**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** | Khalid Mahmoud (202207845)  Student2 full name (StudentId)  Student3 full name (StudentId)  **Emails:** student1@student.qu.edu.qa; student2@student.qu.edu.qa; student3@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 |  |  |  |
| Design and implement the Web API and data access repositories to read/write the app data JSON files. | 30 |  |  |  |
| Application modeling (e.g. UML diagrams) to explain the data entities and the functionalities | 5 |  |  |  |
| Testing documentation using screen shots illustrating the testing results. | 5 |  |  |  |
| Team work quality. Contributions of team members - All members should collaborate and contribute equally to the project. | 5 |  |  |  |
| Project report – description of the implemented app, what is implemented, what is missed .. | 5 |  |  |  |
| **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

The web application is designed to manage the academic operations of the **Computer Science department at Qatar University**. The project provides different functionalities for **admins**, **instructors**, and **students**, each having specific roles and functionalities.

#### **Key Features:**

* **Admin Panel**
  + Add, view, and delete **courses** and **classes.**
  + View **pending registration requests** from students.
  + **Approve or reject** student registration requests.
* **Student Interface**
  + View available courses and classes.
  + Submit **registration requests** for classes for courses.
  + Track learning paths and enrolled courses.
* **Instructor Interface**
  + View **assigned classes and the enrolled students.**
  + Submit **final grades** for enrolled students.

***Some Details:***

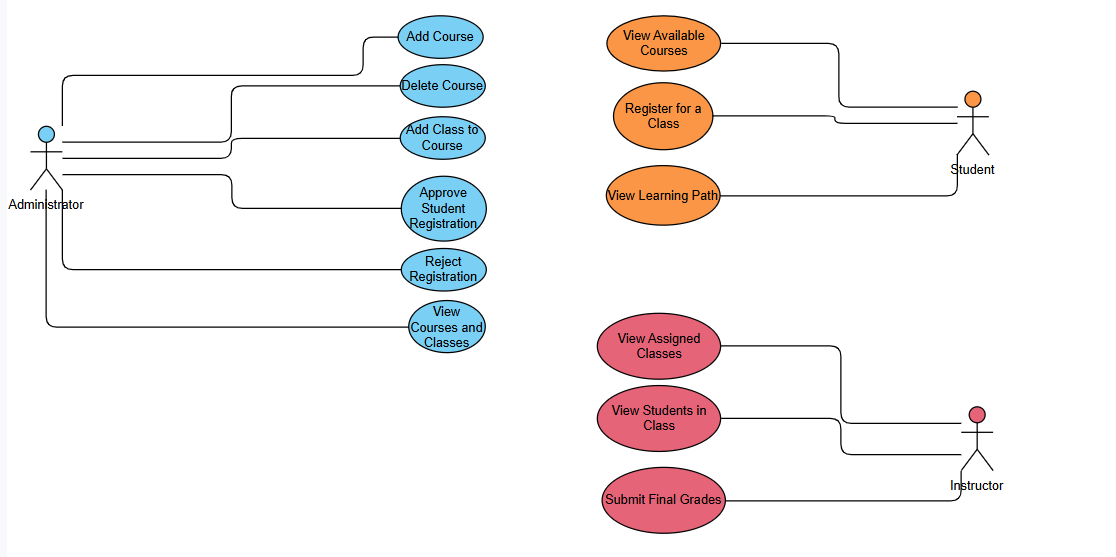
- Built using **HTML, CSS, and JavaScript**

- Data is stored in **local Storage** using JSON files (courses.json, students.json, users.json,…..)

- Interfaces and logic functions based on **user roles**

# 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** |
| Khalid Mahmoud |  Made the login page design.   Helped in implementing the project using mix of JSON and localStorage.   developing functionalities for instructors to view assigned classes and submit final grades.   Helped implement course and class registration. |
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