WAP Midterm Review

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On **W1D1** of the course was about layers of the web, structure of a web page and different types of text, lists, tables and HTML tags in general. Key topics like difference between internet and world wide web, different protocols in web environment and port numbers discussed.

**W1D2** was about Cascading Style Sheet. Different CSS selectors like class, id etc. and different ways of CSS implementation like inline and external file are discussed. We also explored a number of CSS properties like background-color, border, margin, font-family, font-size and so on.

On **W1D3** of the course, we learned about the box model where we explored details about element height, width, border, padding and margin. We then also learned about element positioning like static, relative, absolute, fixed and floating.

**W1D4** was mainly about responsive design and HTML forms. We discussed about the use of media query and how to develop a page whose layout changes based on screen size. We also learned about HTML forms and the GET and POST methods.

**W1D5**, we learned basics of JavaScript. This includes JavaScript concepts and basic syntaxes. We also discussed introductory concepts about the DOM API.

On **W1D6** we discussed details about the DOM API, different properties and methods found within each global DOM object. It is also in the same schedule that, we learned about Unobtrusive JavaScript which is about principles of writing JavaScript code without having much CSS in it, separation of concern, and JavaScript timers.

**W2D1** was about functional programming aspect of JavaScript. We learned things like map, filter, reduce and other additional functional programming methods like forEach. After functional programming we explored topics such as Rest and Spread, and Regular expression.

On **W2D2** we learned about JavaScript scopes, scope chain, two pass compiler and closures. We discussed with different examples about the hoisting and execution steps of JavaScript. Concepts about closure and free variables also discussed in the same day.

**W2D3** was about JavaScript Objects, the keyword this and Module and IIFE. Concepts about how to create, add properties and methods to objects, and the keyword ‘this’ are discussed. Then we learned the module pattern and IIFE with examples.

On **W2D4** of the course, we learned about inheritance in JavaScript! We learned concepts how to implement Prototypal Inheritance, Constructor Operator, and how to use the property prototype to define object functions and.\_\_proto\_\_ to link objects.

**SCI Connection:** The main purpose of inheritance is to promote code reuse and avoid

duplication. Reuse of code for common tasks is efficient and avoids errors that can arise from inconsistent updates of duplicated code. Likewise, natural law takes the path of least action. Do less and accomplish more.