

Relational Schema

1. Admin

adminID	INT NOT NULL PRIMARY KEY
email_ID	VARCHAR(255) NOT NULL
username	VARCHAR(255) UNIQUE NOT NULL
password	VARCHAR(255) NOT NULL

2.Customer

adminID	INT NOT NULL FOREIGN KEY REFERENCES Admin(adminID)
userID	INT NOT NULL AUTO_INCREMENT PRIMARY KEY
password	VARCHAR(255) NOT NULL
first_name	VARCHAR(255) NOT NULL
middle_name	VARCHAR(255)
last_name	VARCHAR(255)
email_ID	VARCHAR(255) NOT NULL

phone_ID	INT UNIQUE NOT NULL
date_of_birth	DATE NOT NULL
age	INT NOT NULL
house_number	INT NOT NULL
street_name	VARCHAR(255) NOT NULL
city	VARCHAR(255) NOT NULL
pincode	INT NOT NULL
state	VARCHAR(255) NOT NULL

3. phone_number_customers

phone_number	CHAR(15) NOT NULL PRIMARY KEY
phoneID	INT NOT NULL PRIMARY KEY FOREIGN KEY (phoneID) REFERENCES Customer(phoneID)

4.Coupons

adminID	INT NOT NULL
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	FOREIGN KEY (adminID) REFERENCES Admin(adminID)
coupanID	INT NOT NULL PRIMARY KEY
expiry_date	DATE NOT NULL
discount_percentage	INT NOT NULL
description	TEXT
coupan_code	VARCHAR(50) NOT NULL

5. Customer_uses_Coupons

userID	INT NOT NULL PRIMARY KEY FOREIGN KEY (userID) REFERENCES Customer(userID)
coupanID	INT NOT NULL PRIMARY KEY FOREIGN KEY (coupanID) REFERENCES Coupons(coupanID)

6.Product

adminID	INT NOT NULL FOREIGN KEY (adminID) REFERENCES Admin(adminID)
product_id	INT NOT NULL AUTO_INCREMENT PRIMARY KEY
name	VARCHAR(255) NOT NULL

description	TEXT
price	DECIMAL(10,2) NOT NULL

7.product_images

imageID	INT NOT NULL AUTO_INCREMENT PRIMARY KEY
productID	INT NOT NULL FOREIGN KEY (productID) REFERENCES Product(productID)
image_url	VARCHAR(255) NOT NULL

8.Category

categoryID	INT NOT NULL PRIMARY KEY
adminID	INT NOT NULL FOREIGN KEY (adminID) REFERENCES Admin(adminID)
category_name	VARCHAR(255) NOT NULL

9.Product_And_Category

categoryID	INT FOREIGN KEY (categoryID) REFERENCES Category(categoryID) NOT NULL
productID	INT NOT NULL PRIMARY KEY FOREIGN KEY (productID) REFERENCES Product(productID)

10.Delivery_Agent

adminID	INT NOT NULL FOREIGN KEY (adminID) REFERENCES Admin(adminID)
uniqueID	INT NOT NULL AUTO_INCREMENT PRIMARY KEY
first_name	VARCHAR(255) NOT NULL
middle_name	VARCHAR(255)
last_name	VARCHAR(255)
phoneID	INT UNIQUE NOT NULL

11. phone_number_deliveryAgents

phone_number	CHAR(15) NOT NULL PRIMARY KEY
phoneID	INT NOT NULL PRIMARY KEY FOREIGN KEY (phoneID) REFERENCES Delivery_Agent(phoneID)

12. Transactions

transactionID	INT NOT NULL UNIQUE PRIMARY KEY
date_of_transaction	DATE
amount	INT NOT NULL
transactions_status	VARCHAR(150) NOT NULL
payment_name	VARCHAR(255) NOT NULL

13. CustomersTransactions

userID	INT NOT NULL FOREIGN KEY (userID) REFERENCES Customer(userID)
transactionID	INT

	NOT NULL PRIMARY KEY FOREIGN KEY (transactionID) REFERENCES Transactions(transactionID)
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14.Review

reviewID	INT NOT NULL PRIMARY KEY
userID	INT NOT NULL FOREIGN KEY (userID) REFERENCES Customer(userID)
descriptionn	TEXT
review_date	DATE NOT NULL
review_rating	INT NOT NULL

15.Product_Review

reviewID	INT NOT NULL PRIMARY KEY FOREIGN KEY (reviewID) REFERENCES Review(reviewID)
productID	INT NOT NULL

	FOREIGN KEY (productID) REFERENCES Product(productID)
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16.Orders

orderID	INT NOT NULL PRIMARY KEY
userID	INT NOT NULL FOREIGN KEY (userID) REFERENCES Customer(userID)
house_number	INT NOT NULL
street_name	varchar(255) NOT NULL
city	varchar(255) NOT NULL
pincode	INT NOT NULL
state	varchar(255) NOT NULL
total_amount	INT NOT NULL

17.Order_has_Products

orderID	INT NOT NULL PRIMARY KEY FOREIGN KEY (orderID) REFERENCES Orders(orderID)
productID	INT NOT NULL PRIMARY KEY FOREIGN KEY (productID) REFERENCES

	Product(productID)
product_quantity	INT NOT NULL

18.OrderShipment

orderID	INT NOT NULL PRIMARY KEY FOREIGN KEY (orderID) REFERENCES Orders(orderID)
deliveryagentID	INT NOT NULL FOREIGN KEY (deliveryagentID) REFERENCES Delivery_Agent (uniqueID)
orderstatus	VARCHAR(255) NOT NULL

19.Coupan_And_Order

orderID	INT NOT NULL PRIMARY KEY FOREIGN KEY (orderID) REFERENCES Orders(orderID)
coupanID	INT NOT NULL FOREIGN KEY (coupanID) REFERENCES Coupans(coupanID)

20.Cart

cartID	INT NOT NULL PRIMARY KEY
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userID	INT NOT NULL FOREIGN KEY (userID) REFERENCES Customer(userID)
total_amount	INT

21.Cart_has_Products

cartID	INT NOT NULL PRIMARY KEY FOREIGN KEY (cartID) REFERENCES Cart(cartID)
productID	INT NOT NULL PRIMARY KEY FOREIGN KEY (productID) REFERENCES product(productID)
product_quantity	INT NOT NULL

22.transaction_for_order

orderID	INT NOT NULL FOREIGN KEY (orderID) REFERENCES Orders(orderID)
transactionID	INT NOT NULL PRIMARY KEY FOREIGN KEY (transactionID) REFERENCES Transactions(transactionID)