**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** | Karim Abdelmonem Abdelgalil Mohamed Elnaggar (202307871)  (Did it by myself)  **Emails:** ke2307871@student.qu.edu.qa; |
| **GitHub link** | https://github.com/kareem-ke2307871/project |

**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 | 50% |  |  |
| Design and implement the Web API and data access repositories to read/write the app data JSON files. | 30 | 30% |  |  |
| Application modeling (e.g. UML diagrams) to explain the data entities and the functionalities | 5 | 5 (I don’t know if it is actually done correctly this is my first time designing a uml diagram for my projects) |  |  |
| Testing documentation using screen shots illustrating the testing results. | 5 | 5% |  |  |
| Team work quality. Contributions of team members - All members should collaborate and contribute equally to the project. | 5 | 5 (I did it all by myself) |  |  |
| Project report – description of the implemented app, what is implemented, what is missed .. | 5 | 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

Courses platform, where students can log in to search for courses they want or view their learning path,

Also instructors can log in to search for the courses they teach and the student they have in these courses to alter and submit their grades.

Give an overview of how your application works

# Application Design

A diagram of a diagram

Description automatically generated

# Entities class diagram

A diagram of a computer

Description automatically generated

Describe your data as a class diagram or Entity Association diagram

A graph with a diagram

Description automatically generated

A graph with text and words

Description automatically generated with medium confidence

# Web API class

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

function toggleButtonVisibility

I did not utilized it for now but I think I will be able to utilize it in phase 2, it is a function that shows a button only for students. (it is not really used because I ended up changing the way I designed my platform but it will be used if decided to do other things)

populateLearningPath

to style the learning path sidebar

searchInput.addEventListener('input', (e) =>

filter search for courses

function displayCourses(courses)

displaying the courses once the student enters the platform

function displayClasses(classes)

same for the one above but for instructors (not entirely the same)

# Implementation

# Implemented use-cases

Case 1

Case 2

Case 4

Case 6

(implemented 4 cases out of 6 because I did the project myself)

# Unimplemented use-cases and not functioning parts

In case 6 I have a problem with changing the grade in the json file I cannot seem to change it

# Testing

# Use case 1

Invalid username or password case

A login screen shot

Description automatically generated

A login screen shot

Description automatically generated

# Use case 2

A screenshot of a computer

Description automatically generated

Filter search

A screenshot of a web page

Description automatically generated

# Use case 3

# Use case 4

Once the student click on this button

A screenshot of a computer

Description automatically generated

A screenshot of a cellphone

Description automatically generated

He can view his completed, in progress, and pending courses.

# Use case 6

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

# Discussion of the project contribution of each team member

|  |  |
| --- | --- |
| **Student name** | **Student contributions** |
| Karim Elnaggar | 100% |
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