Deadline-3

DBMS

INCLUSI-SHOP

—

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INTRODUCTION

Implementing the Database Scheme and Integrity constraints, and Populating data satisfying them

Tables Updated

1. Complaints table has been updated to product review
2. Complaint type weak entity has been updated to product reply weak entity set.

Columns added/renamed

1. Added CartID in Cart table.
2. Added Order Status, Order Date . Renamed Mode of payment to payment mode.
3. Product review contains following columns – Rating , Description, Review_ID
4. Product reply contains Reply ID,Reply text,Reply Date.
5. Product also contains Category, Company_Name, Name, Description.

Note - All significant changes have been mentioned . If any are left they will be updated in the ER Diagram later. All the changes are reflected in the SQL code.

SQL QUERIES for creating database and tables

CREATE DATABASE if not exists INCLUSISHOP;

USE INCLUSISHOP;

CREATE TABLE if not exists Users (

    UserID int PRIMARY KEY not null,

    firstname varchar(255) not null,

    lastname varchar(255) not null,

    Age int,

    Gender varchar(225) not null,

    PhoneNumber1 bigint not null,

    EmailAddress1 varchar(255) not null,

    State varchar(255) not null,

    City varchar(255) not null,

    Street varchar(255) not null,

    ApartmentNo varchar(255) not null,

    Pincode varchar(255) not null,

    isPremiumMember varchar(225) not null

);

ALTER TABLE Users MODIFY PhoneNumber1 BIGINT;

- DROP TABLE IF EXISTS premiummember;

CREATE TABLE if not exists premiummember (

    MembershipNo INT PRIMARY KEY not null,

```
    Duration INT not null,

    TransactionID INT not null,

    UserID int not null ,

    foreign key (UserID) references Users(UserID)

);

-- DROP TABLE IF EXISTS admin;
```

CREATE TABLE if not exists Admin (

```
    Name VARCHAR(255) not null ,

    AdminID INT PRIMARY KEY,

    Password VARCHAR(255) not null

);

-- DROP TABLE IF EXISTS ngos;--
```

CREATE TABLE if not exists NGOs (

```
    Name VARCHAR(255) not null,

    CompanyID INT PRIMARY KEY,

    Description TEXT,

    Email VARCHAR(255) not null,

    Address TEXT,

    ContactNumber VARCHAR(20)not null

); --  DROP TABLE IF EXISTS cart;
```

CREATE TABLE IF NOT EXISTS Cart (

```
    CartID INT PRIMARY KEY,
```

```
    UserID INT NOT NULL,

    FOREIGN KEY (UserID) REFERENCES Users(UserID),

    NumberOfItems INT NOT NULL,

    TotalAmount DECIMAL(10, 2) NOT NULL

);
```

CREATE TABLE if not exists OrderTable (

```
    OrderID INT PRIMARY KEY Not null,

    CartID int not null,

    foreign key (CartID) references Cart(cartID),

    Discount FLOAT,

    Price FLOAT, – total amount

    State VARCHAR(50),

    City VARCHAR(50),

    PaymentMode VARCHAR(50),

    Street TEXT,

    Pincode INT,

    TransactionID INT,

    ProductAmount FLOAT,

    DeliveryAgentID int not null,

    SupplierID int not null,

    UserID int,

    foreign key (DeliveryAgentID) references DeliveryAgent(ID),

    foreign key (SupplierID) references Supplier(SupplierID),

    foreign key (UserID) references Users(UserID) ,

    OrderDate date NOT NULL,
```

OrderStatus varchar(255)

– Add this line

);

– DROP TABLE IF EXISTS `logincredentials`;

CREATE TABLE if not exists LoginCredentials(

UserID int not null,

Username varchar (50) primary key not null ,

foreign key (UserID) references Users(UserID) ,

Password varchar (50) not null

);

CREATE TABLE if not exists DeliveryAgent(

ID int primary key not null ,

FirstName varchar (50) not null ,

LastName varchar (50) not null ,

Age int not null ,

Gender varchar (50) not null ,

City varchar (50) not null ,

State varchar (50) not null ,

Street text ,

Apartmentno varchar (50) not null ,

Pincode int ,

Product text ,

Email varchar (100) ,

Phone_number varchar (15) ,

AccountNo varchar(100),

IFSCcode varchar(100),

License_code text ,

UPI_ID varchar(100) ,

Salary float

);

– DROP TABLE IF EXISTS productreview;

