**CSD 3103 Assignment 4**

**Name :** Monisha Ranjan

**Student Id :** C0914148

In this assignment, you are requested to use ‘RESTful’, ‘express’, ‘node’ and ‘MongoDB’ to develop a web-application. We are seeking to store and modify the information of students through web requests. A student is represented with: *first name, last name, id, semester and the list of courses taken by that student*. Note: you are requested to design/develop a separate table for the courses in your database.

The operations that we need to implement are as follows:

1. Add student to database

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

1. Remove student from database

A screenshot of a computer

Description automatically generated

1. Modify student in database

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

1. Modify course in database

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A computer screen with a message box

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Specifically, you are requested to accomplish the following:

1. Develop the web-services mentioned above. When developing, use one function to develop each one of above-mentioned operations.
2. Develop client-side model to consume the web-services you implemented. The client-side model that you develop should be user-friendly and facilitate the user to perform the functionalities provided by the web-service. So, develop a professional and friendly user-interface. Write down comments throughout your web-service and web-pages that you develop.

**To submit:**

Follow these steps to submit your work successfully:

1. Create a folder and name it as firstName\_lastName\_A4
2. Copy all files that you developed in this folder
3. Write down your information on top of this document and place it in the folder
4. Zip this folder and submit it through Moodle before the deadline