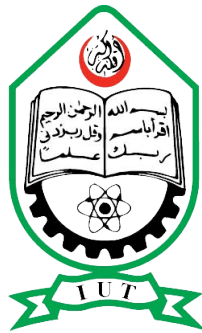


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## DBMS LAB 08 TASKS

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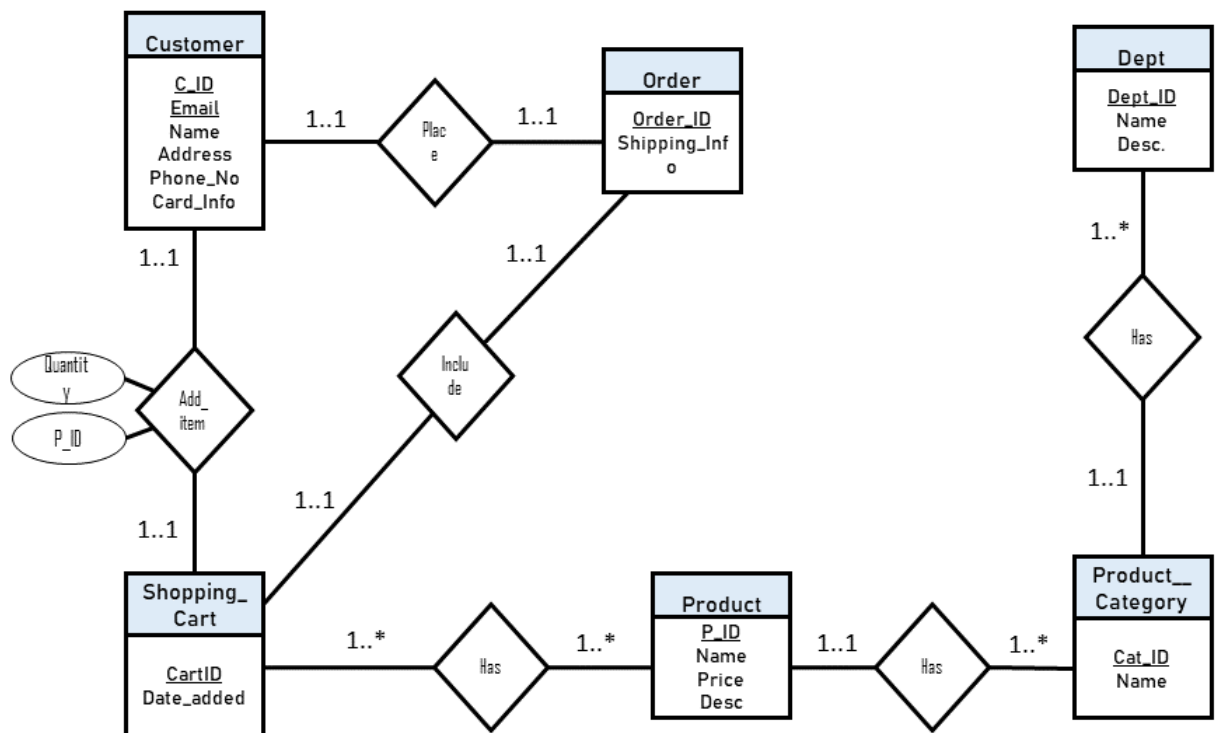
Prepared by:  
Mohammad Anas Jawad  
Lecturer, IUT CSE



Department of Computer Science and Engineering  
Islamic University of Technology  
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**Note:** Write down your commands and errors encountered in a notepad file to be evaluated.

## TASKS



**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.  
[Hint: There will be at least 7 tables in total.]
2. Use the cascading delete clause for all the foreign keys in your tables. If there's any

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foreign key that should not have cascading delete, write down a comment explaining your reasoning.

3. Create a view named `Shopping_Cart_Details` that gives information about all the products 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` 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.

4. 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.

5. 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.