



CSE3063 Object Software Design Java Project

Course Registration and Tracking System

Iteration #1

Group 16

Purpose

For our department, a software is needed for course registration simulation, observing problems and bottlenecks. We will develop software that meets these needs.

Overall Description

The course registration and tracking system is the completion of the course registrations by processing the data taken from the JSON files. In this project we analyze, design and implement a registration system in an object oriented manner.

In this iteration we created an object based design that includes reading and writing jsons, taking teachers, students and courses and randomly generated registration process.

Requirements

- There will be taken input parameters from a json file.
- There will be quotas for each course especially for elective courses in the json file.
- There will be prerequisites of the courses.
- There will be students in your software that randomly generated that can be in each of the 8 semester with equal probability.
- Consider the prerequisite tree in implementing this starting from the 3rd semester.
- Store students and their transcripts in json files.
- There will be a json file for each student.
- In order to simulate course registration process, either a randomly selected student or a student's json filename will be chosen.

Domain Model

