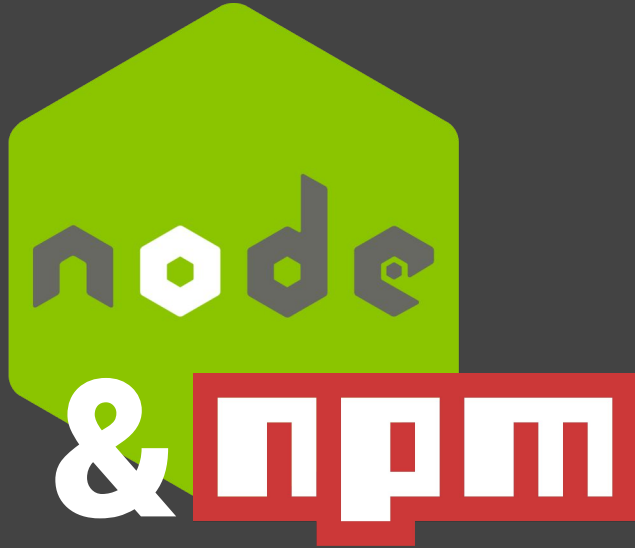


Class Test 🎉

- On paper
- No notes
- 15 minutes





NodeJs & NPM

IMY 220 • Class Discussion

IMPORTANT: Schedule Change

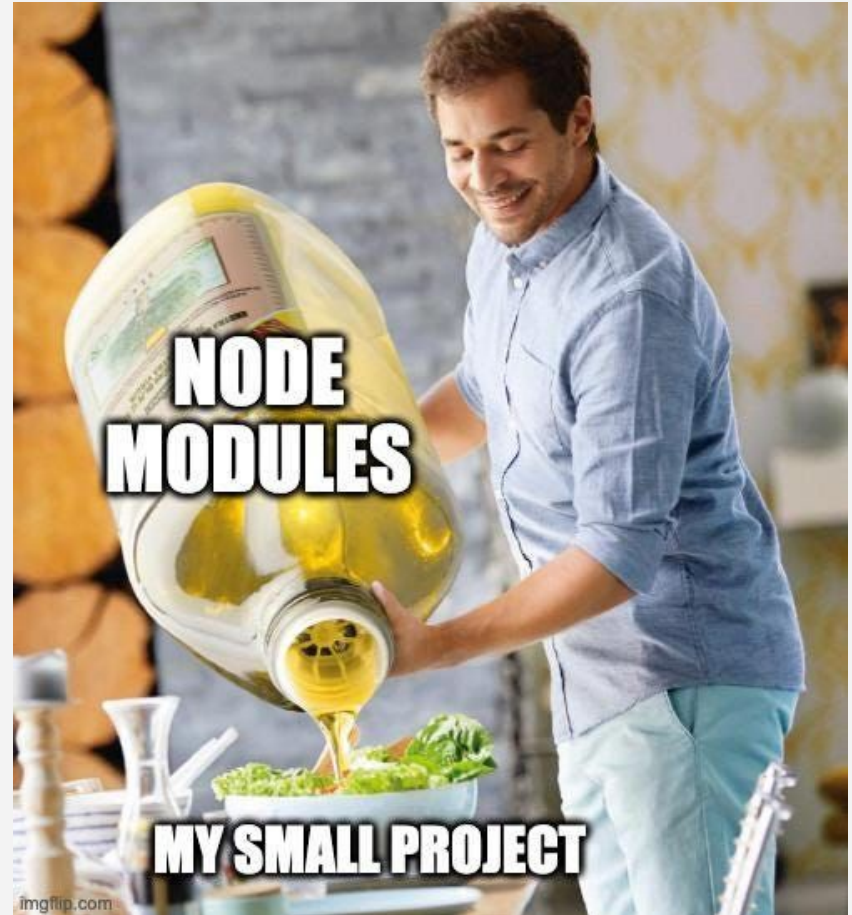
- D1 spec out tomorrow.
- D1 and D2 dates **moved** (extended) to give you more time.
- This means some of the release/due dates for **assignments and practicals has changed as well.**
- **Updated Study Guide** (ClickUP).
- This does **not** mean that you should wait to start working on D1.

