SQL server database

Data integrity

Data is the most critical resource to the company, by enforcing data integrity ensures the accuracy, consistency and quality of data stored in the database, and is a critical aspect to the design, implementation and usage of any system which stores, processes, or retrieves data

For examples, if an employee has an employee_id DVT123, the database should not allow another employee to have an ID with the same value.

Types of relationships

Understanding these three relationships in a database

- One-to-Many Relationship

- Many-to-Many Relationships

- One-to-One Relationships

Assignment

I believe this will be helpful since we didn't cover too much of the database at the college. Please feel free to extend or to modify the tables if necessary

Learners are to create a database, the database must consist of 4 tables and link those table using the primary and foreign keys, indicating whether the type of relationship is a (1) one-to-one, (2) one-to-many, (3) or many-to-many between those tables, also specify the data-type of the fields.

1. Customer table – this table must include the customer's detail
   - Customer ID
   - Username
   - First Name
   - Last Name
   - Address
   - Telephone

2. Product table
   - ID
   - Type - ID
   - Product Name
   - Price
   - Description
   - Image

3. ProductType table
   - ID
   - Name
4. Order table
   - Order Id
   - Order date
   - Required date
   - Shipping date
   - Status
   - comment

5. OrderDetails table
   - ID
   - Client ID
   - Product ID
   - Amount
   - Date of Purchase
   - IsInCart

6. Payment table
   - Customer Number
   - Check number
   - Payment date
   - Amount