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Week 1 day 1 VCS Summary

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WEB – 802

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The first class of Web 802 is an introduction of the installation of the coding software, the definition of front, back, and full stack, the languages we would experience including HTML, CSS, and JavaScript, also with some basic element knowledge of HTML.

Main Class Content Review

Firstly, the coding software we are using for this boot camp is VS Code. This is a free tool for coding quickly.Within the VS Code, we could code in different programming language such as Python, Java, HTML, CSS, and JavaScript without changing different editors. It would be used as one of my main coding editor through the whole coding boot camp.

Secondly, the class talks about web services, which includes various software, application, cloud technology to interact with data. There are a few different types of web services, which includes XML-RPC, UDDI, SOAP and REST. API is a set of commands and functions which also used to retrieve data. One important relations between web services and APIs is that all web services can be APIs but not APIs can be web services.

Thirdly, the class introduced the Front End and Back End. The Front End refers to all elements that at the front view of a website, which is a result of HTML, CSS, and JavaScript. The Back End focuses on host, retrieve, update and remove contents of an application.Then, the Full Stack works cross-functionally through the front and the back.

Fourthly, the basic knowledge of HTML, CSS, and JavaScript was introduced. HTML helps to build the basic structure of sites, and CSS and JavaScript help to improve and enhance the website experience. CSS controls presentation, formatting, and layout of websites. JavaScript is also known as behavioral language as it is used to control the behavior of elements in the sits.

Fifthly, a few HTML elements are introduced in the class. Elements like <header>, <nav>, and <footer> are very common HTML elements. The block elements don't allow other elements to show in the some line, and the inline elements allow this situation. ID and Class are used to let element get identified by CSS and JavaScript. ID is non-repeatable and Class is repeatable. There are some common block elements like <div>, <h1>, <p>, <table> and <form>. There are also some common inline elements such as <img>, <href>, <br> and so on. Moreover, comments can be marked with "<!-- -->" and even deactivate codes.

Conclusions

In this class, I started my progress with the front and back end coding. VS Code and Github would be applied as my main tools to learn coding with HTML, CSS, and JavaScript. Moreover, basic element knowledge is learned and would be used in the future homework and modules.

Reference

HTML Tutorial. (2022). https://www.w3schools.com/html/

HTML Tutorial. (2022). https://www.tutorialspoint.com/html/index.htm

References

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