Quiz!

- <https://quiz.com/34f6c3de-3410-4249-8418-a1ac168d02d5>

Lecture Recap

- Node & NPM



Lecture Recap - Node & NPM

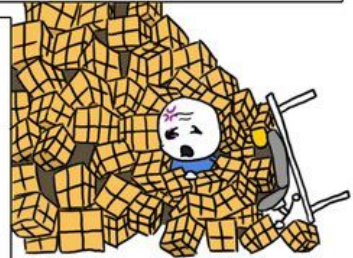
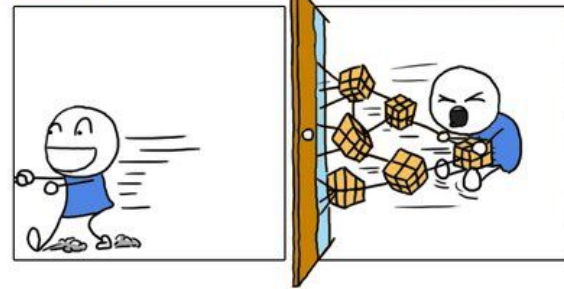
- NodeJs
 - Runtime environment (V8 engine)
 - Allows JS code to run on the server-side
 - Asynchronous events
- Setup
 - **node -v** or **npm -v**
- Simple Web Server with JS
 - Build-in **http** module
 - `.createServer(req, res)`
 - `.writeHead()`
 - `.write() // write strings`
 - `.listen()`
 - **fs** for file management



Lecture Recap - Node & NPM

- Creating and importing modules
 - `module.exports`
 - `const x = require("x")`
 - NPM
 - Package Repository
 - Access to millions of user-created JS packages
 - Pieces of code you can use instead of defining it yourself
 - Create your own packages
- **Why bother?**

