Hybrid Mobile App Development
Lesson 2

Review
What is a program?
- A Program is a list of instructions that, when executed, cause computers to behave in a predetermined manner.

What is an app?
- An application is any program, or group of programs, that are designed for the end user.

What is a web app?
- An application that runs in a web browser

What is a mobile app?
- An application that runs natively on mobile phones.

What is a hybrid mobile app?
- An application that uses web programming techniques, like javascript, but runs on a mobile phone.

What are the main 3 things that we learned about last week?
- Html: how a page is laid out.
- CSS: how a page is styled
- Javascript: how a page should react to various forms of input
    - Ex: what to do when a user clicks a button

Challenge
- Which of the 3 languages would we use if we wanted to click a button and have something happen?
    - Javascript
- Which … click a button and have the header on a page turn blue?
    - Javascript and CSS
- Which … click a button and have an italicized paragraph appear at the bottom of the screen?
    - Javascript, CSS and HTML
- Point: Although all 3 of these languages control a unique part of the web page, they at every point in front end web development will work together to collectively accomplish the task that you have in mind.
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Intro
Today is the first day that we are going to actually get our hands dirty and into some code. We are going to create the rock paper scissors project that I demoed last week. In order to do this, I am going to type up on screen and we are going to together create this project.

HTML
What are the key parts to an HTML document?

- <!doctype html>
- <html>
- <head>
- <body>
  - <p> <h1> exc…

CSS
Where do we put all of the css for our project?
- Inline within our html tags.
- Inside the <head> tags in its own <style> block
- What is a class?
  - Css classes are ways for you to identify different elements on a page and apply styling attribtues to them

Javascript
Where do we put our javascript in a single page application list this?
- @ the bottom of the page. We enclose all of our javascript in <script> tags

HTML Demo
1. Start by opening up our text editor and web browser
   a. We used text edit and Google Chrome because that is all that we had on hand, but we will be using Sublime 2 in upcoming lectures.
2. Created a skeleton HTML document including title, header and paragraph
3. Added a HTML form with a text input and submit button
4. Ran alert function on page load
5. Placed alert function inside of a new function and witnessed that it was no longer run at page load
6. Called our new function on page load to witness the alert again.
7. We then removed the on page load call and attached attached the function to a form submit button to allow for page interactivity
8. Next week we will be using this form and our learned function usage in order to create a basic calculator.