

# Database Management Submission 3

---

Aditya Gupta(2022031) , Chandan Sah(2022140),  
Dhruv Sharma(2022170) ,Tanmay Singhal(2022535)

(Group - 5)

February 9, 2024

**These are the tables in the database :**

## **1 Admin**

### **1.1 Columns names**

- AdminID - Unique identifier for each admin.
- Admin\_Name - Full name of the admin.
- Admin\_Role - Role or position of the admin within the system, such as a database administrator, system administrator, etc.

### **1.2 Primary Keys**

- AdminID

### **1.3 Foreign Keys**

- None

## **2 Customers**

### **2.1 Columns names**

- customer\_id - Unique identifier for each customer.
- Name\_of\_the\_customer - Full name of the customer.
- Delivery\_Address - Address where deliveries are made for this customer.
- AdminID - Unique identifier for each admin.

### **2.2 Primary Keys**

- customer\_id

### **2.3 Foreign Keys**

- AdminID references Admin(AdminID)

## **3 Customer\_phone\_number**

### **3.1 Columns names**

- Customer\_id - Unique identifier for each customer.
- Phone\_number - Phone number or email address of the customer

### **3.2 Primary Keys**

- (Customer\_id, Phone\_number)

### **3.3 Foreign Keys**

- Customer\_id references Customers(customer\_id)

## **4 Delivery\_partner**

### **4.1 Columns names**

- PartnerID - Unique identifier for each delivery partner.
- Name\_of\_the\_partner - Full name of the delivery partner
- Vehicle\_Details - Information about the vehicle used by the delivery partner
- Cumulative\_Rating - Overall rating based on feedback received from customers
- AdminID - Unique identifier for each admin.

### **4.2 Primary Keys**

- PartnerID

### **4.3 Foreign Keys**

- AdminID references Admin(AdminID)

## **5 Item**

### **5.1 Columns names**

- ProductID - Unique identifier for each item.
- Name\_of\_the\_item - Name or title of the item.
- Availability - Availability status of the item, indicating whether it is currently in stock or out of stock.
- Description - Description or details about the item, including features, specifications, etc.
- AdminID - Unique identifier for each admin.

### **5.2 Primary Keys**

- ProductID

### 5.3 Foreign Keys

- AdminID references Admin(AdminID)

## 6 Order

### 6.1 Columns names

- OrderID - Unique identifier for each order.
- Pick\_Up\_Location - Location from where the order is picked up.
- Drop\_Off\_Location - Location where the order is to be delivered.
- Trip\_Distance - Distance of the trip from pickup to drop-off.
- Trip\_Duration - Duration of the trip from pickup to drop-off.
- Feedback\_of\_the\_order - Customer's feedback about the order, including comments and ratings.
- Mode\_of\_payment - Method used for payment, such as credit card, cash on delivery, etc.
- Total\_Bill - Total amount charged for the order, including taxes and delivery charges.
- Trip\_Status - Current status of the trip (e.g., pending, completed, out for delivery).
- Notes - Additional notes or comments related to the order, such as special instructions for delivery.
- CustomerID - Unique identifier for each customer.
- PartnerID - Unique identifier for each delivery partner.

### 6.2 Primary Keys

- OrderID

### 6.3 Foreign Keys

- CustomerID references Customers(customer\_id)
- PartnerID references Delivery\_partner(PartnerID)

## 7 BelongsTo

### 7.1 Columns names

- OrderID - Unique identifier for each order.
- ProductID - Unique identifier for each item.

### 7.2 Primary Keys

- (OrderID, ProductID)

### **7.3 Foreign Keys**

- OrderID references Order(OrderID)
- ProductID references Item(ProductID)

## **8 Rated\_by**

### **8.1 Columns names**

- CustomerID - Unique identifier for each customer.
- PartnerID - Unique identifier for each delivery partner.

### **8.2 Primary Keys**

- (CustomerID, PartnerID)

### **8.3 Foreign Keys**

- CustomerID references Customers(customer\_id)
- PartnerID references Delivery\_partner(PartnerID)

## **9 Rates**

### **9.1 Columns names**

- CustomerID - Unique identifier for each customer.
- PartnerID - Unique identifier for each delivery partner.

### **9.2 Primary Keys**

- (CustomerID, PartnerID)

### **9.3 Foreign Keys**

- CustomerID references Customers(customer\_id)
- PartnerID references Delivery\_partner(PartnerID)

## **10 Sells**

### **10.1 Columns names**

- VendorID - Unique identifier for each vendor.
- ProductID - Unique identifier for each item.

### **10.2 Primary Keys**

- (VendorID, ProductID)

### 10.3 Foreign Keys

- VendorID references Vendor(VendorID)
- ProductID references Item(ProductID)

## 11 Shopping\_cart

### 11.1 Columns names

- Shopping\_Cart\_ID - Unique identifier for each shopping cart.
- Item\_details - Details of items in the cart.
- Total\_price - Total price of items in the cart.
- CustomerID - Unique identifier for each customer.

### 11.2 Primary Keys

- Shopping\_Cart\_ID

### 11.3 Foreign Keys

- CustomerID references Customers(customer\_id)

## 12 Vendor

### 12.1 Columns names

- VendorID - Unique identifier for each vendor.
- Name\_of\_the\_vendor - Full name of the vendor.
- Contact\_Details - Phone number or email address of the vendor.
- Address - Address of the vendor's shop.
- Total\_Transactions - Total number of transactions conducted by the vendor, including both successful and unsuccessful ones.
- Feedback - Feedback received from customers, including comments and ratings.
- Current\_Rating - Current rating based on feedback, calculated as an average of all ratings received.
- AdminID - Unique identifier for each admin.

### 12.2 Primary Keys

- VendorID

### 12.3 Foreign Keys

- AdminID references Admin(AdminID)

## 13 Involves

### 13.1 Columns names

- VendorID - Unique identifier for each vendor.
- OrderID - Unique identifier for each order.

### 13.2 Primary Keys

- (VendorID, OrderID)

### 13.3 Foreign Keys

- VendorID references Vendor(VendorID)
- OrderID references Order(OrderID)

## 14 Contributions

1. **Aditya Gupta(2022031)** - Creation of the tables using MySQL query , Adding constraints into the database , help in population of the data .
2. **Chandan Sah(2022140)** - Adding constraints in the database, help in population of the data .
3. **Dhruv Sharma(2022170)** - Adding constraints in the database, help in population of the data .
4. **Tanmay Singhal(2022535)** - documentation and population research .