

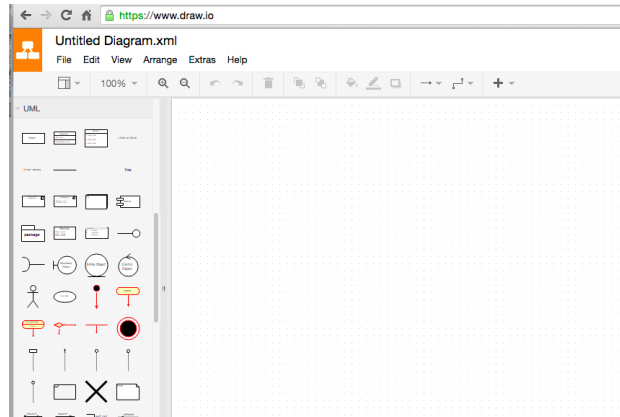
UML Lab

Objective

Draw UML diagrams based on the following problem description.

Tool

We use a simple online tool: <https://www.draw.io> to draw the UML class diagram and UML use case diagram



Problem description

The requirements of Simplified Student Information System (SIS):

For simplicity, constraints such as time conflicts, lectures/labs/tutorials, class quota and among other factors are not considered

At HKUST, students may request a list of course offerings from SIS at the beginning of semester. In each course, information such as course code, name of professor(s), course credits, offering department, and pre-requisite(s) are included. However, some courses may not be offered in a semester (e.g. some courses may only be offered in Spring/Fall semester).

Each course offered must be taught by at least one professor and will only be offered by one department. No course offering will have more than 1000 students or fewer than 15 students.

Students can login to the system using their own username and password. Students are allowed to add or drop courses during the add-drop period.

Professors can access the system to indicate which courses they will be teaching, and to see which students signed up for their course offerings.

Based on the above problem description, complete the following tasks:

Task 1: Draw a UML class diagram

Task 2: Draw a UML use-case diagram