**CMPS 350 Project Phase 1 – Report**

**Education Platform**

**(10% of the course grade)**

**The report must be submitted in Word format only**

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| **Group Members** | Amer Alzawawi (202205054)  Abdelrahman Abdelwahed (202207121)  Yaser Osama Radwan (202205739)  **Emails:** aa2205054@student.qu.edu.qa; aa2207121@student.qu.edu.qa; yr2205739@student.qu.edu.qa; |
| **GitHub link** | Give a public link to you code (It is not acceptable to send codes by email) |

**Grades :**

**The student fills only the “Implementation Percentage”: Please specify either: *Working (completed x%)*, *Not Working (completed x%)* or *Not done*.**

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| **Criteria** | **Points** | **Implementation Percentage** | **Implementation Quality** | **Your Grade** |
| Design and implement the app Web UI and navigation using HTML, CSS and JavaScript. Including designing the App Web UI and navigation. | 50 | Completed 50% |  |  |
| Design and implement the Web API and data access repositories to read/write the app data JSON files. | 30 | Completed 30% |  |  |
| Application modeling (e.g. UML diagrams) to explain the data entities and the functionalities | 5 | Completed 5% |  |  |
| Testing documentation using screen shots illustrating the testing results. | 5 | Completed 5% |  |  |
| Team work quality. Contributions of team members - All members should collaborate and contribute equally to the project. | 5 | Completed 5% |  |  |
| Project report – description of the implemented app, what is implemented, what is missed .. | 5 | Completed 5% |  |  |
| **Total** | 100 | 100% |  |  |
| **Plagiarism, outsourcing, free riders** | -100 |  |  |  |
| **Delivery behind the deadline** | -5 |  |  |  |

**Important remark: In case of copying and/or plagiarism or not being able to explain or answer questions about the implementation, you lose the whole grade.**

**\* Criteria for grading the functionality:**

- The functionality is working: you get 70% of the assigned grade.

- The functionality is not working: you lose 40% of assigned grade.

- The functionality is not implemented: you get 0.

- The remaining grade in all cases from above **is assigned to the quality of the implementation**,

- The grades are distributed on the various use cases, when the design/implementation is partial, you get only the grades of designed/implemented use cases.

Code quality criteria, include:

- Use of meaningful identifiers for variables and functions (e.g. using JavaScript naming conventions)

- Pages are responsive

- Clean code: simple and concise code, no redundancy

- Clean implementation without unnecessary files/code

- Use of comments where necessary

- Proper code formatting and indentation.

**You lose marks** for code duplication, poor/inefficient coding practices, poor naming of identifiers, unclean/untidy submission, and unnecessary complex/poor user interface design.

**Important Remark**:

**[Grades: 100-85]:** Will be given only to **fully functional application** with **all the quality criteria cited above met** and the project has excellent **design for the various functionalities**. **The report is professional**.

**[Grades: 85-80]:** Will be given only **to functional application** **with most of all the quality criteria cited above met** and the project has good design for the various functionalities. **The report is professional**.

**[Grades: 80-75]:** 80% of the application functionalities are functional. The project respects partially the quality criteria. **The report is professional** but misses some information.

The grades are not negotiable. We expect that only a small portion (around 15%) of the class will be able to meet the criteria for the grades **[100-85]. You should work hard to and demonstrate the merits of your application to earn those grades.+**

# Description of your proposed platform

The project we made describes a platform consisting of 6 screens that work as follows:

* Screen 1:
* Login page that asks for the user’s username and password. If the user was a student, they will be able to either search for courses via name or category, register into a course or view their learning path. If the user was an instructor, then they will be redirected to the grade submission page (screen6). If the user was an administrator, then they will be redirected to the create / validate course and class page (screen5).
* Screen 2:
* A screen that displays all the available offered courses that allows the student to filter the courses by searching by the name or the category of the courses.
* Screen 3:
* A screen that allows the student to register for a course if the conditions were met (prerequisites fulfilled – course open for registration). Information will be updated if the registration was successful.
* Screen 4:
* A screen that views the learning path of a student (courses pending – courses in progress – courses completed).
* Screen 5:
* A screen specified for administrators that shows all the courses based on their status and category. The administrator should be able to validate a class/course that received a sufficient amount of registrations or cancel the classes that have not reached a sufficient amount of registrations.
* Screen 6:
* A screen specified for the instructors that displays the instructor’s current classes allowing them to grade the students.

# Application Design

# Use case diagram

# Entities class diagram

# Web API class

List all the methods (functions) to query your data entities

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# Implementation

# Implemented use-cases

* Use-case 1 was done 100% successfully.
* Use-case 2 was done 100% successfully.
* Use-case 3 was done 100% successfully.
* Use-case 4 was done 100% successfully.
* Use-case 5 was done 100% successfully.
* Use-case 6 was done 100% successfully.

# Unimplemented use-cases and not functioning parts

* All the use-cases are working successfully.

# Testing

# Use case 1

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# Use case 2

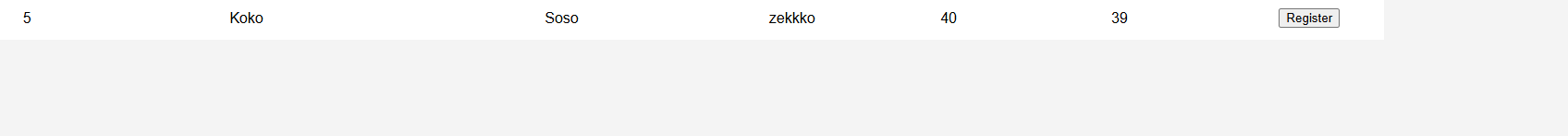
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# Use case 3

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# Use case 4

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# Use case 5

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# Discussion of the project contribution of each team member

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| **Student name** | **Student contributions** |
| Amer Al-Zawawi | Made javascript for the first four screens and made the class diagram. (34%) |
| Abdelrahman Abdelwahed | Made html, css for screen1,2,3 and made javascript for screen5. (33%) |
| Yaser Radwan | Made html, css for screen4,5,6 and made javascript for screen6 and made use case diagram. (33%) |
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