CS/WEB 4200: Web Application Development II

Assignment: Node.js

Requirements

Web Service

- Create a simple, RESTful HTTP web service using JavaScript and Node.js (without frameworks):
  - Define a simple resource with several attributes.
  - Create a basic router to recognize defined method/path actions.
  - Create an in-memory data store to persist resource records (an array of objects, for example).
  - Implement an index action for your resource which returns data in JSON format.
  - Implement a create action for your resource which accepts data in query string format.
  - Implement Not Found responses for all other requests.
  - Conform to proper HTTP and REST standards across the application.
  - Keep your implementation clean by organizing request handlers into functions.

Documentation

- The following items should be clearly detailed and documented in the `README.md` within your Git repository:
  - The name of your resource, and the name of each of its attributes.
  - All REST endpoints implemented by your web service. Include the name, HTTP method, and path for each.
- Use [Markdown](https://daringfireball.net/projects/markdown/) to structure and style the content within your `README.md`.

Resources

- Use [this article](https://example.com) to guide your implementation.

Submission

1. Show your completed assignment to the instructor during class or office hours to receive credit.
2. Submit your project using Git and GitHub. Start by creating a repo for this assignment [here](https://github.com).