of range.

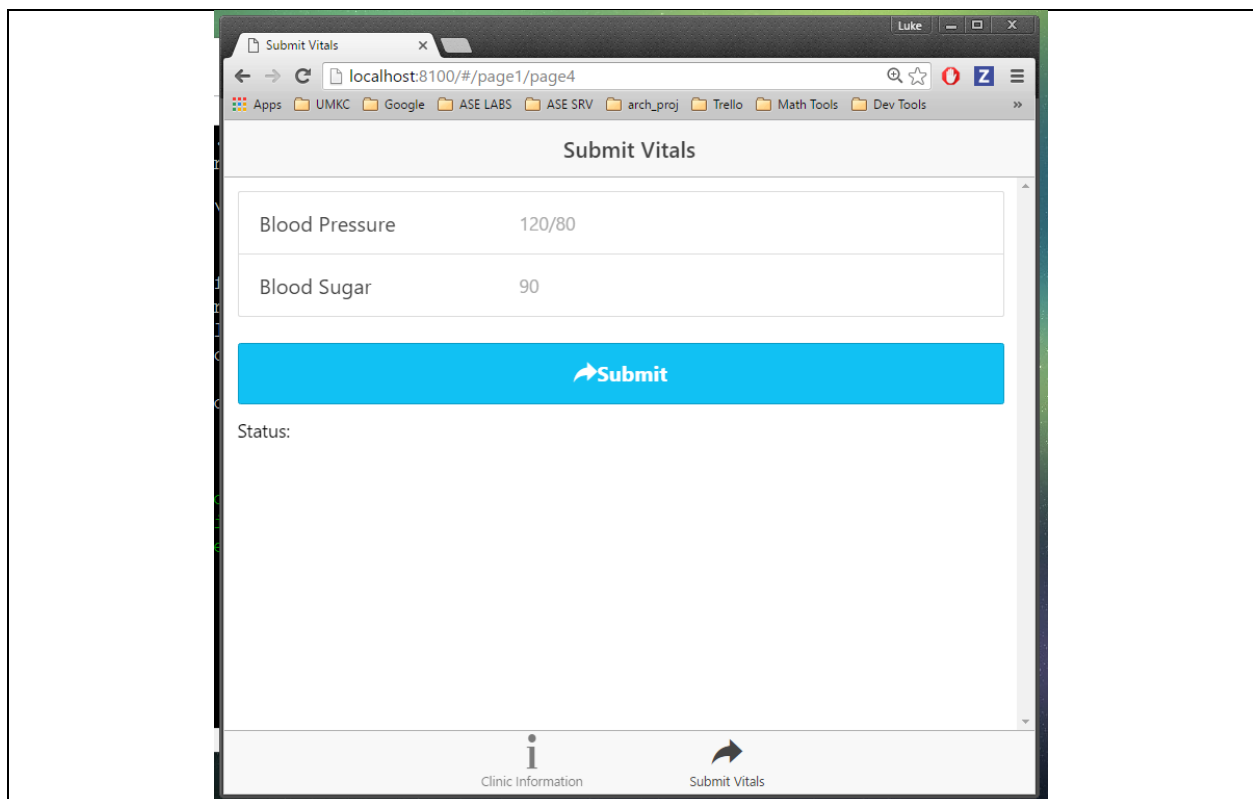
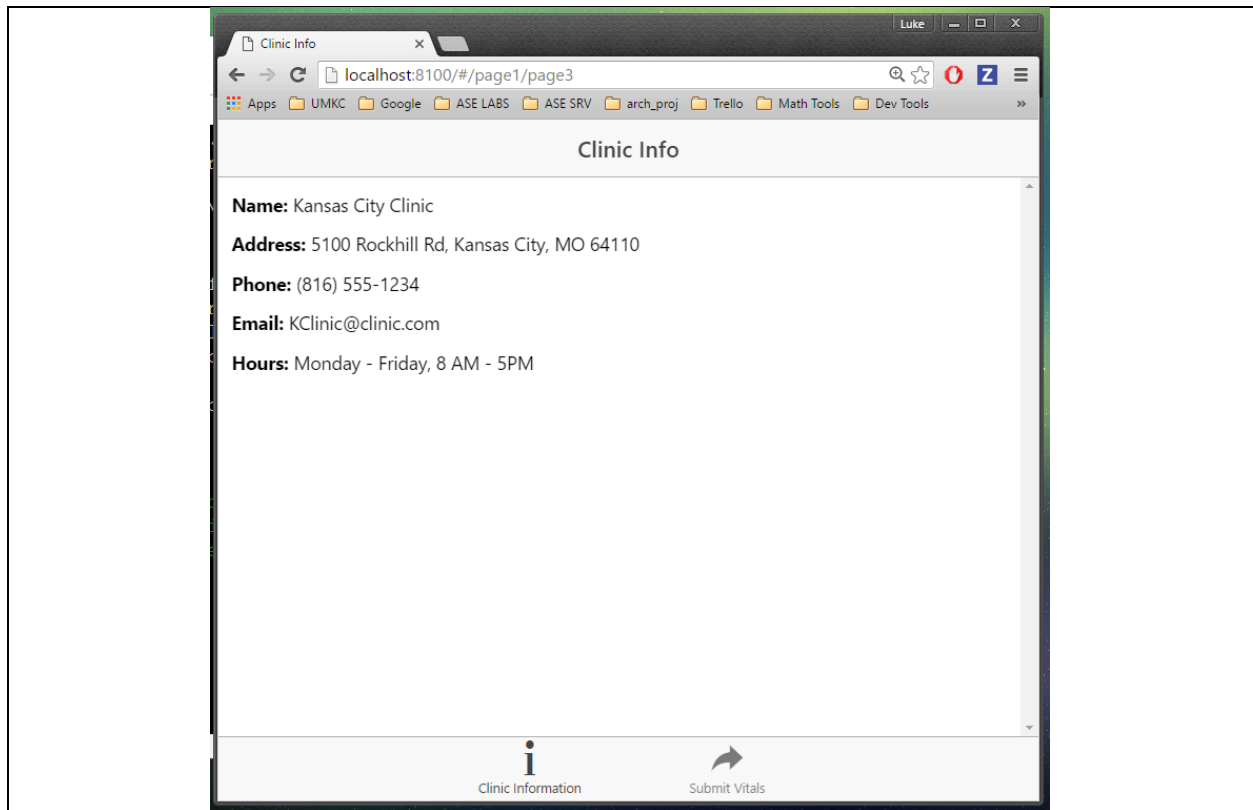
This lab emphasized the power of the ionic framework.

I also created three unit tests using the Jasmine and Karma testing services for angular.

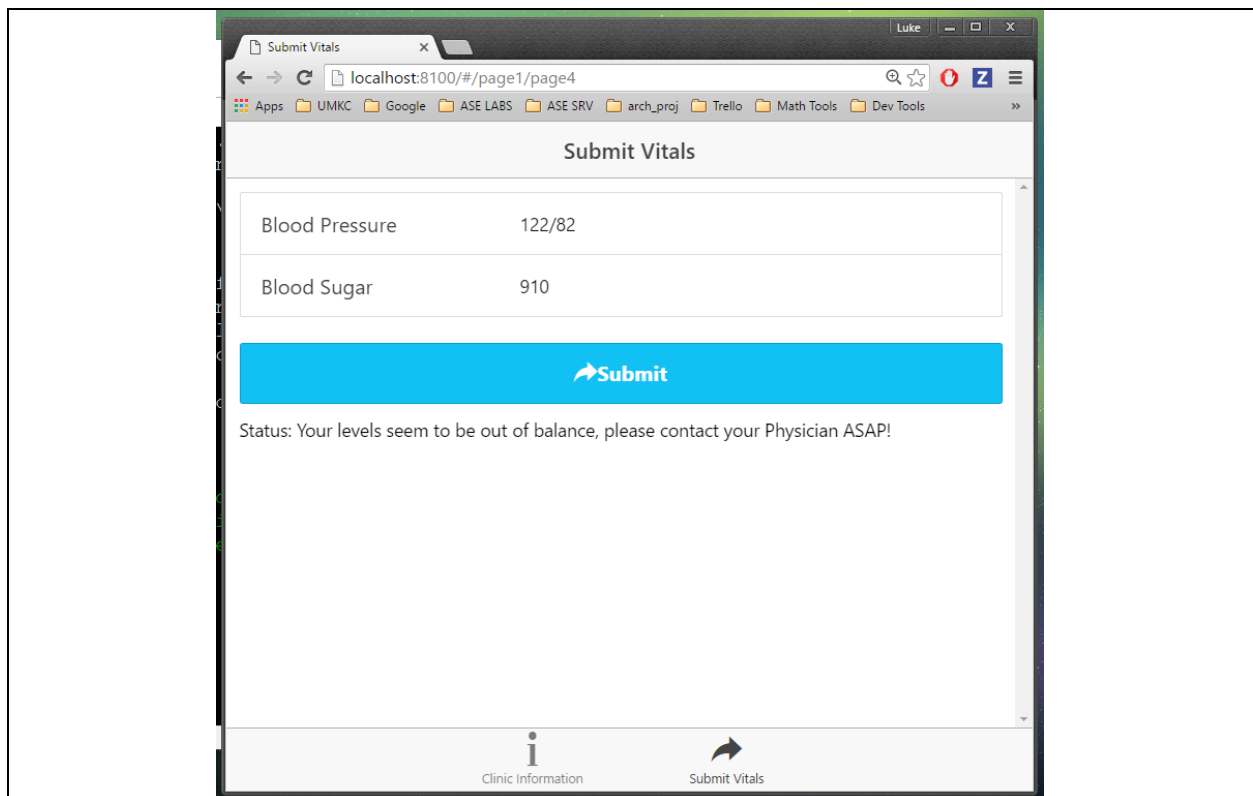
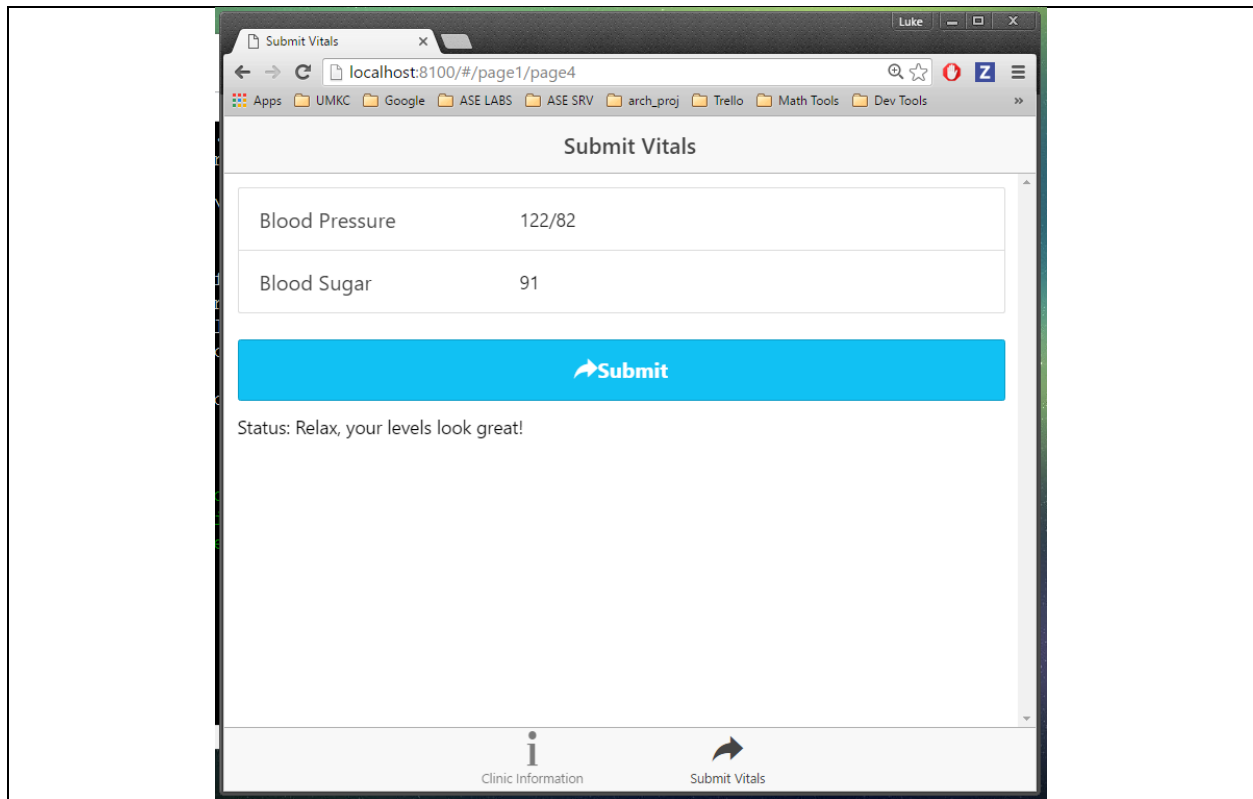
Android Implementation:



Web Implementation:



Web Implementation (continued):



Unit Tests:

```
1 describe('vitals control test', function(){
2   beforeEach(module('app.controllers'));
3   var $controller;
4
5   beforeEach(inject(function(_$controller_){
6     $controller = _$controller_
7   }));
8   // tests start here
