Class 1

Javascript
- It is different than java
- You need to know a little html to write javascript programs
- HTTP: Hyper-Text Transfer Protocol
  - To get information from your web browser is that you send a request to their server and the server sends you back a response which is the webpage that you want.
    - Example: you search something on google.com in your web browser. Google's web server sends response back to browser which is your search results
  - The protocol is what defines very clearly to the server what the specific request is and what format you want the response to be in.
  - HTTP is the protocol for communicating between the server and the browser
  - It all happens under the hood. We don't really care how it works as long as it's working fine and you get the data you want. So it's not so important to US how it works
- HTML : Hyper-Text Markup Language
  - Format in which web data is stored
  - Videos, text and images can all be saved as hyper-text on a server

- Javascript
  - Is a program inside of the HTML format that comes to your web browser and is executed on your browser.
  - To run a program on your webpage you need to write it in javascript
- XHTML
  - Is a stricter cleaner version of html
  - Everything must be in lowercase
  - Values must be quoted
  - Must have one root element
  - Still follows the same principles of writing regular html
  - You can access any html tag using its html id
- You can write a webpage
- Dynamic HTML
  - When things change dynamically as you click on them on webpage
  - CSS- Cascading Style Sheets
    - To present data
    - You can create formats that will be applied to different headings. For example, you can define the font, color and font size for every word with that tag (like inside of <h> or <p>)
    - You put these inside of your html document
  - HTML DOM
    - Ability to access and change html elements
  - Javascript
    - Run scripts for various purposes
      - Running scripts, creating cookies, animation, etc.
    - You put this script inside of the html document. Tag is <script>

- HTML Forms
  - You can make a form that needs to be submitted using html form tag
  - Useful to send information from web browser to server
  - You make a function called onsubmit which calls the onSubmitFn which tells it what to do when you hit submit. Write this in javascript
  - Later we will talk about how to define these functions to act after you write submit