### Unit 1 Seminar - David A.

* **Introduction**
  + My background and experience
  + Some computer history!
    - The abacus, multiplication manuals.
    - The first transistor by william shockley
    - Linus
    - Stallman
  + Who makes all these rules?
    - W3C
    - Browsers, and standards
    - Variety of devices that use the web (phones, kindle, text-to-speech, touchscreens, laptops, desktops, search engines, etc)
  + Questions will be taken at the middle and at the end!

**Note: The majority of these learning topics will be covered by going through the relevant exercises live on Codecademy while also having some discussion as this is the environment the users are most comfortable with.**

* **Learning Standard:** [Set DOCTYPE and understand its purpose](https://www.codecademy.com/courses/freelance-one-unit-1/lessons/intro-html/exercises/doctype)
  + How does the browser know how to render the file?
  + Extensions have nothing to do with it
  + List of valid DOCTYPE declarations: <https://www.w3.org/QA/2002/04/valid-dtd-list.html>
* **Learning Standard:** [Format HTML based on nesting](https://www.codecademy.com/courses/freelance-one-unit-1/lessons/intro-html/exercises/indentation)
* Why are style standards important?
  + Illustration of cables, good vs bad
  + Tabs and spaces; why make the distinction?
    - Tabwidth
    - Other languages, like Python
* **Learning Standard:** [Define metadata and set any in HTML](https://www.codecademy.com/courses/freelance-one-unit-1/lessons/intro-html/exercises/html-head)
  + Metadata -- commentary and instructions about the current document
  + Search engines, browsers, etc
  + <title> (they’ve used this already)
  + <link> (we’ll get to this later)
  + <script>
  + <base>
  + <meta> tag
    1. name=charset
    2. name=keywords
    3. name=viewport
    4. name=whatever
* **Midpoint Q&A, Scroll up to the top and address any relevant questions that have come up!**
* **Learning Standard**: [Format HTML using <p>, <span>, and <div>](https://www.codecademy.com/courses/freelance-one-unit-1/lessons/common-elements/exercises/text-content-tags)
  + Block elements (p, div)
  + Inline elements (span)
  + Beware of divitis
  + Stay semantic
    1. Examples
    2. Screen readers
    3. CSS development
    4. Web crawlers
* **Learning Standard**: [Link to local HTML files using relative urls, i.e. <a href="../about.html"></a>](https://www.codecademy.com/courses/freelance-one-unit-1/lessons/common-elements/exercises/linking-relative)
  + a = “anchor”
  + href = “hypertext reference”
  + symbols
    1. Slashes
    2. Forward slash or backslash?
    3. What does . mean?
    4. What does .. mean?
    5. Is there a … ?
  + Works with everything where you reference another file; doesn’t have to be an <a> tag
* **Learning Standard**: [Link to other elements on the same HTML page, i.e. <a href="#about"></a>](https://www.codecademy.com/courses/freelance-one-unit-1/lessons/common-elements/exercises/linking-same-page)
  + Live code HTML document creation for elements of
* **Give resources @ https://github.com/webnard/codecademy-seminar-1**
* **End-of-session Q&A**
* **Icing on the cake**
  + Setting up Github Pages
  + Optional tags, <br> <hr>, <center> (deprecated!)

* Stop streaming both YT and OBS
* Take survey