



# KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY

## KUET

### SESSIONAL REPORT

Department Of CSE Course No. CSE 3110

Experiment No. \_\_\_\_\_

Name of the Experiment Project on "E-Commerce site database  
Management system"

Remarks

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Date of Performance .....

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## Introduction:

A database management system (or DBMS) is essentially nothing more than a computerized data-keeping system.

Users of the system are given facilities to perform

Several kinds of operations on such a system for

either manipulation of the data in the database

or the management of the database structure

itself. There are several kind of Database

Management System (DBMS) such as follows:

- Oracle, DB2 (IBM), MS SQL server, MS Access, Ingres, PostgreSQL, MySQL etc.

I have used 'Oracle' DBMS for my E-commerce

website database management system project.

ORACLE is a fourth generation relational database

management system must be able to reliably manage a large amount of data in a multi-user environment so that many users can concurrently access the same data. All this must be accomplished while delivering high performance to the users of the database. A DBMS must also be secure from unauthorized access and provide efficient solutions for failure recovery. The ORACLE server provides efficient and effective solutions for the major database features.

## Short Description of Project:

My project "E-commerce Site Database Management" is based on database, Object Oriented. As there are many areas where we keep the records in database for which I am using Oracle DBMS which is one of the best and easiest to keep our information.

The project E-commerce site Database Management system contains the information of Customer, Supplier, Product, Orders, Courier, ordering, supplies and category.

It is consisted by the following schema:

1. Customer (C-id, name, phone, email, pass)
2. Supplier (S-id, name, phone, address)
3. Ordering (C-id, P-id)
4. Orders (O-id, delivery-status, quantity, order-date, P-id, C-id, C-id)



5. Supplies ( S-id, P-id )

6. Product ( P-id, name, price, stock, S-id, Cat-id )

7. Courier ( Co-id, name, address, phone )

8. Category ( Cat-id, Category-name )

Here the relation between customer and orders is one to many. A single customer can order many Product. The relation between orders and Courier table is many to one. Many orders can be transmit to the doorstep of the customer by a single Courier. Relation between supplier and product is many to many. A supplier can supply many types of product. On the other hand some type of product can be supplied by many supplier. The relation between product and category is many to one. Inside on category There are many type of product.

