**Requirements**

* **Store and retrieve student information**
  + student name
  + student ID
  + Courses
  + exam scores for each course
  + GPA of current semester
* **Two access modes**
  + Admin
    - Insert, Update, and View
  + User
    - View

**Project Step-by-Step Process**

**Step 1:** Analysis

* Incomplete

**Step 2:** Select life cycle model and present reason for selection

* Incomplete

**Step 3:** Select team model (Ch 4). Describe team organization. Describe each team member's responsibilities.

* Incomplete

**Step 4:** Register on GitHub.

* Complete

**Step 5:** Apply UML Method. Draw UML diagram.

* Complete

**Step 6:** Data Records. Create a stable database.

* Complete?

**Step 7:** Graphical User Interface (GUI)

* Incomplete

**Project Report Phase**

**1. Submit a project report to answer following questions:**

* 1. How many members are in your team? List all members
     1. 5
     2. [insert names]

b. What type of team model is used in the project?

- [insert team model]

c. Paste all UML diagrams used in the project. Architecture diagram, Use Case diagram, and Class diagram expected

- [insert diagrams]

**2.** **Team Presentation in class (30% of project grade)**

a. During the presentation, each teams needs to demonstrate basic operations of LMS system like adding, deleting, inserting, and modifying a record (record could be a course and a student profile), logging in/out system, browsing all records, checking a student or all students’ GPA, GitHub demonstration, and so forth.

**3.** **Submit all artifacts used in the project.**

a. Source code

b. UML diagrams

c. SPMP

d. version control documentation

e. Test cases

f. Data storage files

g. Other necessary artifacts

**Project Peer Assessment**

For each project team in the class, evaluate your team members with a grade 1-10 for the performance in the project. 1 represents worst performance and 10 represents best performance during one-semester project.

You can obtain one extra credit in your final grade if you complete this peer assessment. Your evaluation from other team members will not be considered to influence your final project score. Each team member will have the score as the same as your other team members' score related to your team project.