CREATE TABLE if not exists ProductReview(

UserID int not null,

foreign key (UserID) references Users(UserID) ,

Rating float not null ,

Description varchar(100),

Review_ID int primary key

);

CREATE TABLE if not exists ReviewReply (

ReviewReplyID INT PRIMARY KEY,

Review_ID INT NOT NULL,

FOREIGN KEY (Review_ID) REFERENCES ProductReview(Review_ID),

UserID INT NOT NULL,

FOREIGN KEY (UserID) REFERENCES Users(UserID),

ReplyText VARCHAR(255) NOT NULL,

ReplyDate VARCHAR(50));–

DROP TABLE IF EXISTS product;

CREATE TABLE if not exists Product(

```sql
    Product_ID int primary key not null ,

    Name text  not null  ,

    Description text ,

    SupplierID int not null,

    foreign key (SupplierID) references Supplier(SupplierID),

    Company_name text not null ,

    Category text ,

    Status boolean

);
```

CREATE Table if not exists Supplier(

```sql
Name Text,

SupplierID int Primary Key Not Null,

State Text Not Null,

City Text Not Null,

Street Text Not Null,

Appartmentnumber Int ,

Phone_number varchar (15) ,

AccountNumber bigint   ,

IFSCcode int ,

UPI_id varchar(100)

);
– DELETE FROM Users WHERE UserID BETWEEN 1 AND 20;
```

Relationship Schema(Tables Created)

Users (UserID, firstname, lastname, Age, Gender, PhoneNumber1, EmailAddress1, State, City, Street, ApartmentNo, Pincode, isPremiumMember)

PremiumMember (MembershipNo, Duration, TransactionID, UserID)

Admin (Name, AdminID, Password)

NGOs (Name, CompanyID, Description, Email, Address, ContactNumber)

Cart (CartID, UserID, NumberOfItems, TotalAmount)

OrderTable (OrderID, CartID, Discount, Price, State, City, PaymentMode, Street, Pincode, TransactionID, ProductAmount, DeliveryAgentID, SupplierID, UserID, OrderDate, OrderStatus)

LoginCredentials (UserID, Username, Password)

DeliveryAgent (ID, FirstName, LastName, Age, Gender, City, State, Street, Apartmentno, Pincode, Product, Email, Phone_number, AccountNo, IFSCcode, License_code, UPI_ID, Salary)

ProductReview (UserID, Rating, Description, Review_ID)

ReviewReply (ReviewReplyID, Review_ID, UserID, ReplyText, ReplyDate)

Product (Product_ID, Name, Description, SupplierID, Company_name, Category, Status)

Supplier (Name, SupplierID, State, City, Street, Appartmentnumber, Phone_number, AccountNumber, IFSCcode, UPI_id)

SQL QUERIES for inserting data into tables

INSERT INTO Users (UserID, firstname, lastname, Age, Gender, PhoneNumber1, EmailAddress1, State, City, Street, ApartmentNo, Pincode, isPremiumMember)

VALUES

(1, 'Rahul', 'Gupta', 28, 'Male', 919876543210, 'rahul.gupta@example.com', 'Maharashtra', 'Mumbai', 'Bandra West', 'Apt 101', '400050', 'Yes'),

(2, 'Priya', 'Sharma', 32, 'Female', 919876543211, 'priya.sharma@example.com', 'Delhi', 'New Delhi', 'Connaught Place', 'Apt 202', '110001', 'No'),

(3, 'Amit', 'Patel', 35, 'Male', 919876543212, 'amit.patel@example.com', 'Gujarat', 'Ahmedabad', 'Ellis Bridge', 'Apt 303', '380006', 'Yes'),

(4, 'Neha', 'Sinha', 30, 'Female', 919876543213, 'neha.sinha@example.com', 'Uttar Pradesh', 'Lucknow', 'Hazratganj', 'Apt 404', '226001', 'No'),

(5, 'Raj', 'Kumar', 33, 'Male', 919876543214, 'raj.kumar@example.com', 'Tamil Nadu', 'Chennai', 'T Nagar', 'Apt 505', '600017', 'Yes'),

(6, 'Anjali', 'Verma', 29, 'Female', 919876543215, 'anjali.verma@example.com', 'West Bengal', 'Kolkata', 'Park Street', 'Apt 606', '700016', 'No'),

(7, 'Vikram', 'Singh', 40, 'Male', 919876543216, 'vikram.singh@example.com', 'Karnataka', 'Bangalore', 'Indiranagar', 'Apt 707', '560038', 'Yes'),

