



RUTGERS | CODING BOOTCAMP

Session 10.1 - Node and NPM

# Node and npm



# Still.

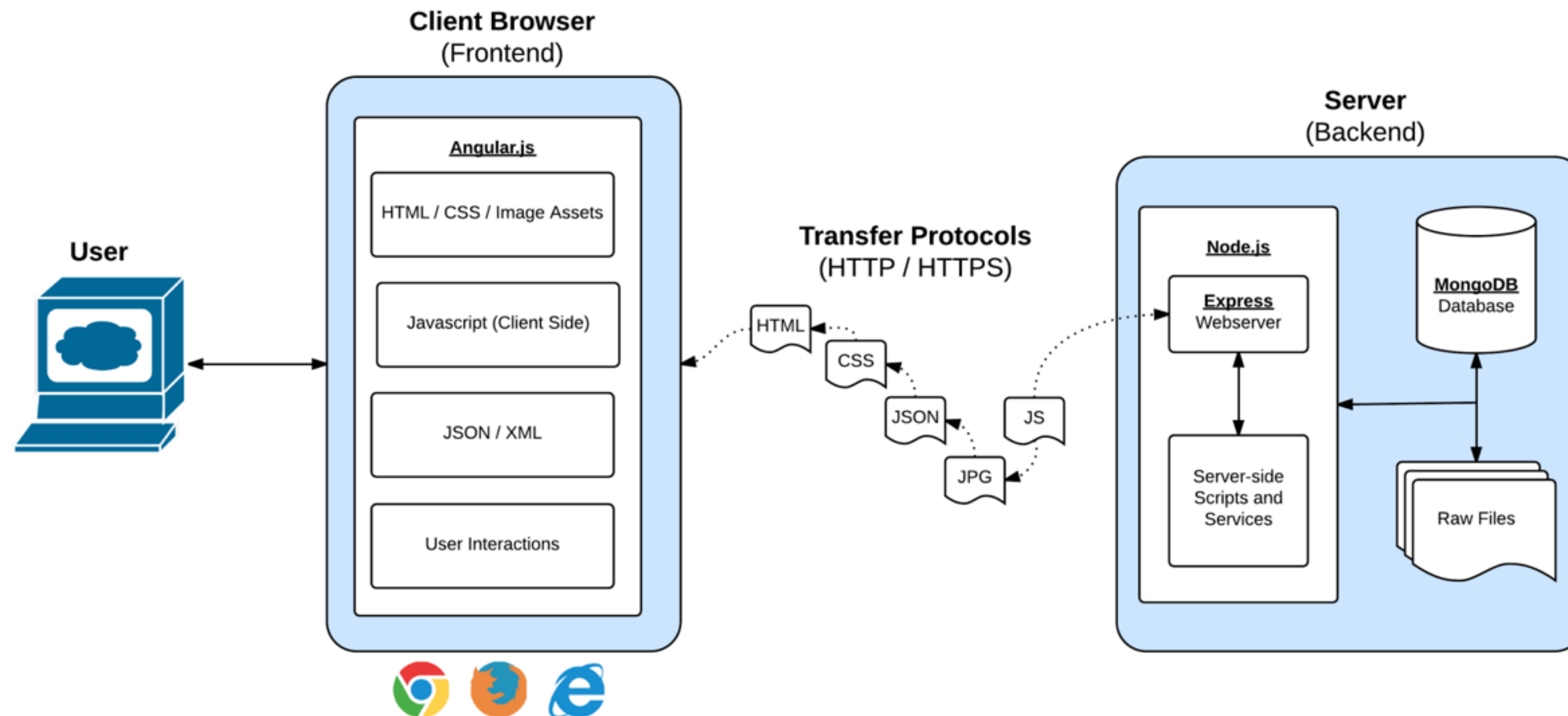




# Objectives

- Students will use an internal Node Package called fs to read, write, etc to files
- Students will use an external Node Package called request to hit the omdbapi and retrieve movie information
- Students will be able to explain the differences between an internal Node Package and an external Node Package

