**School Management System (SMS)**

**App**

* **Module 3 – Payment Management**



**CMPS 350 Project Phase 1 – WebApp UI Design and Implementation**

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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 | Grade |
| 1) Design the app Web UI and navigation (10%).  2) Implement the app Web UI and navigation using HTML, CSS and JavaScript (30%)  3) Implement the client-side data access repositories to read/write the app data from/to IndexedDB (40%) | | **80%** |  |  |  |
|  | Login | 5 |  |  |  |
|  | Setup and maintain the free structure | 10 |  |  |  |
|  | Get pending payments | 9 |  |  |  |
|  | Make payment | 9 |  |  |  |
|  | Get payments history | 8 |  |  |  |
|  | Pending payments report | 8 |  |  |  |
|  | Received payments report | 8 |  |  |  |
|  | Request bus service | 8 |  |  |  |
|  | Approve / reject bus service request | 9 |  |  |  |
|  | Get status of bus service request | 8 |  |  |  |
|  | Generate due payments | 9 |  |  |  |
|  | Overall App design and navigation  Overall code quality | 9 |  |  |  |
| **4) Application Design:** Entities Class Diagram and the Repositories Class diagram. | | **8** |  |  |  |
| 5) Create test data JSON files for your module entities | | 6 |  |  |  |
| **6) Testing documentation** using screen shots illustrating the testing results.  - Discussion of the project contribution of each team member. | | 6 |  |  |  |
| **Total** | | 100 |  |  |  |
| Copying and/or plagiarism or not being able to explain or answer questions about the implementation | | -  100 |  |  |  |

**\* Possible grading for functionality** - ***Working*** (get 60% 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.

Solution quality also includes meaningful naming of identifiers (according to Android naming conventions), no redundant code, simple and efficient design, clean implementation without unnecessary files/code, use of comments where necessary, proper code formatting and indentation.

**Marks will be reduced** for **code duplication**, poor/inefficient coding practices, poor naming of identifiers, unclean/untidy submission, and unnecessary complex/poor user interface design.

# Application Design

# Entities Class Diagram

# Repositories Class Diagram

# App Testing

# Login

# Setup and maintain the free structure

# Get pending payments

# Make payment

# Get payments history

# Pending payments report

# Received payments report

# Request bus service

# Approve / reject bus service request

# Get status of bus service request

# Generate due payments

# Summary of team member contributions