CIS 5400: Mobile Application Programming

MidTerm Project

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**Instructions:**

Write a small mobile application using at least 2 of the mobile functions we've studied so far.

Your app should include a paragraph about:

* what it does,
* what interface libraries you are using (JQuery Mobile, etc),

and the code.

Include screen shots of the program working and paste it into the word document.

**Midterm Project**

I created a Cardio Tracker Application.

This application came out of my own need for an easy way to track my total cardio time per week.

With this app I can take a quick picture of my cardio stats and then update it later.

I have a picture to refer back to so I won’t forget.

My Application is a Cordova and JQuery Mobile App with:

* Cordova Events
* Cordova Camera
* Cordova console
* Cordova dialogs
* jQuery Mobile header
* jQuery Mobile footer
* jQuery Mobile list
* jQuery Mobile text box (dialog box),
* jQuery Mobile buttons
* jQuery Mobile form

I included these libraries:

* <link rel="stylesheet" href="http://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
* <script src="http://code.jquery.com/jquery-1.11.3.min.js"> </script>
* <script src="http://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
* <script type="text/javascript" charset="utf-8" src="cordova.js"></script>

Cordova first gives a message to let the user know the app is read (deviceready).

The first page allows the user to take a picture of their Cardio stats.

The picture is saved to the album so they can access it later if they want to update their data later.

The user can then select from a list the day they want to enter their stats.

They also have the ability to search the list for the day.

When they select the day, they are presented with a second page.

On the second page, they have the option to select a photo to see their stats.

They can then enter:

* A note (text)
* Time (integer)
* Calories (integer)
* Distance (integer)

There is a button to Submit/Save their results.

Saving data is currently not enabled.

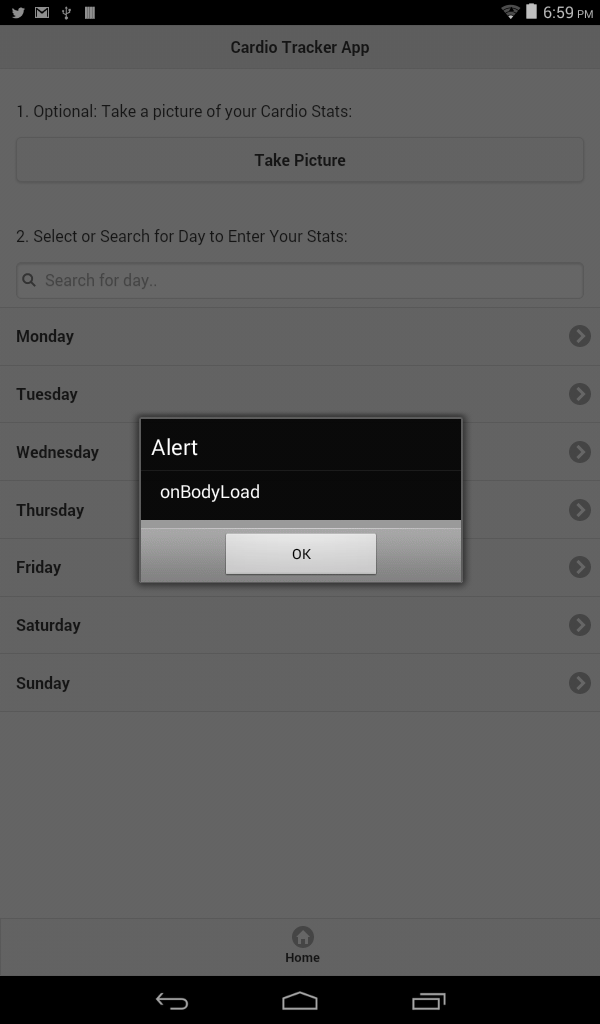
They can then return to the home page or exit if they close it.

