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Web-340: Discussion 1.1

Professor Krasso

What is Node.js?

This semester we are beginning to learn about Node.js. While reading *Express in action: Writing, building, and testing node.js applications,* I found a clear answer as to what Node.js is. “Node.js provides a bevy of low-level features you’d need to build an application… Node.js (often shortened to Node) is a JavaScript platform—a way to run JavaScript” (Haan, p.4).

*How is Node.js used?*

A Node.js app is basically a request handler between the user and the JavaScript function.

*What is the difference between Node.js and JavaScript?*

While JavaScript can be confusing for some, Node.js is fast and because of its non-synchronous coding it avoids big dangers. Node.js is most recognized for its ability to share code between the browser and server.

*What is the Chrome V8 engine?*

V8 is the engine that executes JavaScript code when browsing on Chrome. V8 also powers node.js. V8 is constantly being upgraded and evolving to speed up the web.

*What is NPM?*

NPM stands for Node Package Manager (and installer). It is the worlds biggest software registry which contains over 800,000 packages. NPM is free and does not require logon.

*Why is NPM used?*

The best definition/benefits that I found of NPM when researching the topic was posted by RJ Sharma on Quora.com. “NPM is basically a package manager for JavaScript. with the help of which we can Find, share, and reuse packages of code from hundreds of thousands of developers — and assemble them in powerful new ways” (Sharma).

Resources:

Sharma, R. (2018). What is NPM and why should I use? Quora. Retrieved January 1, 2023, from <https://www.quora.com/What-is-npm-and-why-should-I-use>

What is NPM? What is npm. (n.d.). Retrieved January 1, 2023, from <https://www.w3schools.com/whatis/whatis_npm.asp>

The V8 JavaScript Engine. The V8 Javascript engine. (n.d.). Retrieved January 1, 2023, from <https://nodejs.dev/en/learn/the-v8-javascript-engine/>

Hahn, E. (2016). Chapters 1 & 2. In *Express in action: Writing, building, and testing node.js applications* (pp. 3–31). essay, Manning.