WEEK 2 Module 5

NodeJS Fundamentals

Modules and Exports

Know this, every NodeJS file is a module by default. Remember export and import in your JavaScript?

Well, modules and exports handle the same here in NodeJS. The only difference is the NodeJS makes use of the CommonJS library for importing and exporting NodeJS files.

The module is a built-in global object which has the exports object as one of its keys. We push modules into the exports object of the global NodeJS module in order to require them in other NodeJS files.

The concept behind it is simple and will be made clear in the module video.

Intro to Built-in Modules

NodeJS has a set of built-in modules which you can use without any further installation. These libraries can just easily be called, and their functions can be immediately invoked.

Some of these modules includes the

- path module
- fs module
- OS module
- http module
- …and much more

For a compendium of the built-in modules in NodeJS, visit

https://www.w3schools.com/nodejs/ref_modules.asp

OS Module

This is a built-in module in NodeJS that allows you to access information about the operating system you are currently working on. This becomes even essential when you have your code hosted online where you have to idea of what computer is being used by the hosting company.

https://www.w3schools.com/nodejs/ref_os.asp

PATH Module

The path module is yet another built-in NodeJS module and it allows for path manipulation like separation, joining, resolving, and much more. It also becomes useful when we have files hosted in the cloud with no idea of this specific path.

https://www.w3schools.com/nodejs/ref_os.asp