(8, 'Deepika', 'Yadav', 27, 'Female', 919876543217, 'deepika.yadav@example.com', 'Telangana', 'Hyderabad', 'Banjara Hills', 'Apt 808', '500034', 'No'),

(9, 'Rakesh', 'Joshi', 31, 'Male', 919876543218, 'rakesh.joshi@example.com', 'Rajasthan', 'Jaipur', 'Vaishali Nagar', 'Apt 909', '302021', 'Yes'),

(10, 'Pooja', 'Gupta', 26, 'Female', 919876543219, 'pooja.gupta@example.com', 'Kerala', 'Kochi', 'MG Road', 'Apt 1010', '682011', 'No'),

(11, 'Sanjay', 'Kumar', 37, 'Male', 919876543220, 'sanjay.kumar@example.com', 'Punjab', 'Chandigarh', 'Sector 17', 'Apt 1111', '160017', 'Yes'),

(12, 'Meera', 'Shah', 34, 'Female', 919876543221, 'meera.shah@example.com', 'Madhya Pradesh', 'Indore', 'MG Road', 'Apt 1212', '452001', 'No'),

(13, 'Arjun', 'Sinha', 39, 'Male', 919876543222, 'arjun.sinha@example.com', 'Bihar', 'Patna', 'Frazer Road', 'Apt 1313', '800001', 'Yes'),

(14, 'Nisha', 'Goyal', 25, 'Female', 919876543223, 'nisha.goyal@example.com', 'Assam', 'Guwahati', 'GS Road', 'Apt 1414', '781001', 'No'),

(15, 'Manish', 'Verma', 36, 'Male', 919876543224, 'manish.verma@example.com', 'Odisha', 'Bhubaneswar', 'Master Canteen', 'Apt 1515', '751001', 'Yes'),

(16, 'Sakshi', 'Mishra', 33, 'Female', 919876543225, 'sakshi.mishra@example.com', 'Haryana', 'Gurgaon', 'MG Road', 'Apt 1616', '122002', 'No'),

(17, 'Alok', 'Singh', 38, 'Male', 919876543226, 'alok.singh@example.com', 'Jharkhand', 'Ranchi', 'Main Road', 'Apt 1717', '834001', 'Yes'),

(18, 'Radha', 'Patel', 29, 'Female', 919876543227, 'radha.patel@example.com', 'Chhattisgarh', 'Raipur', 'Pandri', 'Apt 1818', '492001', 'No'),

(19, 'Vivek', 'Mishra', 42, 'Male', 919876543228, 'vivek.mishra@example.com', 'Uttarakhand', 'Dehradun', 'Rajpur Road', 'Apt 1919', '248001', 'Yes'),

(20, 'Shalini', 'Sharma', 31, 'Female', 919876543229, 'shalini.sharma@example.com', 'Goa', 'Panaji', '18th June Road', 'Apt 2020', '403001', 'No');

INSERT INTO PremiumMember (MembershipNo, Duration, TransactionID, UserID)

VALUES

(1, 3, 101, 1), – Rahul Gupta

(2, 6, 102, 2), – Priya Sharma

(3, 12, 103, 3), – Amit Patel

(4, 1, 104, 4), – Neha Sinha

(5, 9, 105, 5), – Raj Kumar

(6, 4, 106, 6), – Anjali Verma

(7, 2, 107, 7), – Vikram Singh

(8, 8, 108, 8), – Deepika Yadav

(9, 5, 109, 9), – Rakesh Joshi

(10, 7, 110, 10), – Pooja Gupta

(11, 11, 111, 11), – Sanjay Kumar

(12, 10, 112, 12), – Meera Shah

(13, 3, 113, 13), – Arjun Sinha

(14, 6, 114, 14), – Nisha Goyal

(15, 12, 115, 15), – Manish Verma

(16, 1, 116, 16), – Sakshi Mishra

(17, 9, 117, 17), – Alok Singh

(18, 4, 118, 18), – Radha Patel

(19, 2, 119, 19), – Vivek Mishra

(20, 8, 120, 20); – Shalini Sharma

INSERT INTO Admin (Name, AdminID, Password)

VALUES

('Yashovardhan', 1, 'catalan');

INSERT INTO NGOs (Name, CompanyID, Description, Email, Address, ContactNumber)

VALUES

('Wings of Freedom Foundation', 1, 'Empowering para-athletes to spread their wings and achieve their dreams.', 'info@wingsoffreedom.org', '123 Main Street, Mumbai, Maharashtra', '+91 9876543210'),

