

STID3014 A222: SQL Project (20%) - (Deadline: Week 14 – 20/7/2023)

Discuss the topic of the project with the lecturer (by Week 4). Upon approval, students are required to:

Using the same case study from your Assignment 1:

1. Develop the ERD and relational model for the database. The database should consist of at least **FIVE** tables.
2. Develop a database based on the design (ERD & Relational Model)
3. Prepare for a presentation to explain the project. Every member must involve in the presentation.

Your presentation should consist of (not limited to) the following:

- a. Explain the ERD (business rules) – MAX 5 minutes
- b. Explain the relationship between tables (Foreign Key) – MAX 5 minutes
- c. Explain the queries (Explain why the database owner needs such a report for their business) – Max 10 minutes

The mode of the presentation: Video

4. Submit a report. The report should consist of the following
 - a. ERD and Relational Model (From Question 1)
 - b. INCLUDE the following **queries (text-based, not a screenshot)** and **output (screenshot)** in the report
 - i. CREATE TABLES queries for ALL TABLE
 - ii. ALTER **ANY** TABLE TABLE (alter one table only, show before/after output)
 - iii. INSERT **ALL** data
 - iv. UPDATE **ANY** data
 - v. DROP **ANY** view.
 - vi. CREATE **FOUR** subqueries.
 - vii. CREATE **FOUR** multi-table queries.
 - viii. CREATE **FOUR** queries that includes AGGREGATE FUNCTION
 - ix. CREATE **FOUR** views (create views that combine TWO or MORE tables – it shouldn't be the same queries from question vi, vii and viii)