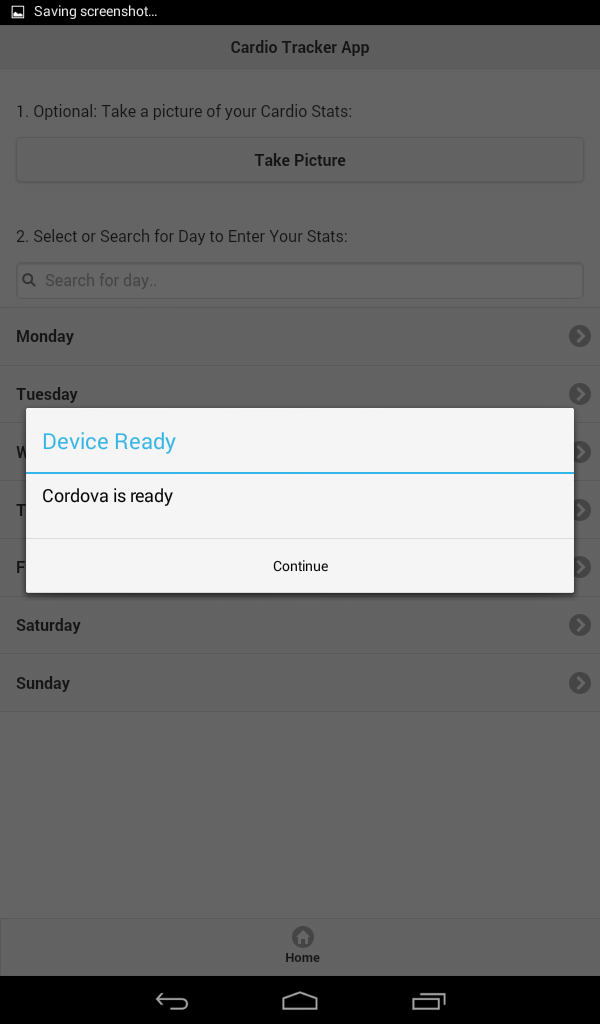
**Future Enhancements:**

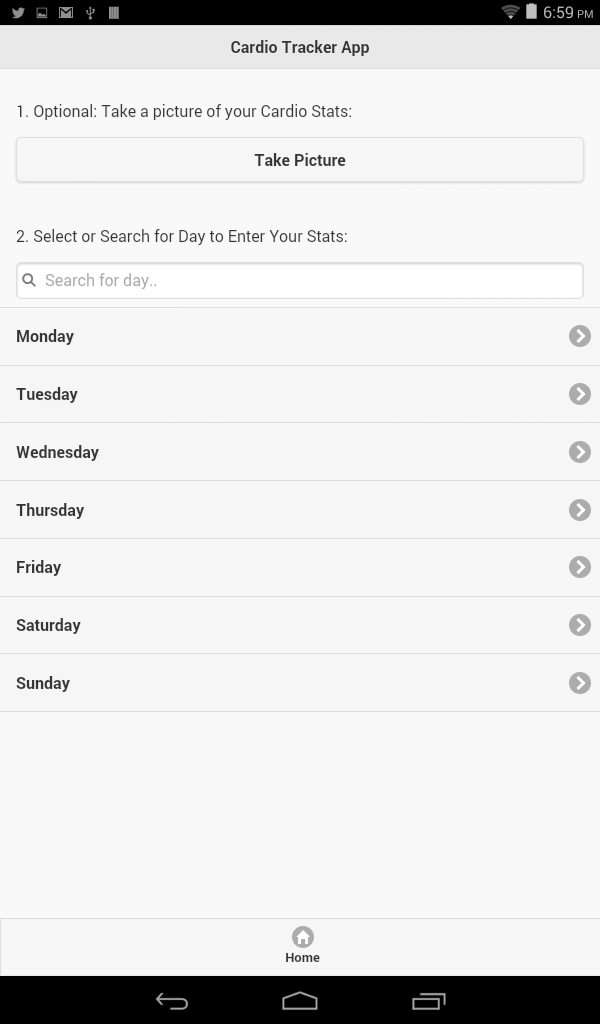
* Saving data to a file that can be reloaded/ updated.
* Displaying the total Cardio minutes/week.
* Displaying the total Distance/week.