('Enable Sports Association', 2, 'Promoting inclusivity through sports for people with disabilities, especially para-athletes.', 'contact@enablesports.org', '456 Park Avenue, New Delhi, Delhi', '+91 9876543211'),

('WheelPower India', 3, 'Providing wheelchairs and support for para-athletes to excel in their chosen sports.', 'support@wheelpowerindia.com', '789 Rajiv Gandhi Road, Bangalore, Karnataka', '+91 9876543212'),

('ParaChampions Foundation', 4, 'Training and supporting para-athletes to become champions in their respective fields.', 'info@parachampions.org', '101 Victory Lane, Chennai, Tamil Nadu', '+91 9876543213'),

('Inclusive Sports Trust', 5, 'Fostering an inclusive environment for para-athletes to participate and succeed in sports.', 'contact@inclusivesportstrust.org', '567 Gandhi Nagar, Kolkata, West Bengal', '+91 9876543214');

INSERT INTO Cart (CartID, UserID, NumberOfItems, TotalAmount)

VALUES

(1, 1, 0, 0.00),

(2, 2, 0, 0.00),

(3, 3, 0, 0.00),

(4, 4, 0, 0.00),

(5, 5, 0, 0.00),

(6, 6, 0, 0.00),

(7, 7, 0, 0.00),

(8, 8, 0, 0.00),

(9, 9, 0, 0.00),

(10, 10, 0, 0.00),

(11, 11, 0, 0.00),

(12, 12, 0, 0.00),

(13, 13, 0, 0.00),

(14, 14, 0, 0.00),

(15, 15, 0, 0.00),

(16, 16, 0, 0.00),

(17, 17, 0, 0.00),

(18, 18, 0, 0.00),

(19, 19, 0, 0.00),

(20, 20, 0, 0.00);

INSERT INTO Supplier (Name, SupplierID, State, City, Street, Appartmentnumber, Phone_number, AccountNumber, IFSCcode, UPI_id)

VALUES

('ParaSports Emporium', 1, 'Maharashtra', 'Mumbai', 'Bandra West', 101, '919876543210', 1234567890123456, 123456, 'parasports@example.com'),

('Adaptive Equipment Co.', 2, 'Delhi', 'New Delhi', 'Connaught Place', 202, '919876543211', 2345678901234567, 234567, 'adaptive@example.com'),

('ParaProsthetics Ltd.', 3, 'Karnataka', 'Bangalore', 'Indiranagar', 303, '919876543212', 3456789012345678, 345678, 'paraprosthetics@example.com'),

('Wheelchairs & More', 4, 'Tamil Nadu', 'Chennai', 'T Nagar', 404, '919876543213', 4567890123456789, 456789, 'wheelchairs@example.com'),

('Athletic Aids Co.', 5, 'Rajasthan', 'Jaipur', 'Vaishali Nagar', 505, '919876543214', 5678901234567890, 567890, 'athleticaids@example.com');

INSERT INTO DeliveryAgent (ID, FirstName, LastName, Age, Gender, City, State, Street, Apartmentno, Pincode, Product, Email, Phone_number, AccountNo, IFSCcode, License_code, UPI_ID, Salary)

VALUES

(1, 'Amit', 'Sharma', 32, 'Male', 'New Delhi', 'Delhi', 'Park Avenue', 'Apt 101', 110001, 'Wheelchairs', 'amit.sharma@example.com', '919876543210', 'ACC123456789', 'IFSC1234', 'DL123456789', 'amit.sharma@upi', 25000.00),

(2, 'Priya', 'Patel', 28, 'Female', 'Mumbai', 'Maharashtra', 'Main Street', 'Apt 202', 400050, 'Prosthetic limbs', 'priya.patel@example.com', '919876543211', 'ACC234567890', 'IFSC2345', 'DL234567890', 'priya.patel@upi', 28000.00),

(3, 'Rahul', 'Singh', 35, 'Male', 'Bangalore', 'Karnataka', 'Indiranagar', 'Apt 303', 560038, 'Blindfold goggles', 'rahul.singh@example.com', '919876543212', 'ACC345678901', 'IFSC3456', 'DL345678901', 'rahul.singh@upi', 27000.00),

(4, 'Neha', 'Yadav', 30, 'Female', 'Hyderabad', 'Telangana', 'Banjara Hills', 'Apt 404', 500034, 'Hearing aids', 'neha.yadav@example.com', '919876543213', 'ACC456789012', 'IFSC4567', 'DL456789012', 'neha.yadav@upi', 26000.00),

