E-COMMERCE TRANSACTION

Lab project report
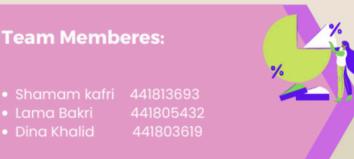
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Steps in the program

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- Create entites with attributes
- Create relations
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PROJECT AIM

The primary goal of e-commerce is to reach maximum customers at the right time to increase sales and profitability of the business.
Functions of e-commerce include buying and selling goods,
transmitting funds or data over the internet.

Description

The process of buying and selling products through electronic means such as mobile applications and the Internet. E-commerce refers to both online shopping and as well as electronic transactions.

Logical model

The logical model for the database includes nine entities:
• Suppliers (describes each Supplier in the E-commerce Transaction).
• Customers (describes each Customer in the E-commerce Transaction).
• Addresses (describes each Address in the E-commerce Transaction).
• Products (describes each product in the E-commerce Transaction).
• Customer_orders (describes each Customer_orders the E-commerce Transaction).
• Customer Addresses (describes each Customer Addresses the Ecommerce Transaction).
• Customer_orders_products(describes each Customer_orders_products in the E-commerce Transaction).
• Customer_orders_Delivery (describes each Customer_orders_Delivery in the E-commerce Transaction).
• Ref_Address_Types(describes each Ref_Address_Types in the Ecommerce Transaction).

Adding domains

In planning for your data needs, you have determined that several kinds of fields will occur in multiple kinds of records, and many fields can share a definition. For example, you have decided
that:
• The name of customer and supplier can be up to 30 characters each.
• Street address lines can be up to 40 characters.
• State codes (United States) are 2-character standard abbreviations.
• Zip codes (United States postal codes) can be up to 10 characters (nnnnn-nnnn).

DDL explanation

Generate Data Definition Language (DDL) statements that you can use to create database objects that reflect the models that you have designed. The DDL statements will implement the physical model

Reference

1- https://docs.oracle.com/cd/E39885_01/doc.40/e48205/tut_data_modeling.htm#DMDUG36175
2- https://docs.oracle.com/cd/E39885_01/doc.40/e48205/data_modeling.htm#DMDUG36079
3- https://www.youtube.com/watch?v=wsVh1zLmQb0
4- https://docs.oracle.com/cd/E39885_01/doc.40/e48205/data_modeling.htm#DMDUG25000