

## Intro

This document is a Technical Report written for a Student Enrolment Manager in fulfillment of the requirements for the course Further Programming (COSC240). Using the console, one user interacts with a simple prototype of an enrolment system that provides the main functionalities of an enrolment system.

## Description

### 1. Import Enrolment Data

When the system starts running, it will ask the user if they want to import enrolment data from a csv file that the user placed in the root folder. If the user don't want to, the default CSV file will be used to populate Courses, Students and Student Enrolments.

### 2. Show All Students Of A Course In A Semester:

Using the course ID and semester that the user inputs in, the system will filter out all the courses and display those. There is also an option to save them as a CSV file.

### 3. Show All Courses Offered In A Semester

Using the semester that the user inputs in, the system will filter out all the courses and display those. There is also an option to save them as a CSV file.

### 4. Enrol A Student

Using the student ID, course ID and semester that the user inputs in, the system will validate and create a new enrolment with those details.

### 5. Update Student Enrolment

Using the student ID, and semester that the user inputs in, the system will validate and display all the courses that the student enrolled in that semester. Then display a Menu with multiple options:

#### a. Enrol A New Course

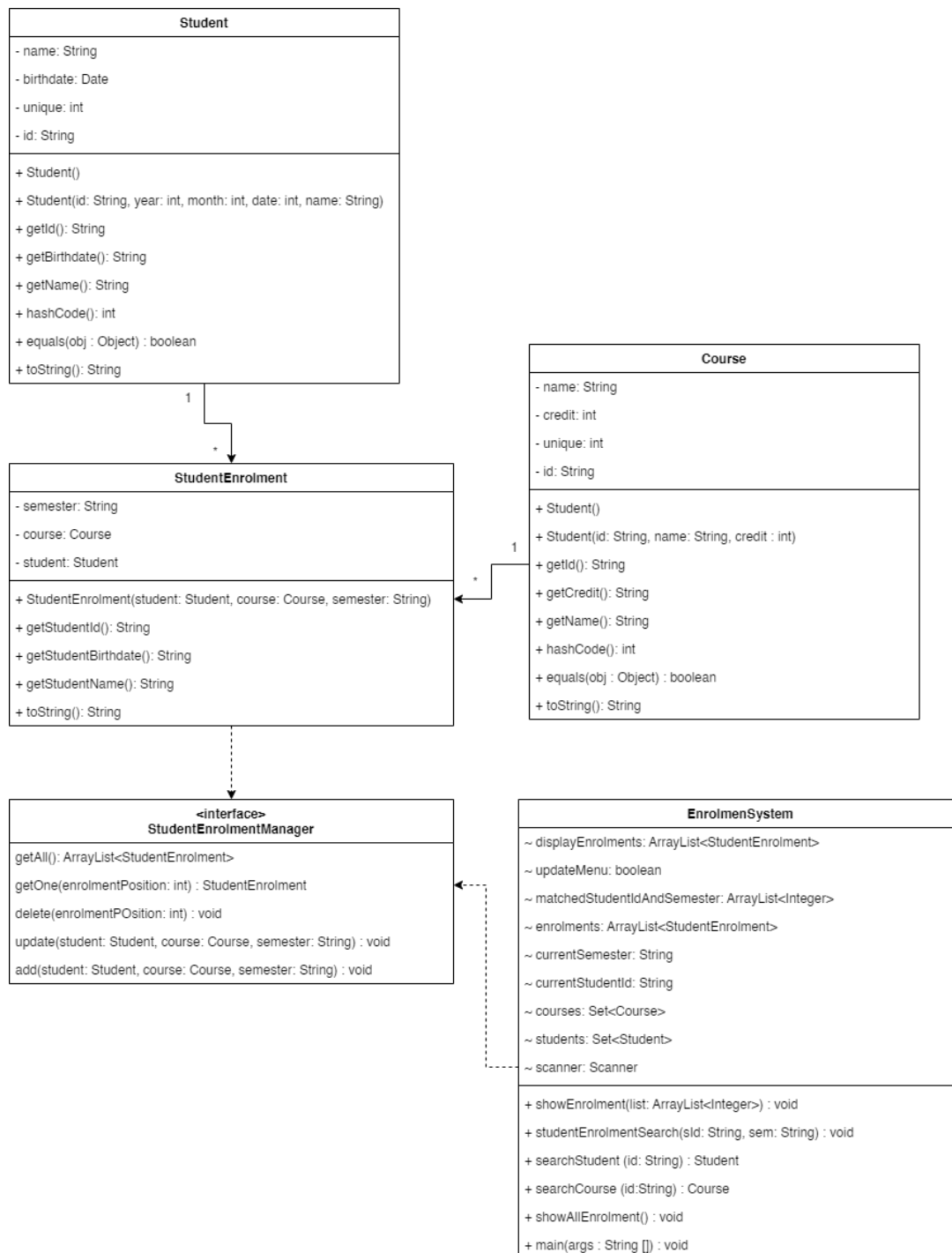
Using the course ID user inputs in, the system will validate and create a new enrolment of that course for that student in that semester.

#### b. Delete A Course

Using the course ID user inputs in, the system will filter out and delete the enrolment of that course for that student in that semester.

#### c. Export into a CSV file

**Class Diagram:**



**Github:**

<https://github.com/lukavo0404/further-programming-assignment1>