**Week 1 In-class Assignment**

**Specification**

1. Use <https://mockaroo.com/> to generate 200 rows of Students data and save it to a JSON array within a file named ***students-data.json***. Each Student object in the array should contain the following fields with appropriate data types and values: sid, firstName, lastName, email, gender, DOB, program, GPA, and registrationDate. Note: the program field must have the values only from this list: "CPA", "CPD", "IFS", "BSD"; the GPA field should have the values in the range 0 to 4.0 inclusive.

2. Create a WEB API using Express.js with the routes of CRUD operations to Students data in the JSON file. Note: the functions for processing the Students data must in a separate JavaScript module named ***data-service.js***; no data persistence is required.

3. Use Thunder Client to test the WEB API.

**Submission**

Demonstrate your completed assignment to your professor to get the assignment marked.