Lesson:HTML Elements & CSS

September 12, 2018

HTML Responsive

- Responsive website means which is compatible with all devices, and adjusts according to device
- Lab 3 we wrote two HTML pages, are they responsive ?
- HTML offers capabilities to make the website responsive.
- A web page should look good on **any device**! --- W3 Schools
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">`
  - Always add this HTML element in all your webpages from now to make it responsive

HTML id and Class

- HTML id attribute gives us liberty to identify the HTML element in the webpage
- In a webpage all HTML elements can have only one unique id (<h1 id="CISt1300">CIST1300</h1>)
- Class names need not be unique, all elements in HTML web page can have same class name (<h2 class="CIST1300">CIST1300</h2>)
- When to use id and when to use Class ?

CSS

- CSS- Cascading Style Sheet
- CSS can help us describe how HTML elements can be described
- CSS -provides portability feature, write once use multiple times.
- Redundancy --- Enterprise doesn't like, if you write redundant codes, it means you are not professional developer.
- Any language you code, remember don't copy or have redundant code

CSS - HTML

- How to add CSS in HTML-- 3 ways
  - Inline -- (<h1 style="color:blue;">This is a Blue Heading</h1>)
    - Not recommended unless you just need for one HTML element
  - Internal -- (<style>body {background-color: powderblue;}h1   {color: blue;}p   {color: red;}</style>)
    - It is ok to have this, provided you just have one web-page
  - External -- <link rel="stylesheet" href="styles.css">
    - Enterprise prefer external way, They expect developers to write clean code, again write one style sheet and use it for all your webpages

CSS Demo

- Class Demo-- We will try Padding, border and Fonts
  - I will push the demo examples in github repo, inside module folder after class

CSS Versions

- CSS version 4 was released on March 2017
- Faster than previous version
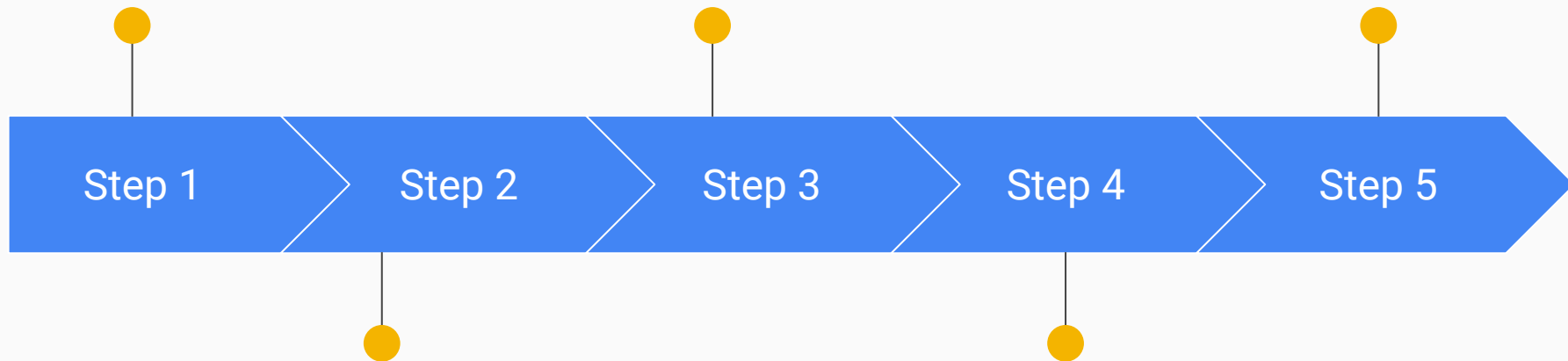- Designed for websites to look good on smart devices

Lab 4 --Outline

- Lets update our HTML elements from our Lab 3 by giveing each element an id or class.
- Let's make it responsive
- Add a Style sheet -- choose anyone style, I prefer the external one, as Enterprise loves to keep CSS seperate
- Be creative start using CSS styles for your HTML elements
- Always remember to Sync with your Git

Copy Lab 3 and create a new folder Lab 4.

Add CSS stylesheet --Choose whichever method you like to add

Push your changes to Git and write Lab 4 reflection in Slack channel

Step 1

Step 2

Step 3

Step 4

Step 5

We will still use two pages from our previous labs, and update their HTML elements with id or class

Be creative, and add CSS styles