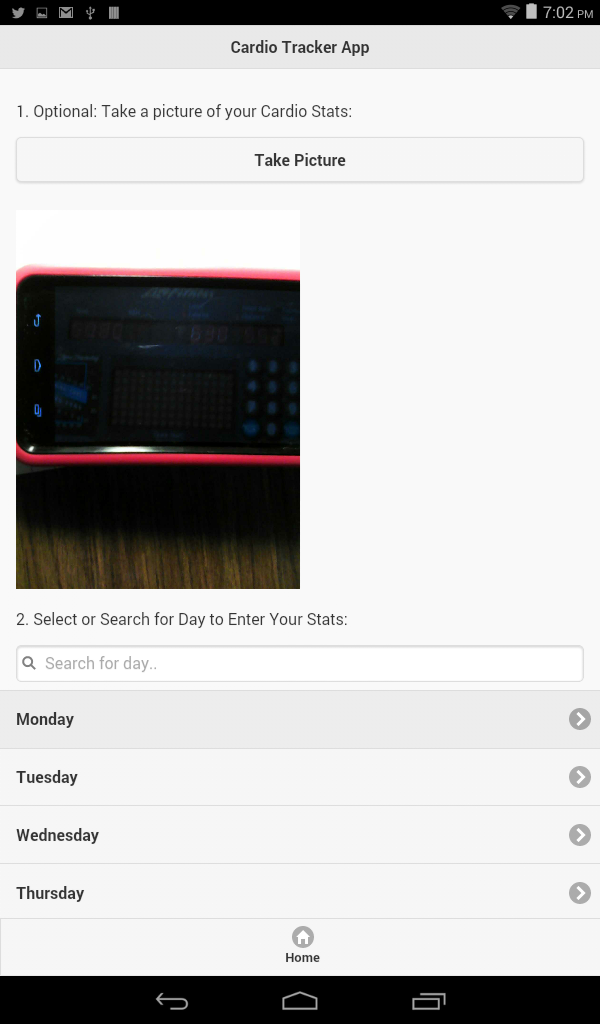
**Resources Used:**

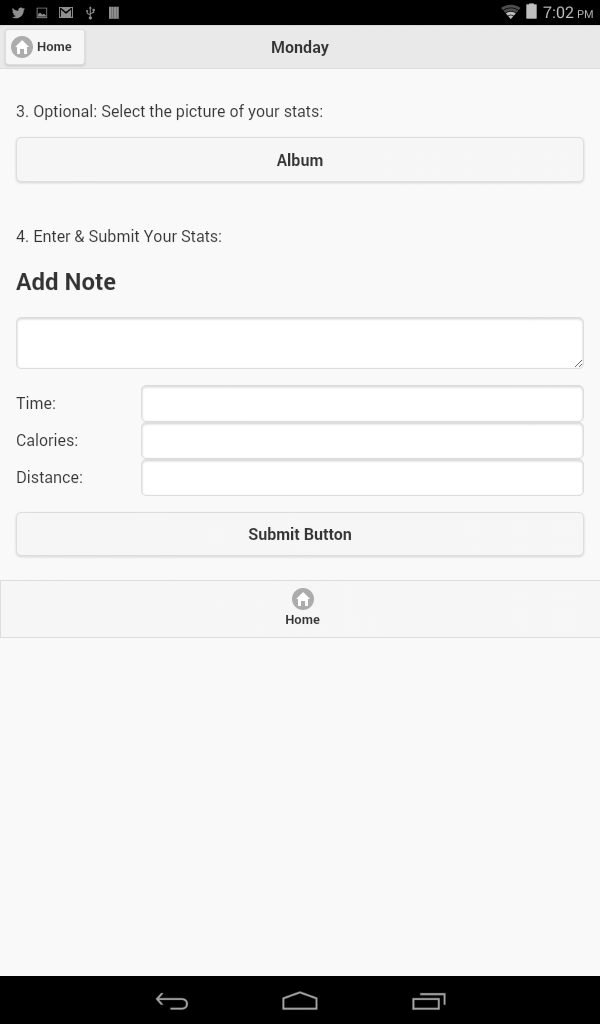
* Book examples: Apache Cordova API Cookbook by John M Wargo
* <http://www.w3schools.com/jquerymobile/jquerymobile_filters.asp>
* <https://demos.jquerymobile.com/1.2.0/docs/toolbars/docs-navbar.html>
* <http://www.jefflinwood.com/2011/07/building-a-jquery-mobile-html5-app-with-phonegap-for-drupal-7-part-2/>
* <http://iviewsource.com/codingtutorials/5-minute-guide-to-a-mobile-app-with-jquery-mobile/>
* <http://www.ripperdesignandmultimedia.com/2012/09/06/jquery-mobile-use-phone-camera-using-cordova-2-0/>
* <http://www.gajotres.net/building-a-native-mobile-app-with-cordova-and-jquery-mobile/2/>
* <http://www.codeproject.com/Articles/896792/Uploading-Displaying-Images-in-a-JQuery-Mobile-App>
* <http://www.sitepoint.com/build-a-currency-converter-with-jquery-mobile-and-cordova-rate-updates/>
* <http://www.raymondcamden.com/2013/07/23/better-example-of-phonegap-parse-and-uploading-files>
* <http://samcroft.co.uk/2013/using-localstorage-to-store-json/>

