

❖ Project: Online Shopping System

- This “Online-Shopping-System” is a database system where a shop will have the facility to calculate and manage everything. It contains all the necessary details of all products, customers and employees on a daily, monthly and yearly basis. Through this system the manager of a shop can easily manages the functions of his shop.

❖ The main entities of the Online Shopping System are:

1. Customer
2. Products
3. Product Details
4. Employees
5. Oder Section
6. Payment System
7. Suppliers

❖ Online Shopping System Schema:

1. address – (Address_ID, Apartment_Number, Street, Customer_ID)
2. bill – (Billing_ID, Billing_Date, Amount_Paid, Voucher_ID, Payment_ID, Order_ID)
3. customer – (Customer_ID, First_Name, Last_Name, Phone_Number, Email_Address, Customer_Type)
4. customer category – (Customer_Catagory, Customer_ID)
5. Employees -- (Employee_ID, Employee_Name, SSN, Designation, Employee_Type, Salary, Payment_ID)
6. order product— (Quantity, Product_ID, Order_ID)
7. orders-- (Order_ID, Order_Date, Status, Shippent_Duration, Payment_ID)
8. payment-- (Payment_ID, Payment_Mode, Card_Type, Card_Number, CVV, Name_On_Card, Customer_ID)
9. product-- (Product_ID, Product_Name, Available_Number, Group_ID, Supplier_ID, Review_ID)
10. product details-- (Product_ID, Weight, Width, Height, Colour)
11. product group-- (Group_ID, Group_Name)
12. reviews -- (Quality_Rating, Defect%, Review_ID, Review_Date)
13. supplier-- (Supplier_ID, Supplier_Name, Supply_Quantity)
14. voucher-- (Voucher_ID, Discount%)
15. zip code-- (State, Zipcode_ID, City, Address_ID)

- ❖ Each entity (Customer, Products, Products details, Employee, Order Section, Payment System, Supplier) contains the primary key. There is one-to-one, many-to-many and one-to-many relationships available between reviews, voucher, zip-code, product-group, person and multi-value attributes are customer, employee. ‘Customer’ is a strong entity with identifier ‘Customer_id’ created to be the primary key used to distinguish between customer.

