



CHAPTER 13

MODULES



Chapter Breakdown

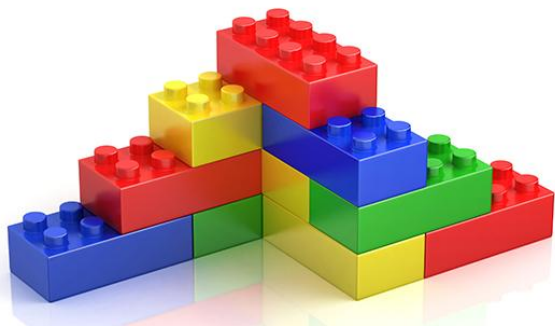
- 13.1 What are Modules?
- 13.2 Require Modules
- 13.3 NPM
- 13.4 Exporting Modules
- 13.5 Wrap Up



13.1 What are Modules?

WHAT ARE MODULES

They are the Legos of programming



- Smaller pieces
 - Connect in different ways to do different things
 - Makes for easier readability and debugging
 - Keeps from reinventing the wheel and keep our code DRY
 - Easier to share with others
-

13.2 Require Modules

REQUIRE MODULES

You must import with the require command

Node keeps track of modules via Package.json

Where to find modules?

- Local file on computer
- Node Core Modules
- External registry
 - Ex: NPM

How does Node know where to look?

- It checks the relative path
 - ./ (searches in current folder)
 - ../(searches in the folder one level up)

Other Modules

- If filename does not start with ./ or ../ then Node checks:
 - Core Modules
 - External resource modules
-

13.3 NPM

NPM

Node Package Manager

- NPM Registry
 - Listing of thousands of modules that can be downloaded and required for your project
- NPM CLI (Command Line Interface)
 - Uses the terminal to install node modules

13.4 EXPORTING MODULES

Exporting Modules

- Every Node.js file is treated as a module
 - Also referenced as a package
- From a file we can export a single function or a set of functions



- To export a single function
 - `module.exports = isPalindrome`
- To export multiple functions

```
Module.exports = {  
  isPalindrome : isPalindrome,  
  evenOrOdd: evenOrOdd,  
  randomArrayElement: randomArrayElement  
}
```

- Node expects only 1 `module.exports` statement
- If you are exporting too many functions then maybe you should look how to make your module smaller and more efficient

13.5 WRAP UP

Wrap up!

- Modules are like functions - the smaller and more concise the better
- NPM is your best friend when finding new modules
- Modules are like legos that help you build complex applications





STUDIO!!

IMPOSTER SYNDROME

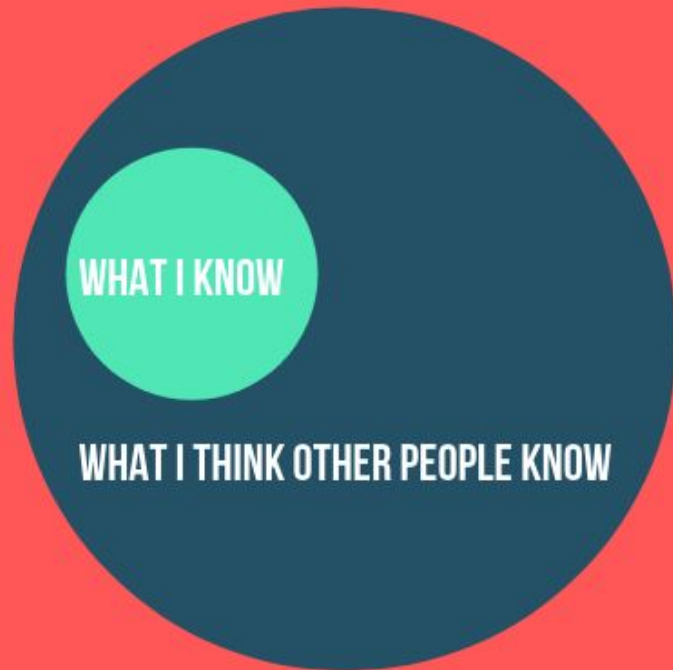
Doubting accomplishments

Fear that success is the result of 'faking it'

Attribute success to luck

RESOURCES ON IMPOSTER SYNDROME

- What is imposter syndrome and how to combat it - Ted Ed
 - <https://youtu.be/ZOUxL4Im1Lo>
- Imposter Syndrome - Ladybug Podcast
 - <https://www.ladybug.dev/episodes/impostor-syndrome>
- Overcoming Imposter Syndrome - Harvard Business Review
 - <https://hbr.org/2008/05/overcoming-imposter-syndrome>



IMPOSTER SYNDROME



REALITY

werkin

HOW I DEAL WITH IMPOSTER SYNDROME

- I keep a list of all the big things that I have learned/done
 - Ex. First solo Production Push 07/29/2020
- I have a weekly meeting with my team lead and I talk about something I learned that week.
- I do a monthly retrospective and see what I have learned over the last month.

TIMES I HAVE DEALT WITH IMPOSTER SYNDROME

- My badge didn't work on our work elevator during my apprenticeship. Had a little bit of a panic attack that they figured out I didn't know what I was doing and fired me.
- I wasn't able to log in to my work computer because of an outage. No one told me it was an outage so I thought they had changed my password to get rid of me.
- I constantly compare myself to other developers even if they have more experience and second guess my abilities