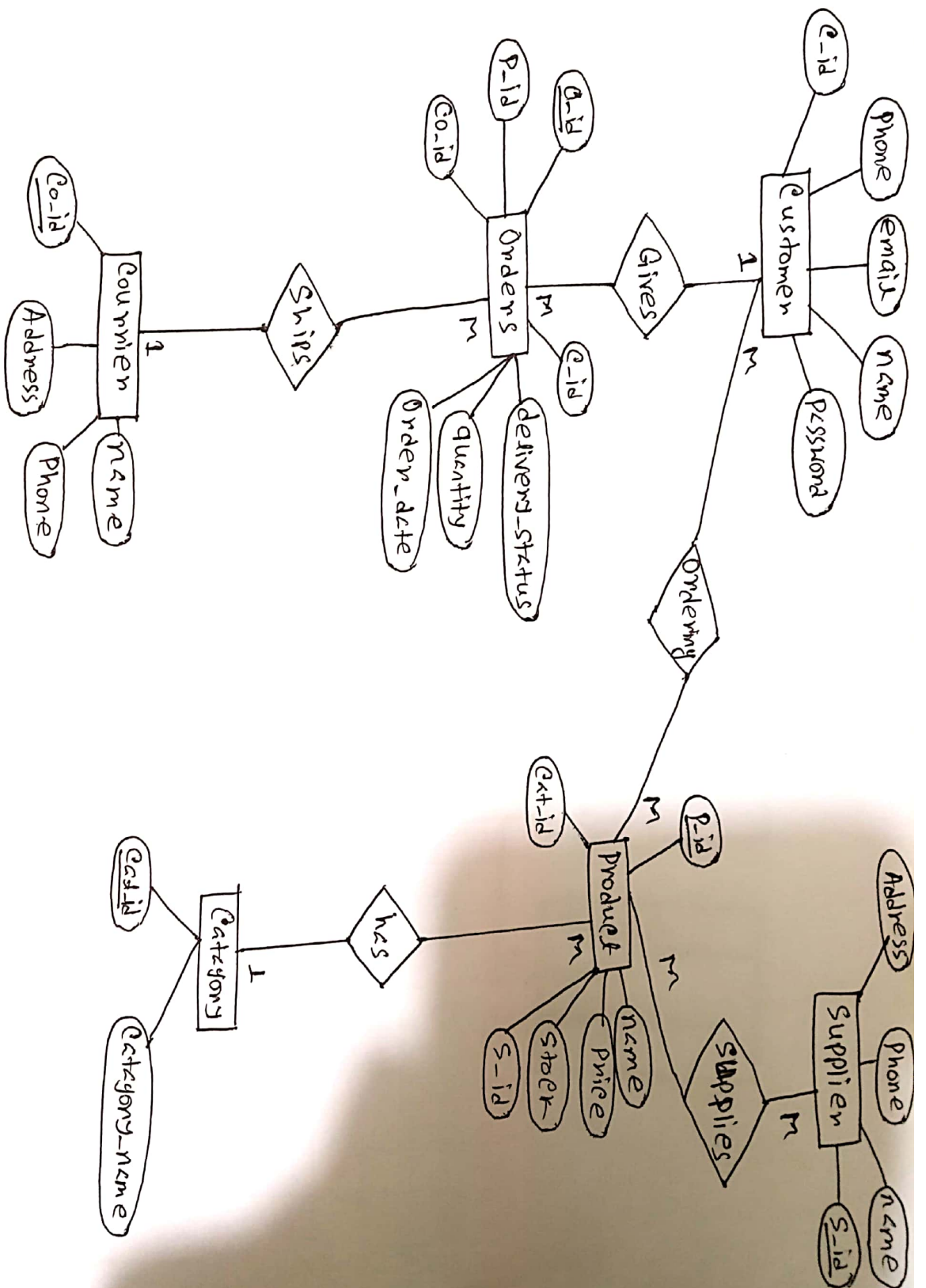
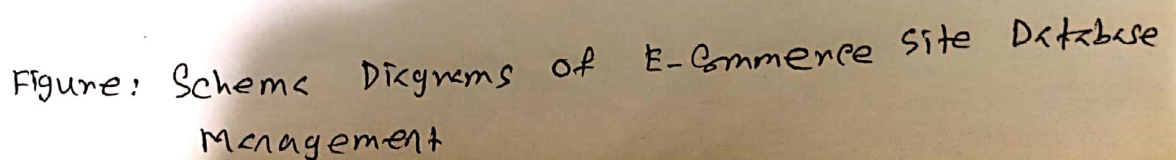


Figure: ER Diagrams of E-commerce site Database Management



## Discussion:

In my project, I have used Data Definition Language (DDL) such as table creation and Data modification Language (DML) such as Insertion, update and Delete.

I have also used PL/SQL (procedural Language/ Structured Query Language) is Oracle Corporation's procedural language extension for SQL and the Oracle relational database. PL/SQL includes procedural language elements such as conditions and loops.

We can declare constants and variables, procedures and functions, types and variables of those types, and triggers. We can handle exceptions (runtime errors) with this too.



## Conclusion:

Since E-commerce is boost day by day. Now people buy more things from E-commerce website than local market. So I decide to work on this project. The manual handling of needs is time consuming and highly prone to error. The purpose of the project is to automate or make the online process of day to day activities of buying and selling products and transaction relevant to this easily and securely.

## Reference:

① [www.tutorialspoint.com](http://www.tutorialspoint.com)

② [javatpoint.com/dbms-tutorial](http://javatpoint.com/dbms-tutorial)