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|  | **HalaqaMetrash Web App** |

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***CMPS356 Project Phase 1 Report – Web UI Design and Web API Implementation (15% of the course grade).***

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| --- | --- |
| **Group Id:** | G? |
| **Group Members:** | Student1 full name (StudentId)  Student2 full name (StudentId)  Student3 full name (StudentId)  **Emails:** student1@student.qu.edu.qa; student2@student.qu.edu.qa; student3@student.qu.edu.qa; |

**Grading Rubric - In the *Functionality* column please specify either: *Working (completed x%)*, *Not Working (completed x%)* or *Not done*.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | **%** | **Functionality\*** | **Quality of the implementation** | **Score** |
| **1) [20%] Application Design**  The design documentation should include at least the following:  • Class Diagram showing Entities, Repositories and Services.  • Discussion of design rationale of 5 key design decisions. | 20% |  |  |  |
| **2) [30%] Design and implement the Web UI using HTML and CSS for:** | 30% |  |  |  |
| * Main page design (including menu) | 5 |  |  |  |
| * Login | 5 |  |  |  |
| * Register parent | 8 |  |  |  |
| * Register student | 8 |  |  |  |
| * Get tasks | 10 |  |  |  |
| * Complete task | 6 |  |  |  |
| * Delete task | 5 |  |  |  |
| * Add Task | 10 |  |  |  |
| * Update task | 5 |  |  |  |
| * Post message | 6 |  |  |  |
| * Get messages | 8 |  |  |  |
| * Post announcement | 6 |  |  |  |
| * Get announcements | 8 |  |  |  |
| * Halaqa Summary Report | 10 |  |  |  |
| **3) [40%] Implement the repositories and the services (i.e., Web API) using JavaScript for:** | 40% |  |  |  |
| * Login | 6 |  |  |  |
| * Register parent | 8 |  |  |  |
| * Register student | 8 |  |  |  |
| * Get tasks | 12 |  |  |  |
| * Complete task | 6 |  |  |  |
| * Delete task | 6 |  |  |  |
| * Add Task | 10 |  |  |  |
| * Update task | 6 |  |  |  |
| * Post message | 6 |  |  |  |
| * Get messages | 8 |  |  |  |
| * Post announcement | 6 |  |  |  |
| * Get announcements | 8 |  |  |  |
| * Halaqa Summary Report | 10 |  |  |  |
| **4) [10%] Testing documentation** using screen shots illustrating the testing of Web UI and Web API. | 10% |  |  |  |
| **Total** | 100% |  |  |  |
| - Discussion of the project contribution of each team member [-10pts if not done] |  |  |  |  |
| - Demo and discussion [-20pts if not done] |  |  |  |  |
| Copying and/or plagiarism or not being able to explain or answer questions about the implementation [-100%] |  |  |  |  |

**\* Possible grading for functionality**: ***Working*** (get 70% of the assigned grade), ***Not*** ***working*** (lose 40% of assigned grade and ***Not done*** (get 0). The remaining grade is assigned to the quality of the implementation. In case your implementation is not working then 40% of the grade will be lost and the remaining 60% will be determined based on of the code quality and how close your solution to the working implementation. Design quality includes **correct usage of Single Page Architecture (SPA)**, meaningful naming of identifiers, no redundant code, simple and efficient design, clean code without unnecessary files/code, use of comments where necessary, proper white space and indentation.

**Marks will be reduced** forcode duplication, poor/inefficient coding practices, poor naming of identifiers and unnecessary complex/poor user interface design.

# Design Documentation

## Class Diagrams: Entities, Repositories and Services

## Discussion of design rationale of 5 key design decisions

# User Interface Testing

## Main page design

## Login

## Register parent

## Register student

## Get tasks

## Complete task

## Delete task

## Add Task

## Update task

## Post message

## Get messages

## Post announcement

## Get announcements

## Halaqa Summary Report

# Web API Testing

## Main page design

## Login

## Register parent

## Register student

## Get tasks

## Complete task

## Delete task

## Add Task

## Update task

## Post message

## Get messages

## Post announcement

## Get announcements

## Halaqa Summary Report