9   describe("submitVitalsCtrl", function(){
10    it("test the value success", function(){
11      var $scope = {};
12      var controller = $controller('submitVitalsCtrl', {$scope: $scope});
13      expect($scope.giveResponse("success")).toEqual("Relax, your levels look great!");
14    });
15  });
16
17  describe("submitVitalsCtrl", function(){
18    it("test the value fail", function(){
19      var $scope = {};
20      var controller = $controller('submitVitalsCtrl', {$scope: $scope});
21      expect($scope.giveResponse("fail")).toEqual("Your levels seem to be out of balance, please contact your Physician ASAP!");
22    });
23  });
24
25  describe("submitVitalsCtrl", function(){
26    it("test the value fail", function(){
27      var $scope = {};
28      var controller = $controller('submitVitalsCtrl', {$scope: $scope});
29      expect($scope.giveResponse("")).toEqual(null);
30    });
31  });
32
33  });
34
35  });
36
37  });
38
39
40
```

```
Console2 - karma start karma.conf.js
File Edit View Help
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Console-2.00b148-Beta_32bit\Console2>cd C:\Users\ljm7b\Documents\advSftwrEngnrTest\Source\LAB_8_IONIC\LAB_8

C:\Users\ljm7b\Documents\advSftwrEngnrTest\Source\LAB_8_IONIC\LAB_8>karma start karma.conf.js
11 03 2016 19:44:56.055:WARN [karma]: No captured browser, open http://localhost:9876/
11 03 2016 19:44:56.069:INFO [karma]: Karma v0.13.22 server started at http://localhost:9876/
11 03 2016 19:44:56.072:INFO [launcher]: Starting browser PhantomJS
11 03 2016 19:44:57.694:INFO [PhantomJS 2.1.1 (Windows 8 0.0.0)]: Connected on socket /#3vz5hKBYPk8SX402AAAA with id 21697001
PhantomJS 2.1.1 (Windows 8 0.0.0): Executed 1 of 3 SUCCESS (0 secs / 0.003 secs)
PhantomJS 2.1.1 (Windows 8 0.0.0): Executed 2 of 3 SUCCESS (0 secs / 0.003 secs)
PhantomJS 2.1.1 (Windows 8 0.0.0): Executed 3 of 3 SUCCESS (0 secs / 0.003 secs)
PhantomJS 2.1.1 (Windows 8 0.0.0): Executed 3 of 3 SUCCESS (0.01 secs / 0.003 secs)
Ready
```