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|  | **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*.**

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| Criteria | | % | Functionality\* | Quality of the implementation |
| 1. **Database Design:** Firestore database schema diagram and SQLite database schema diagram | | 5% |  |  |
| **2) Design and implement (90%)** | |  |  |  |
|  | **Quran Navigator**  - Navigate by Juz (5 pts)  - Navigate by Surah (5 pts)  - Navigate by page number (4 pts) | 14 |  |  |
| **Quran Viewer**  - Display the Quran Page (8 pts)  - Display a summary text for a section (قسم) (8 pts) | 16 |  |  |
| **Topics Map**  - Topics Map (8 pts)  - View Quran page associated with the section (4 pts) | 12 |  |  |
| Aya and Theme Search | 10 |  |  |
| Verse Recitation | 6 |  |  |
| Verse Tafsir | 6 |  |  |
|  | **Resources Editor** (20 pts)  Add/update/delete resources (a link, a PDF document, YouTube video or an image) associated with a Mihwar, using Firestore and Cloud Storage. | 20 |  |  |
|  | **Resources Viewer** (16 pts)  - View resources associated with the section | 16 |  |  |
|  | **Signup and Signin** using Firebase Authentication | 10 |  |  |
| **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

# Quran Navigator

# Navigate by Juz

# Navigate by Surah

# Navigate by page number

# Quran Viewer

# Display the Quran Page

# Summary text for a section

# Topics Map

# Topics Map

# View Quran page associated with the section

# Aya and Theme Search

# Verse Recitation

# Verse Tafsir

# Resources Editor

# Add Resources

# Update Resources

# Delete Resources

# Resources Viewer

# Signup and Signin using Firebase Authentication

# Summary of team member contributions

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