IT241 Homework 6
v1.0
Score: _____/10

This assignment will give you experience with npm and Node.js.

Specifications

In this assignment, you will create a simple Node.js app using Express and Axios. The goal is to set up a basic server that fetches data from an external API and serves it as HTML to the client.

Express is a popular and lightweight web application framework for Node.js that simplifies the process of building servers and handling HTTP requests and responses. It provides an easy way to set up routes (endpoints) for different actions, like serving web pages or returning data, making it faster to develop web applications and APIs.

Axios is a promise-based HTTP client for Node.js and browsers, allowing you to make HTTP requests to external services and APIs. With Axios, you can retrieve data from other websites, send data to them, or even interact with various online resources. It's especially useful in Node.js applications for fetching and managing data in a clean, efficient way.

If the user makes a GET request to the /joke route, use Axios to make an API request to the URL listed below. You will then return the setup and punchline as separate HTML elements.

https://official-joke-api.appspot.com/random_joke

This assignment will require you to learn about and research the Axios package.

Project Creation Instructions

1. Create an empty directory in the cloned repository.
    - The name should be all lowercase.
2. Create a file called index.mjs.
3. Change the "main" field in the package.json file to "index.mjs".
4. Change the "scripts" field in the `package.json` file to `{"start": "node index.mjs"}`.
    - You can format it so it isn't all on one line.
5. Open a terminal and change its working directory to the root of your project (the directory you created in step 1).
6. Install Express and Axios by running the following command:
    - npm install express axios

Submission

The submission for this lab is the commit ID for the commit you want graded. Submit the commit ID on Canvas.