# Client Server Architecture



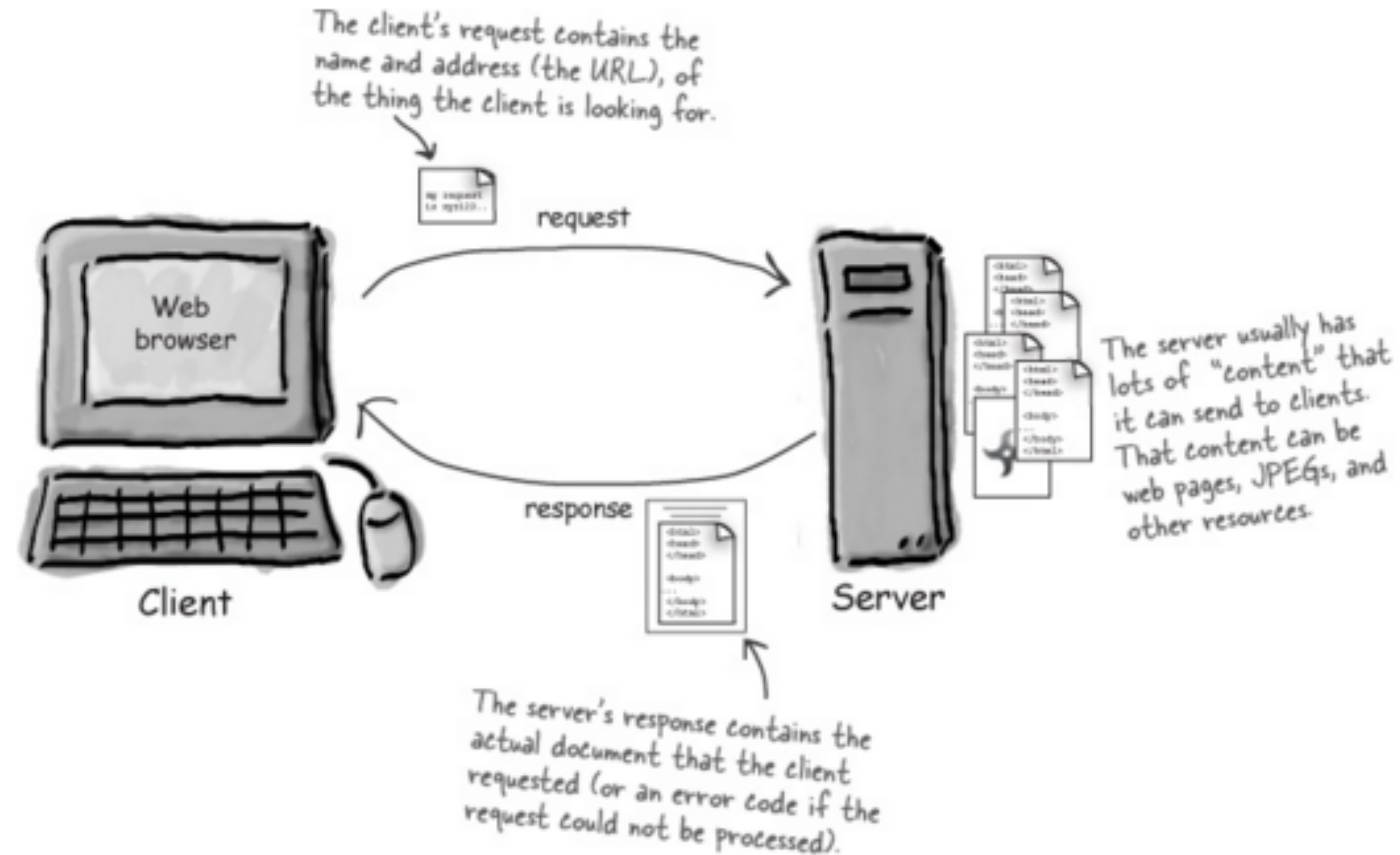
In modern web applications there is a constant back-and-forth communication between the visuals displayed on the user's browser (frontend) and the data and logic stored on the server (backend).

# Server-Side Code in Action!

- API that parse URL parameters to provide selective JSONs
- Firebase methods that provide a timestamp back to users
- Clicking an invoice that provides a PDF report
- Image processing software that takes an image applies a filter, then saves the new version
- Google providing “results” relevant to your searches on other sites.