(5, 'Rakesh', 'Gupta', 33, 'Male', 'Jaipur', 'Rajasthan', 'Vaishali Nagar', 'Apt 505', 302021, 'Sports wheelchairs', 'rakesh.gupta@example.com', '919876543214', 'ACC567890123', 'IFSC5678', 'DL567890123', 'rakesh.gupta@upi', 30000.00),

(6, 'Anjali', 'Verma', 29, 'Female', 'Kolkata', 'West Bengal', 'Park Street', 'Apt 606', 700016, 'Wheelchair gloves', 'anjali.verma@example.com', '919876543215', 'ACC678901234', 'IFSC6789', 'DL678901234', 'anjali.verma@upi', 27000.00),

(7, 'Vikram', 'Singh', 40, 'Male', 'Chennai', 'Tamil Nadu', 'T Nagar', 'Apt 707', 600017, 'Handcycles', 'vikram.singh@example.com', '919876543216', 'ACC789012345', 'IFSC7890', 'DL789012345', 'vikram.singh@upi', 32000.00),

(8, 'Deepika', 'Yadav', 27, 'Female', 'Indore', 'Madhya Pradesh', 'MG Road', 'Apt 808', 452001, 'Track and field equipment', 'deepika.yadav@example.com', '919876543217', 'ACC890123456', 'IFSC8901', 'DL890123456', 'deepika.yadav@upi', 28000.00),

(9, 'Sanjay', 'Kumar', 37, 'Male', 'Patna', 'Bihar', 'Frazer Road', 'Apt 909', 800001, 'Sports prostheses', 'sanjay.kumar@example.com', '919876543218', 'ACC901234567', 'IFSC9012', 'DL901234567', 'sanjay.kumar@upi', 30000.00),

(10, 'Pooja', 'Gupta', 26, 'Female', 'Guwahati', 'Assam', 'GS Road', 'Apt 1010', 781001, 'Sports wheelchairs accessories', 'pooja.gupta@example.com', '919876543219', 'ACC012345678', 'IFSC0123', 'DL012345678', 'pooja.gupta@upi', 27000.00);

INSERT INTO Product (Product_ID, Name, Description, SupplierID, Company_name, Category, Status)

VALUES

(1, 'Sports Wheelchair', 'A lightweight and durable wheelchair designed specifically for sports activities.', 1, 'Wheelchair Emporium', 'Wheelchairs', true),

(2, 'Prosthetic Limb', 'High-quality prosthetic limb suitable for para-athletes to enhance mobility.', 2, 'Limbs R Us', 'Prosthetics', true),

(3, 'Blindfold Goggles', 'Special goggles designed to block vision for blindfolded sports competitions.', 3, 'Vision Solutions', 'Equipment', true),

(4, 'Hearing Aid', 'Advanced hearing aid technology to assist para-athletes with hearing impairments.', 4, 'Hearing Technologies', 'Assistive Devices', true),

(5, 'Handcycle', 'An ergonomic hand-operated cycle for upper body exercise and mobility.', 5, 'Cycle Innovations', 'Cycles', true),

(6, 'Wheelchair Gloves', 'Durable gloves designed to provide grip and comfort for wheelchair users during sports activities.', 1, 'Wheelchair Emporium', 'Accessories', true),

(7, 'Track and Field Equipment', 'Various equipment such as javelins, shot puts, and racing chairs designed for track and field events.', 2, 'Athletic Gear Co.', 'Equipment', true),

(8, 'Sports Prostheses', 'Specialized prosthetic devices designed specifically for para-athletes to participate in sports.', 3, 'Prosthetic Solutions', 'Prosthetics', true),

(9, 'Sports Wheelchair Accessories', 'Accessories such as cushions, tires, and push rims to customize and maintain sports wheelchairs.', 1, 'Wheelchair Emporium', 'Accessories', true),

(10, 'Track Racing Chair', 'A lightweight and aerodynamic racing wheelchair designed for track competitions.', 5, 'Race Wheels Inc.', 'Wheelchairs', true);

INSERT INTO OrderTable (

  OrderID, CartID, Discount, Price, State, City, PaymentMode, Street, Pincode, TransactionID, ProductAmount, DeliveryAgentID, SupplierID, UserID, OrderDate, OrderStatus)

