CS220 Fall 2016

HW2: Interactive STEM Passport

<mark>Due: 10/17 at 11:59 pm</mark>

In this team assignment you will **work with a partner** (who is not on your project team). You will use HTML5, CSS, and JavaScript to implement a simple interactive mobile interface called STEM Passport.

STEM Passport is a web app that provides information about a distinguished woman scientist (or technologist). It should present a name, date of birth, scientific field, major accomplishments, picture (or drawing), home country and major countries (or cities) of activity.

Feel free to consult this resource about 50 women science pioneers: http://www.readwomeninscience.com/resources/

Your user interface should include at list 4 **different pages** and **at least 5 interactive features**. For example, your user interface could include buttons, sliders, images, a dialog box, a text field, and a combo box. In addition, your interface should include **a Google Map**.

The webapp should be styled and behave like a native app. That means that it should open all links within the app, and when possible apply the iOS look and feel. In addition your interface design should apply at least some of the **8 golden rules**. For this assignment, you should not use jQuery Mobile.

Recommended Reading:

The following readings might be helpful while working on your assignment:

• CS220 labs 1, 2+3, and 4.

• Learn HTML5 and JavaScript for iOS Chapters 2, 3

• Head First HTML5 Programming Chapters 2,3,4

What to Hand In:

To complete this assignment upload your project files to your CS account. Then, add the url of your webapp to the following Google Doc. Also, add a url to a readme file that describes the inspiration for your STEM Passport user interface design and describes how your interface design applies the 8 golden rules. In addition, add a link to a zipped file (shared with the instructor) with all your project files (including photos):

https://docs.google.com/spreadsheets/d/1KsaWFHQpYhBBfMmpVWTjgwyF-8NBimc0mai7OXyKfSc/edit#gid=0

Grading:

The assignment is graded out of 10 points as follows:

• Working application with all required content and interactive features: 7pt.

• Application follows some of the 8 golden rules and iOS look and feel: 1.5pt.

• A notably creative application that is aesthetically pleasing and contains features that go be yond the minimum requirements: 1.5pt.