

Lab Assignment #4: Develop a microservice with Node.js and Seneca toolkit.

Due Date: Week 12.

Purpose: The purpose of this assignment is to:

- Develop a data microservice that implements CRUD functionalities for an entity
- Test the microservice using an Express application

References: Read the textbook, lecture slides, and class examples. This material provides the necessary information that you need to complete the exercises.

Be sure to read the following general instructions carefully:

- This assignment must be completed using the **pair programming technique** (https://en.wikipedia.org/wiki/Pair_programming).
- You will have to demonstrate your solution in a scheduled lab session, and submit the project using the assignment link on Dropbox. **You VS project name should be named “YourFullNameLab4” and should be zipped in a file YourFullNameLab4.zip.**

Exercise 1

Create a data microservice using Node.js and Seneca toolkit. The microservice should implement CRUD operations for an entity such as product, student, etc. Create an Express application to test the microservice. Use MongoDB to store the data.

You may use the example from week 11 lecture.

(10 marks)

(2 marks)

Evaluation:

Functionality:

Microservice	65%
Express App	20%
Friendliness:	15%
Total:	100%