**Web Development**

**Instructions:**

1. Read these instructions and the questions carefully.
2. Do not forget to write your names and your student ids.
3. Due on the **1st of dec 2021** (at noon)
4. This is a group-based project; a maximum of three members per group is allowed.
5. Plagiarism is not tolerated. Students submitting cheated code will obtain zero grade in the assignment.
6. Upload your code on Moodle. You need to upload all required files.

**Online Grading System**

In this project, your team (minimum 2, maximum3) will develop a small Web site that allows a professor to enter the semester grades for his/her students. The main functions to be implemented are represented by the following use case diagram:

|  |  |
| --- | --- |
|  |  |

Please note the following:

* All users (professor and students) shall use the same log-in page. (index.php)
* A professor can sign in by using his/her Employee ID and password ( a 3 digit number e.g. 289 the password is the same as the user id).
* A student can sign in by using his/her Student ID and password. The password is the last four digits in the student’s ID. The following table lists the valid student IDs.

|  |  |
| --- | --- |
| 20193212 | 20217654 |
| 20195632 | 20219867 |
| 20196632 | 20218756 |
| 20207562 | 20228761 |
| 20208722 | 20227865 |
| 20201621 | 20226452 |
| 20213212 | 20221876 |
| 20213387 | 20224532 |

* The course grades are fixed into the following categories
  + Quizzes (/30)
  + Assignments (/10)
  + Midterm Exam (/20)
  + and Final Exam (/40).
* Your implementation should do the necessary validation and display informative messages in cases the user inputs are invalid. For example, the assignments grade must be a number in the range [0,10]. Another example is that the professor shall not add two grade records for the same student.
* the page should display the average, maximum, minimum grade of each category at the bottom of the table columns.
* Students total grade and Letter Grade(A,B+,B..etc) shall also be computed and displayed for each student.

**What to submit ?**

Your team must submit the following items:

1. This project word document with all group names and a small report about the project implementation and screenshots of each created webpage and your mySql tables.
2. All files including html, css, JavaScript, PhP, and MySql related files.
3. A demo presentation during office hours.

**Important**

You are required to use HTML, CSS, JavaScript, PhP, and MySQL. Only use the features of the languages and tools that are covered in the class, e.g., do not use jQuery.