**Project Specification Document**

1. Use attached Use case specification template and capture your project details and expected functionalities.
2. Create DDL
3. Create ER diagram
4. Extract data using below hints (Example queries for Data Extraction)
5. Prepare document and upload to Github.

**Example Queries for Data Extraction:**

1. **Retrieve All Records from a Table**
   * **Query Task:** Select all records from the customers table.
2. **Filter Records Based on a Condition**

* **Query Task:** Select all orders from the orders table where the order date is after January 1, 2023.

1. **Join Two Tables**

* **Query Task:** Retrieve the names of customers along with their order IDs from the customers and orders tables.
* **Hint:** Use an INNER JOIN/outer join/cross join to combine data from both tables based on a common column.

4. **Aggregate Data Using Group By**

* **Query Task:** Find the total number of orders placed by each customer.
* **Hint:** Use the GROUP BY clause to group records and COUNT to aggregate.

5. **Filter Groups Using HAVING**

* **Query Task:** Retrieve the customer IDs and their total number of orders, but only for customers who have placed more than 5 orders.

6. **Order Results Using ORDER BY**

* **Query Task:** Select all products from the products table and order them by price in descending order.
* **Hint:** Use the ORDER BY clause to sort the results

**7. Retrieve Data with a Subquery**

* **Query Task:** Find the names of customers who have placed orders with a total amount greater than Rs.1000.
* **Hint:** Use a subquery to calculate the total order amount for each customer

**8. Use CASE Statements**

* **Query Task:** Retrieve order details along with a column that indicates if the order amount is 'High', 'Medium', or 'Low'.