

Web Development

In these sections, the instructor talked about what are the expected outcomes in taking this course. He also discussed how the internet works and the history of the web. I have learned that although we accessed the internet, wirelessly, through the hub provided in our homes. It is still connected to the Internet through cables.

Sections 4 to 8 discusses about HTML, CSS, and Bootstrap. Those set of sections has already been discussed and introduced to me during my 2nd year of college. Section 9, on the other hand, was the first time I have encountered CSS grid. I have learned in this section that by using CSS grid I can make my website responsive without using a template provided by Bootstrap or other websites that provides free website template. Although you can make your website responsive by simply using CSS, with the help of CSS grid it will be easier for the developer to section the page, ensuring that the website is responsive.

In section 10, I have learned what are the qualities needed when I want to become a Web Developer. One of the qualities and considered as the most important in becoming a Web Developer is to be updated to the changes that are happening in the technology field. I have also learned the different possibilities what are the possible job positions I will acquire if I am to take this path. JavaScript, which was discussed in sections 11 and 13, was a one of the programming languages that I have encountered. So, I did not have a hard time understanding the lesson. DOM manipulation was one of the subjects of web development that I had a hard time understanding, but as he discussed the topic, I immediately understood how it works.

Section 14 was already discussed in Operating Systems Course during my 3rd year in college. Section 15 presented the different IDE that will be useful in developing a website. Some of the videos in section 15 has already been discussed in the previous course. In section 16, it talked about Git which will be discussed on the next course. Lastly, section 17 the instructor discussed what it feels like working as a Web Developer.

Sections 18-20

I have learned that NPM is one of the json packages to be used in creating a web application. By using and installing NPM, I can use React.js in making a web application. As I've watched the video, in creating the User Interface for the web application in React.js, html files are rarely used since the body for the html is usually written in a class extending to React.Component class.

I have learned that there are two types of requests: synchronous and asynchronous. I realized that it is better to use the asynchronous request to enhance the speed since there is no need to reload the page repeatedly. By using AJAX or JSON, used to communicate with the server without refreshing the web, the users will not be idly waiting for all the data to arrive before rendering.

Sections 21-23

In these sections, the instructor provided us different links to an API that might be useful if we want to create our own website. In section 23, we were given an activity to create a web application that detects if there is a face.

Sections 24-27

Node.js and Express.js was thoroughly discussed in section 24. I have learned that node.js is one of the popular tools used in making web application. It is an open-source and cross-platform JavaScript runtime environment. As I researched about node.js, I discovered that a Node.js app runs in a single process which means that it does not create a new thread for every request. It also provides a set of asynchronous I/O primitives. By using Node.js, I can also use to create an asynchronous request.

Section 25 and 27 is the continuation for the activity presented at section 23. I have learned that there are different types of database servers but for starters MySQL is commonly used as a database server.

Sections 28-30

For Web Application Development, there are different ways in doing so. However, most of them ask for monthly payment such as AWS. There is another way in deploying your web application using GitHub Pages.

Sections 31-34

In these sections, the instructor has provided his closing remarks in the course. Before ending it, he discussed about React Hooks and Redux. I have learned that Hooks is a new concept added to react. By using Hooks, it let's us use React without classes.

Also, we can use Hooks multiple times. Redux, on the other hand is a state container for JS apps. It helps the developer in writing application that will behave consistently even if they run in different environments.