**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](#) to structure and style the content within your [README.md](#).

**Resources**

- Use [this article](#) 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](#).