WORKING WITH RDBMS
RDBMS-ASM-01
***
FINAL ASSIGNMENT

1. **Scope of Knowledges:**

   - Design database and draw ERD

   - Understand about RDBMS and SQL

   - Develop a real relation database

   - Build a console C# application working with MySQL

2. **Type of Assessment:** Presentation/ Submission

3. **Materials/ Softwares/ Tools:**

   - Visual Studio Code

   - MySQL Server and Workbench

4. **Final Assignment:** Write a C# application working with sales database

4.1. Requirements

Design and develop Sales Database

Students must design and develop a sales database which stores data like Shopee, Sendo, Tiki website. The database must include business information requirements such as:

- The database must have actual Customer, Category, Product, Order information like in a real website.

- Products can have multiple images, sizes and colors.

- Customers can have many shipping addresses but choose only one for each order.

Students must input at least 10 categories, 100 products, 50 customers and 50 orders.

Develop C# Application

Write a C# application which connect to your sales database and run the following tasks:

- Input product information

- Update product information

- Search products by category, name, price range

4.2. Submission

- ERD and SQL file for your database

- Console C# application source code

Final Assignment: Working with RDBMS

ASSIGNMENT EVALUATION

Mark	Description
Level 1: 50-69%	– Create right ERD – Complete SQL to create database and table – Create index and necessary views, triggers – Insert correct data into all tables – Write C# app which could connect to database
Level 2: 70-89%	– Insert products info with validation on console – Update products info
Level 3: 90-100%	– Search products info – Use stored procedures

Final Assignment: Working with RDBMS