 VALUES

(1, 1, 0.1, 500.00, 'Maharashtra', 'Mumbai', 'UPI', 'Main Street', 400050, 101, 450.00, 1, 1, 1, '2024-02-12', 'Delivered'),

(2, 2, 0.05, 700.00, 'Delhi', 'New Delhi', 'Cash on Delivery', 'Park Avenue', 110001, 102, 650.00, 2, 2, 2, '2024-02-11', 'Pending),

(3, 3, 0.2, 1200.00, 'Tamil Nadu', 'Chennai', 'Credit Card', 'MG Road', 600017, 103, 1000.00, 3, 3, 3, '2024-02-10', 'Shipped'),

(4, 4, 0.15, 800.00, 'Karnataka', 'Bangalore', 'Net Banking', 'Indiranagar', 560038, 104, 680.00, 4, 4, 4, '2024-02-09', 'Processing'),

(5, 5, 0.1, 600.00, 'Rajasthan', 'Jaipur', 'UPI', 'Vaishali Nagar', 302021, 105, 540.00, 5, 5, 5, '2024-02-08', 'Delivered');

INSERT INTO ReviewReply (ReviewReplyID, Review_ID, UserID, ReplyText, ReplyDate)

VALUES

(1, 1, 2, 'Thank you for your review! We\'re glad you enjoyed the product.', '2024-02-12'),

(2, 3, 4, 'We apologize for any inconvenience caused. Please contact our customer support for assistance.', '2024-02-11'),

(3, 5, 1, 'We appreciate your feedback! Your satisfaction is our priority.', '2024-02-10'),

(4, 1, 3, 'We\'re sorry to hear about your experience. We\'ll work to improve our products and services.', '2024-02-09'),

(5, 6, 5, 'Thank you for bringing this to our attention. We\'ll look into the issue and address it promptly.', '2024-02-08');

INSERT INTO LoginCredentials (UserID, Username, Password)

VALUES

(1, 'rahul_gupta', 'Rahul@123'),

(2, 'priya_sharma', 'Priya@456'),

(3, 'amit_patel', 'Amit@789'),

(4, 'neha_sinha', 'Neha@101'),

(5, 'raj_kumar', 'Raj@202'),

(6, 'anjali_verma', 'Anjali@303'),

(7, 'vikram_singh', 'Vikram@404'),

(8, 'deepika_yadav', 'Deepika@505'),

(9, 'rakesh_joshi', 'Rakesh@606'),

(10, 'pooja_gupta', 'Pooja@707'),

(11, 'sanjay_kumar', 'Sanjay@808'),

(12, 'meera_shah', 'Meera@909'),

(13, 'arjun_sinha', 'Arjun@1010'),

(14, 'nisha_goyal', 'Nisha@1111'),

(15, 'manish_verma', 'Manish@1212'),

(16, 'sakshi_mishra', 'Sakshi@1313'),

(17, 'alok_singh', 'Alok@1414'),

(18, 'radha_patel', 'Radha@1515'),

(19, 'vivek_mishra', 'Vivek@1616'),

(20, 'shalini_sharma', 'Shalini@1717');

INSERT INTO ProductReview (UserID, Rating, Description, Review_ID)

VALUES

(1, 4.5, 'Great wheelchair! Very comfortable and sturdy.', 1),

(2, 5.0, 'The prosthetic limb fits perfectly and is very lightweight.', 2),

(3, 4.0, 'Good quality blindfold goggles. Could be more adjustable.', 3),

(4, 4.2, 'The hearing aids work well, but the battery life could be improved.', 4),

(5, 4.8, 'Excellent sports wheelchair accessories! Highly recommend.', 5),

(6, 4.6, 'Wheelchair gloves provide great grip and comfort.', 6),

(7, 4.9, 'Handcycle is fantastic for outdoor activities.', 7),

(8, 4.3, 'Track and field equipment is of good quality.', 8),

(9, 4.7, 'Sports prostheses are durable and functional.', 9),

(10, 4.4, 'Sports wheelchairs accessories are very useful.', 10);

Tables with inserted Values (For reference)

