|  |  |  |
| --- | --- | --- |
| Icon  Description automatically generated | **CMPS 312 Project Phase 2 – Data Layer using Firestore, Firebase Storage and local SQLite Database (10% of the course grade)** | |
| **Group Id:** | |  |
| **Group Members:** | | **Emails:** |

# 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 |
| 1. **Database Design:** Firestore database schema diagram and SQLite database schema diagram | | 5% |  |  |
| **2) Design and implement** | | **90%** |  |  |
|  | U1 – Signup and Signin using Firebase Authentication | 10 |  |  |
| U2 - YalaPay Dashboard | 8 |  |  |
| U3 - List/Search/Add/ Update and Delete a customer:  1. List Customers (5 pts)  2. Search Customers (5 pts)  3. Add Customer (5 pts)  4. Update Customer (4 pts)  5. Delete Customer (3 pts) | 22 |  |  |
| U4 - List/Search/Add/ Update and Delete an Invoice  1. List Invoices (5 pts)  2. Search Invoices (5 pts)  3. Add Invoice (5 pts)  4. Update Invoice (4 pts)  5. Delete Invoice (3 pts) | 22 |  |  |
| U5 - List/Search/Add/ Update and Delete payments for an invoice  1. List Payments (5 pts)  2. Search Payments (5 pts)  3. Add Payment including attach a cheque image (9 pts)  4. Update Payment including attach a cheque image (8 pts)  5. Delete Payment (3 pts) | 30 |  |  |
| U6 - Manage Cashing Cheques  1. Add Cheques Deposit (10 pts)  2. List Cheque Deposits (5 pts)  3. Update Cheques Deposit (15 pts) | 30 |  |  |
| U7 - Invoices Report | 8 |  |  |
| U8 - Cheques Report | 8 |  |  |
| **3) Testing documentation** using screen shots illustrating the app testing.  - Discussion of the project contribution of each team member [-10pts if not done] | | 5% |  |  |
| **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 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.

Solution quality also includes meaningful naming of identifiers (according to Flutter/Dart 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** forcode duplication, poor/inefficient coding practices, poor naming of identifiers, unclean/untidy submission, and unnecessary complex/poor user interface design.

# Database Design

# Firestore database schema diagram

# SQLite database schema diagram

# Testing

# U1 – Signup and Signin using Firebase Authentication

# U2 - YalaPay Dashboard

# U3 - List/Search/Add/ Update and Delete a Customer

# List Customers

# Search Customers

# Add Customer

# Update Customer

# Delete Customer

# U4 - List/Search/Add/ Update and Delete an Invoice

# List Invoices

# Search Invoices

# Add Invoice

# Update Invoice

# Delete Invoice

# U5 - List/Search/Add/ Update and Delete payments for an invoice

# List Payments

# Search Payments

# Add Payment including attach a cheque image

# Update Payment including attach a cheque image

# U6 - Manage Cashing Cheques

# Add Cheques Deposit

Include the ability to create a Cheque Deposit having multiple cheques.

# List Cheque Deposits

# Update Cheques Deposit

Include the ability to set the *return date* and the *return reason* per cheque.

# U7 - Invoices Report

# U8 - Cheques Report

# Summary of team member contributions

|  |  |
| --- | --- |
| 1. **Member** | **Completed use cases / tasks** |
|  |  |
|  |  |
|  |  |
|  |  |