
DBMS LAB 08 TASKS

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SCENARIO

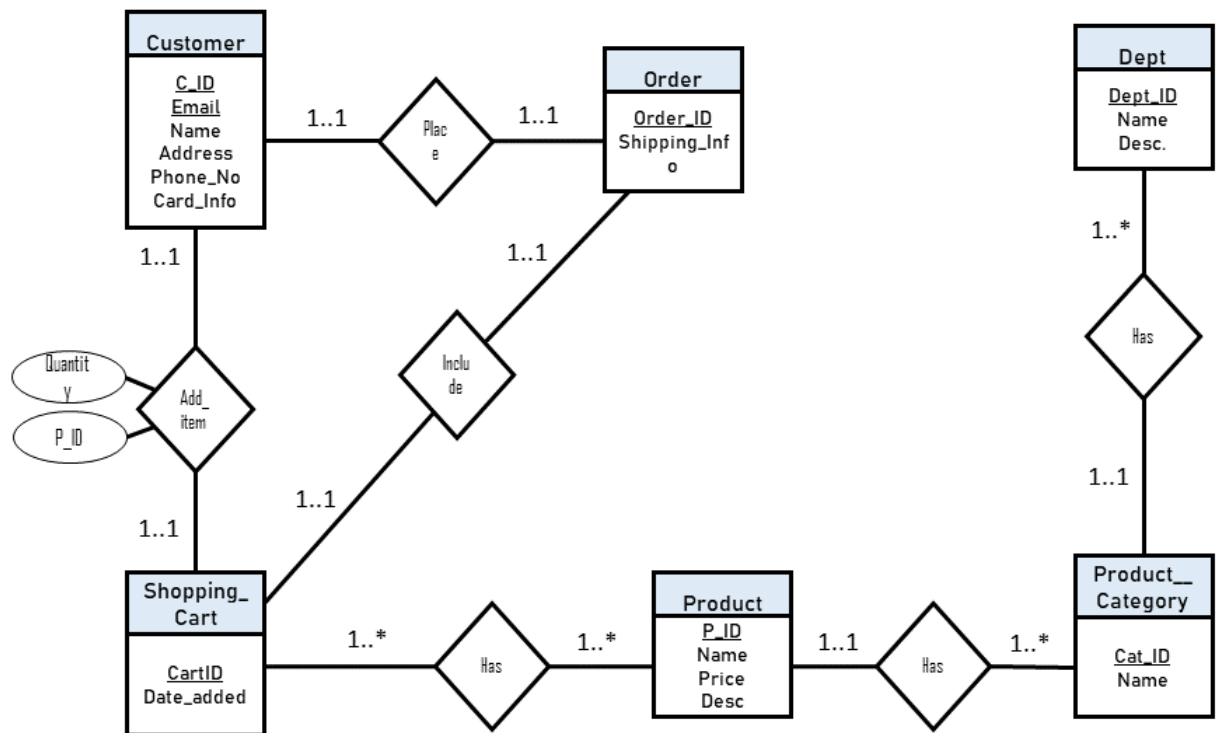


Figure 1: Partial ERD of a Shopping Cart Project

1. After determining the type of relationship that exist between the entities (i.e. one-to-one, one-to-many or many-to-many), create all the tables that can be found from this ERD.

Use the cascading delete clause for all the foreign keys in your tables. If there's any foreign key that should not have cascading delete, write down a comment explaining your reasoning.

[Hint: There will be at least 7 tables in total.]

2. Create a view named `Shopping_Cart_Details` that gives information about all the prod-

ucts included in the shopping cart. This view should have the attributes Cart ID, Date added, Product ID, Name and Price of the product.

From this view, create another view named Product_Purchase_Total_1 that contains the date the shopping carts have been added on and the total number of times a certain product has been purchased on that day.

3. Create a view named Customer_Purchase_History that includes all the information of the customer, the product ID and the quantity of the purchased product.
4. Three categories of users have been identified so far for this database:
 - A customer will be able to view his information from the database.
 - A salesperson will be able to modify the shopping cart and order details of the customer.
 - The manager will be able to update the customer information, modify department, product category and product information and obviously view all this information.

Now, create three roles for these three categories of users and grant them the appropriate privileges.