Admin

Name	AdminID	Password
▶ Yashovardhan	1	catalan
NULL	NULL	NULL

DeliveryAgent

ID	FirstName	LastName	Age	Gender	City	State	Street	Apartment	Pincode	Product	Email	Phone_num	AccountNo	IFSCcode	License_co	UPI_ID	Salary
1	Amit	Sharma	32	Male	New Delhi	Delhi	Park Avenu	Apt 101	110001	Wheelchair	amit.sharm	9.2E+11	ACC123456	IFSC1234	DL1234567	amit.sharm	25000
2	Priya	Patel	28	Female	Mumbai	Maharasht	Main Stree	Apt 202	400050	Prosthetic l	priya.patel	9.2E+11	ACC234567	IFSC2345	DL2345678	priya.patel	28000
3	Rahul	Singh	35	Male	Bangalore	Karnataka	Indiranaga	Apt 303	560038	Blindfold g	rahul.singh	9.2E+11	ACC345678	IFSC3456	DL3456789	rahul.singh	27000
4	Neha	Yadav	30	Female	Hyderabad	Telangana	Banjara Hil	Apt 404	500034	Hearing aic	neha.yadav	9.2E+11	ACC456789	IFSC4567	DL456789C	neha.yadav	26000
5	Rakesh	Gupta	33	Male	Jaipur	Rajasthan	Vaishali Na	Apt 505	302021	Sports whe	rakesh.gup	9.2E+11	ACC56789C	IFSC5678	DL5678901	rakesh.gup	30000
6	Anjali	Verma	29	Female	Kolkata	West Beng	Park Street	Apt 606	700016	Wheelchair	anjali.verm	9.2E+11	ACC678901	IFSC6789	DL6789012	anjali.verm	27000
7	Vikram	Singh	40	Male	Chennai	Tamil Nadu	T Nagar	Apt 707	600017	Handcycles	vikram.sing	9.2E+11	ACC789012	IFSC7890	DL7890123	vikram.sing	32000
8	Deepika	Yadav	27	Female	Indore	Madhya Pr	MG Road	Apt 808	452001	Track and f	deepika.ya	9.2E+11	ACC890123	IFSC8901	DL8901234	deepika.ya	28000
9	Sanjay	Kumar	37	Male	Patna	Bihar	Frazer Roac	Apt 909	800001	Sports pros	sanjay.kum	9.2E+11	ACC901234	IFSC9012	DL9012345	sanjay.kum	30000
10	Pooja	Gupta	26	Female	Guwahati	Assam	GS Road	Apt 1010	781001	Sports whe	pooja.gupt	9.2E+11	ACC012345	IFSC0123	DL0123456	pooja.gupt	27000

Cart

CartID	UserID	NumberOfItems	TotalAmount
1	1	0	0.00
2	2	0	0.00
3	3	0	0.00
4	4	0	0.00
5	5	0	0.00
6	6	0	0.00
7	7	0	0.00
8	8	0	0.00
9	9	0	0.00
10	10	0	0.00
11	11	0	0.00
12	12	0	0.00
13	13	0	0.00
14	14	0	0.00
15	15	0	0.00
16	16	0	0.00
17	17	0	0.00
18	18	0	0.00
19	19	0	0.00
20	20	0	0.00
NULL	NULL	NULL	NULL

LoginCredentials

UserID	Username	Password
17	alok_singh	Alok@1414
3	amit_patel	Amit@789
6	anjali_verma	Anjali@303
13	arjun_sinha	Arjun@1010
8	deepika_yadav	Deepika@505
15	manish_verma	Manish@1212
12	meera_shah	Meera@909
4	neha_sinha	Neha@101
14	nisha_goyal	Nisha@1111
10	pooja_gupta	Pooja@707
2	priya_sharma	Priya@456
18	radha_patel	Radha@1515
1	rahul_gupta	Rahul@123
5	raj_kumar	Raj@202
9	rakesh_joshi	Rakesh@606
16	sakshi_mishra	Sakshi@1313
11	sanjay_kumar	Sanjay@808
20	shalini_sharma	Shalini@1717
7	vikram_singh	Vikram@404
19	vivek_mishra	Vivek@1616
NULL	NULL	NULL

NGOS

Name	CompanyID	Description	Email	Address	ContactNumber
Wings of Freedom Foundation	1	Empowering para-athletes to spread their wings...	info@wingsoffreedom.org	123 Main Street, Mumbai, Maharashtra	+91 9876543210
Enable Sports Association	2	Promoting inclusivity through sports for people ...	contact@enablesports.org	456 Park Avenue, New Delhi, Delhi	+91 9876543211
WheelPower India	3	Providing wheelchairs and support for para-athl...	support@wheelpowerindia.com	789 Rajiv Gandhi Road, Bangalore, Karnataka	+91 9876543212
ParaChampions Foundation	4	Training and supporting para-athletes to becom...	info@parachampions.org	101 Victory Lane, Chennai, Tamil Nadu	+91 9876543213
Inclusive Sports Trust	5	Fostering an inclusive environment for para-athl...	contact@inclusivesportstrust.org	567 Gandhi Nagar, Kolkata, West Bengal	+91 9876543214
NULL	NULL	NULL	NULL	NULL	NULL

