

**CEGEP VANIER COLLEGE**  
**CENTRE FOR CONTINUING EDUCATION**  
**Web Services**  
**420-941-VA**

**Teacher: Samir Chebbine**

**Web Service Project**

**Due Date      Oct 28, 2024**

**Course Project**

This project course is about implementing REST and SOAP Web Services. Each student must implement at least two REST-based Web Services and two SOAP-based Web Services within a project of her own choice. The project must be small enough so that it can be completed by the end of the course.

The REST project description is due on Oct 07, 2024, and will be presented during class meeting (already discussed and submitted). It includes description of your project in word document (please read project outline below to describe your project):

The REST implementation is due on Oct 28, 2024, and will be presented during class meeting on Oct 28, 2024. The SOAP implementation will be completed later, due date will be announced.

**Project Outline**

- Enumerate the business utility of your project and state what Web Services you wish to implement. You can populate your own data when implementing your project (no need to fetch them from database).
- Provide Java Client Application consuming the implemented REST Web Service.
- You should demonstrate that your Web Services are reusable, extensible, and modular so that end-user would seek to consume these Web Services.
- You should use any Programming Patterns (Block 3) to increase reusability such as:
  - Singleton pattern.
  - Iteration pattern.
  - Model View Controller pattern (MVC), etc...
- You need to provide documentation describing the following:
  - Data Outputs, Data inputs.
  - The business processes to be implemented.
  - Data Structure being used.

**Project implementation:** Different project state of progress must be uploaded into Omnivox LEA.

**Project report:**

- Describe the project.
- What is the business impact of using your implemented Web Services.
- The design class and Web Service design architecture.
- What Data Structure being used.
- Any screenshots to demonstrate the use case scenario.

**Maximum 10 pages**