**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**