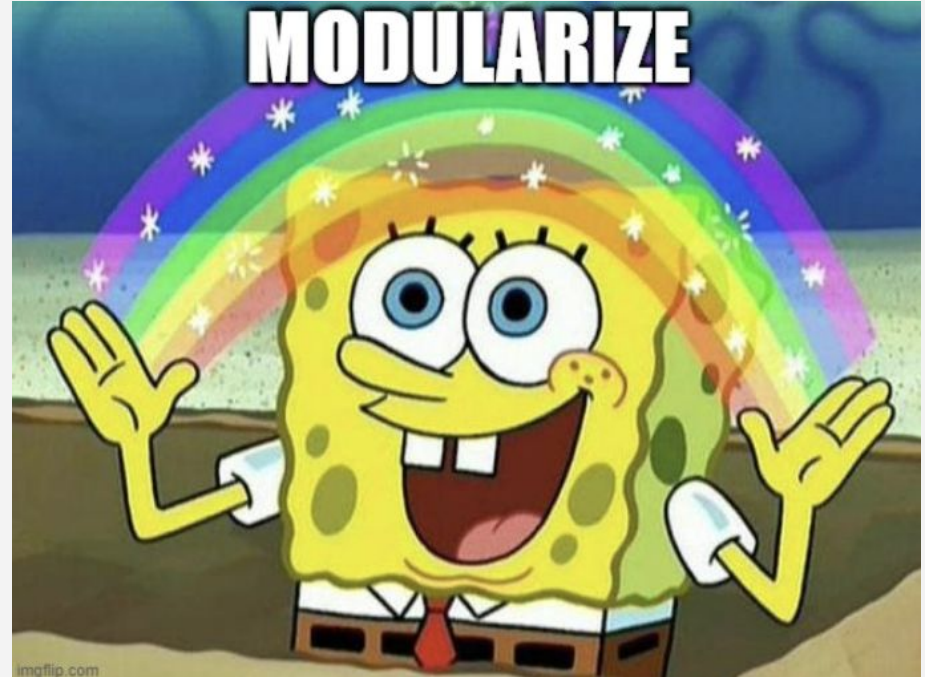
NPM DELIVERY



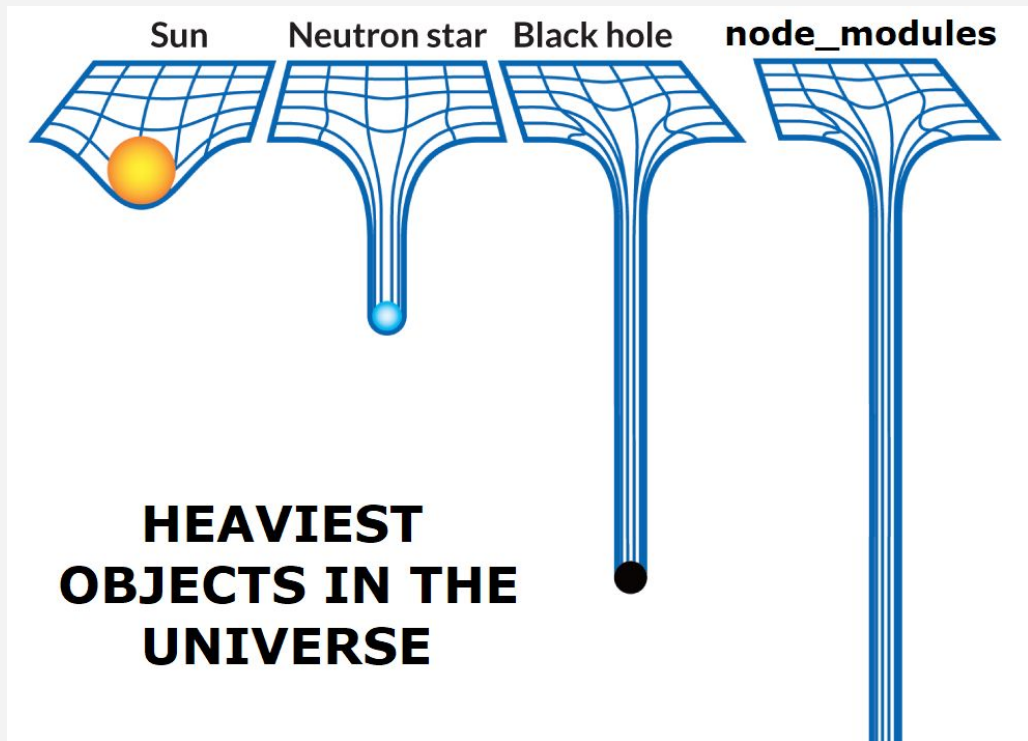
MONKEYUSER.COM

Lecture Recap - Node & NPM

- Modules!!! aka. Packages
 - OOP
 - Pieces of code you can **reuse**
 - **Self-contained** (ideally)
 - **One tool = One job**
- Incredibly important for React
 - Everything divided into components
 - Follows this 'modular' principle
 - Most modern JS frameworks use this approach



Important Points About Modules / Packages



- Do not commit node_modules
- Do not submit node_modules
- Do not .zip node_modules

I do not need your node_modules

- Your marker / user can download all required dependencies through *npm install*

Questions?



$x \% 2 !== 0$

is-odd

npm v3.0.1 downloads 2.3M/month downloads 59M Travis [passing](#)

Returns true if the given number is odd, and is an integer that does not exceed the JavaScript MAXIMUM_SAFE_INTEGER.

Please consider following this project's author, [Jon Schlinkert](#), and consider starring the project to show your ❤️ and support.

Install

Install with **npm**:

```
$ npm install --save is-odd
```

Usage

Works with strings or numbers.

```
const isOdd = require('is-odd');  
  
console.log(isOdd('1')); // => true  
console.log(isOdd('3')); // => true
```

Weekly Downloads
269,847

downloads 2.3M/month

downloads 59M

