E-SHOPPING

DATABASE MANAGEMENT SYSTEM

A PROJECT

SUBMITTED IN COMPLETE FULFILLMENT OF THE REQUIREMENTS

FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF TECHNOLOGY

IN

INFORMATION TECHNOLOGY

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PROBLEM STATEMENT

A company wants to implement an E-Shopping Management System for its platform of Selling and Buying Products. First, they wish to store details of Customers like Customer_id,Name, contact and Address. The system stores details of Products in form of their categories like cat_id, cat_name, Along with this, Product details (Product Name, P_id) are also stored so that all Product details can be searched. Seller details are also stored separately (Seller Name,S_id) so that the information is readily available for the sellers of each kind of product. Shopping Orde (order_id and Date_of_order) maintains the details of order being placed by a customer. Delivery table stores information like (Delivery_id and Date_of_delivery) which helps to track the orders, Along witht this a payment Table stores (Pay_id and Date_of Payment) informing about the payment details and finally when the order is placed and payed for, Transaction Details are generated having report_id and other details from different tables as a foreign Key.

CONVERSION

Strong entities are converted to individual tables with primary attribute as their primary key.

Customer Entity -> CUSTOMER TABLE with Primary Key Customer_id
Categories Entity->CATEGORIES TABLE with Primary Key Cat_id

Entities with 1:N cardinality Ratio are converted into a Table with the Attributes of an entity with cardinality 1 and the Primary key of other as the Foreign Key

Shopping Order TABLE
order_id (Primary Key)
Customer_id (Foreign Key from CUSTOMER TABLE)

Since there are no composite attributes or multi valued attributes we do not need to split further in multiple tables