# What is a “server”?

# Server Definition





# Definitions

- Server
- Web Client
- Request
- Response

# So what is NodeJS?

Node.js is an open-source, cross-platform JavaScript runtime environment designed to be run outside of browsers.

It is a general utility that can be used for a variety of purposes including asset compilation, scripting, monitoring, and most notably as the basis for web servers

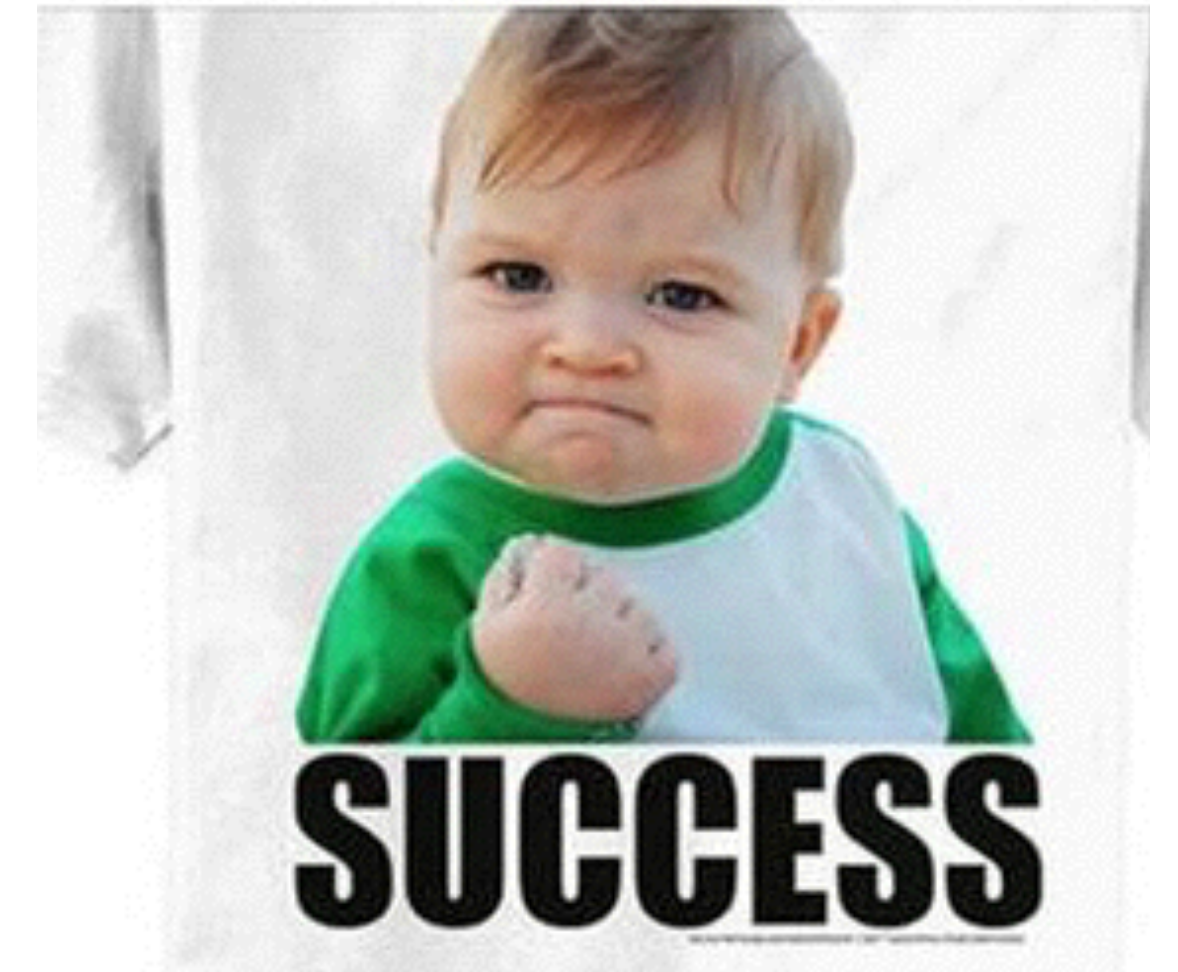


Homework is here again!!!!



# Coding Tips

- Create a Real Programming Environment
- Make Programs From Scratch
- Start Small
- Write Lots of Code
- Ask for Help
- Ask for Help the Right Way



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