**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** | Mohammed Abdullah (222211679)  Ibrahim Eyad Aboulibdah (202001803)  Fahad Salem Al-Eida (202010250)  **Emails:** ma2211679@student.qu.edu.qa; ia2001803@student.qu.edu.qa; fa2010250@student.qu.edu.qa; |
| **GitHub link** | https://github.com/WebProjectCMPS350 |

**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 | ***Working (completed 100%)*** |  |  |
| Design and implement the Web API and data access repositories to read/write the app data JSON files. | 30 | ***Working (completed 100%)*** |  |  |
| Application modeling (e.g. UML diagrams) to explain the data entities and the functionalities | 5 | ***Working (completed 100%)*** |  |  |
| Testing documentation using screen shots illustrating the testing results. | 5 | ***Working (completed 100%)*** |  |  |
| Team work quality. Contributions of team members - All members should collaborate and contribute equally to the project. | 5 | ***Working (completed 100%)*** |  |  |
| Project report – description of the implemented app, what is implemented, what is missed .. | 5 | ***Working (completed 100%)*** |  |  |
| **Total** | 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

Our proposed platform is QU Student Management System, a web-based application designed to streamline academic and administrative tasks for Qatar University students, instructors, and administrators. The system provides a centralized interface for course management, class scheduling, student enrollment, and grade tracking.

The platform supports multiple user roles:

* Students can browse available courses and classes, enroll in them, and view their grades.
* Instructors can manage the classes they teach, validate and submit student grades, and monitor class enrollments.
* Administrators have access to global functions such as user management, system settings, and data analytics related to academic performance and engagement.

The platform focuses on usability, clarity, and security, ensuring each user role interacts only with relevant functionalities. With a clean interface and responsive design, the system aims to enhance educational experience and improve operational efficiency across departments.

# Application Design

# Use case diagram

# Entities class diagram

Describe your data as a class diagram or Entity Association diagram

# Web API class

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

# Implementation

# Implemented use-cases

# Unimplemented use-cases and not functioning parts

# Testing

# Use case 1

# Use case 2

# Use case 3

# Use case 4

# Use case 5

# Discussion of the project contribution of each team member

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| --- | --- |
| **Student name** | **Student contributions** |
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