# **Week 4 Day 2 VCS Alternative Assignment (VCSA)**

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# WEB 601

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# **Week 4 VCSA Assignment**

This VCSA focuses on the essentials of JavaScript, particularly its interaction with the Document Object Model (DOM), highlighting how JavaScript can manipulate HTML and CSS to create dynamic web pages. The class slides provided a comprehensive overview of DOM manipulation, event handling, and practical examples to illustrate these concepts.

**Main Class Content Review**

The class introduced the concept of the DOM, a programming interface that allows JavaScript to interact with HTML and CSS. It emphasized the importance of understanding how the DOM represents the structure of a web page, enabling developers to create, modify, and delete elements dynamically. Key methods and properties for DOM manipulation were discussed, alongside examples demonstrating how to respond to user actions through event handling.

**Responses to Professor Questions**

I have completed all the in-class exercise and all the group challenge work.

GitHub link:  
<https://codepen.io/Qianshi-Kong/pen/XWGYmdy>

<https://codepen.io/Qianshi-Kong/pen/LYarpNw>

<https://codepen.io/Qianshi-Kong/pen/mdoKeEP>

<https://codepen.io/Qianshi-Kong/pen/dyrKYJY>

<https://codepen.io/Qianshi-Kong/pen/yLwEYpx>

<https://codepen.io/Qianshi-Kong/pen/gOEKaKR>

<https://codepen.io/Qianshi-Kong/pen/YzgvyOG>

<https://codepen.io/Qianshi-Kong/pen/WNmyQgJ>

<https://codepen.io/Qianshi-Kong/pen/oNVyjmL>

<https://codepen.io/Qianshi-Kong/pen/xxBzwBG>

<https://codepen.io/Qianshi-Kong/pen/YzgvygN>

<https://codepen.io/Qianshi-Kong/pen/KKEedEr>

**Future Use**

The knowledge of DOM manipulation and event handling is crucial for my future career as a software engineer. Understanding these concepts will allow me to create more interactive and responsive web applications, enhancing user experience and engagement.

**Conclusions**

The lesson on JavaScript and the DOM has significantly deepened my understanding of web development. It has equipped me with the skills to dynamically modify web pages, making them more interactive and user-friendly. I look forward to applying these concepts in my future projects.