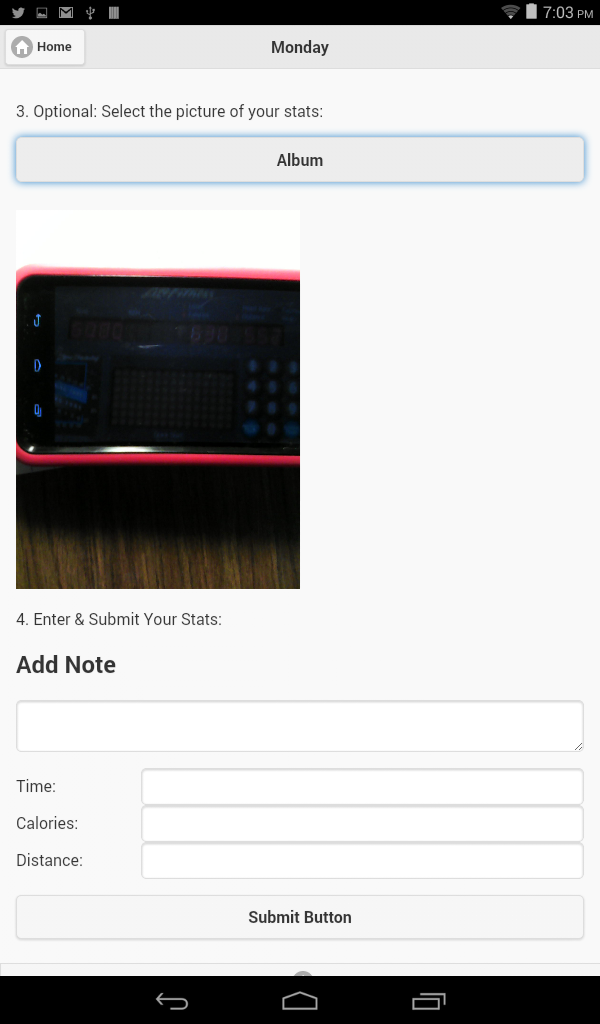


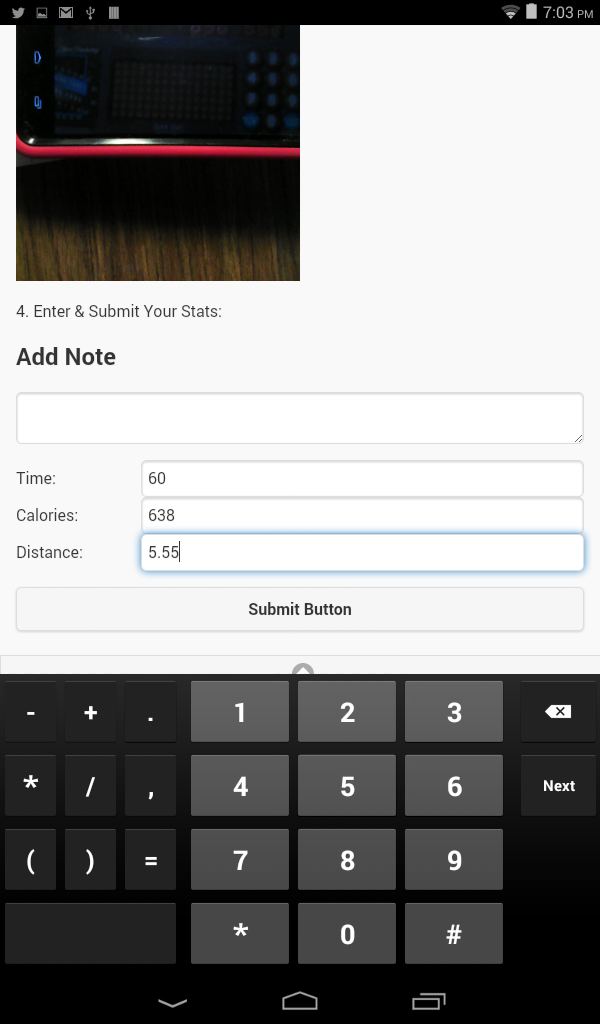








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