Ordertable

OrderID	CartID	Discount	Price	State	City	PaymentMode	Street	Pincode	TransactionID	ProductAmount	DeliveryAgentID	SupplierID	UserID	OrderDate	OrderStatus
1	1	0.1	500	Maharashtra	Mumbai	UPI	Main Street	400050	101	450	1	1	1	2024-02-12	Delivered
2	2	0.05	700	Delhi	New Delhi	Cash on Delivery	Park Avenue	110001	102	650	2	2	2	2024-02-11	Pending
3	3	0.2	1200	Tamil Nadu	Chennai	Credit Card	MG Road	600017	103	1000	3	3	3	2024-02-10	Shipped
4	4	0.15	800	Karnataka	Bangalore	Net Banking	Indiranagar	560038	104	680	4	4	4	2024-02-09	Processing
5	5	0.1	600	Rajasthan	Jaipur	UPI	Vaishali Nagar	302021	105	540	5	5	5	2024-02-08	Delivered
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

PremiumMember

MembershipNo	Duration	TransactionID	UserID
1	3	101	1
2	6	102	2
3	12	103	3
4	1	104	4
5	9	105	5
6	4	106	106
7	2	107	7
8	8	108	8
9	5	109	9
10	7	110	10
11	11	111	11
12	10	112	12
13	3	113	13
14	6	114	14
15	12	115	15
16	1	116	16
17	9	117	17
18	4	118	18
19	2	119	19
20	8	120	20
NULL	NULL	NULL	NULL

Product

Product_ID	Name	Description	SupplierID	Company_name	Category	Status
1	Sports Wheelchair	A lightweight and durable wheelchair designed s...	1	Wheelchair Emporium	Wheelchairs	1
2	Prosthetic Limb	High-quality prosthetic limb suitable for para-at...	2	Limbs R Us	Prosthetics	1
3	Blindfold Goggles	Special goggles designed to block vision for blin...	3	Vision Solutions	Equipment	1
4	Hearing Aid	Advanced hearing aid technology to assist para...	4	Hearing Technologies	Assistive Devices	1
5	Handcycle	An ergonomic hand-operated cycle for upper bo...	5	Cycle Innovations	Cycles	1
6	Wheelchair Gloves	Durable gloves designed to provide grip and co...	1	Wheelchair Emporium	Accessories	1
7	Track and Field Equipment	Various equipment such as javelins, shot puts, ...	2	Athletic Gear Co.	Equipment	1
8	Sports Prostheses	Specialized prosthetic devices designed specific...	3	Prosthetic Solutions	Prosthetics	1
9	Sports Wheelchair Accessories	Accessories such as cushions, tires, and push ri...	1	Wheelchair Emporium	Accessories	1
10	Track Racing Chair	A lightweight aerodynamic racing wheelchai...	5	Race Wheels Inc.	Wheelchairs	1
NULL	NULL			NULL	NULL	NULL	NULL

ProductReview

UserID	Rating	Description	Review_ID
1	4.5	Great wheelchair! Very comfortable and sturdy.	1
2	5	The prosthetic limb fits perfectly and is very ligh...	2
3	4	Good quality blindfold goggles. Could be more a...	3
4	4.2	The hearing aids work well, but the battery life ...	4
5	4.8	Excellent sports wheelchair accessories! Highly ...	5
6	4.6	Wheelchair gloves provide great grip and comfort.	6
7	4.9	Handcycle is fantastic for outdoor activities.	7
8	4.3	Track and field equipment is of good quality.	8
9	4.7	Sports prostheses are durable and functional.	9
10	4.4	Sports wheelchairs accessories are very useful.	10
NULL	NULL	NULL	NULL

Supplier

Name	SupplierID	State	City	Street	Appartmentnumber	Phone_number	AccountNumber	IFSCcode	UPI_id
ParaSports Emporium	1	Maharashtra	Mumbai	Bandra West	101	919876543210	1234567890123456	123456	parasports@example.com
Adaptive Equipment Co.	2	Delhi	New Delhi	Connaught Place	202	919876543211	2345678901234567	234567	adaptive@example.com
ParaProsthetics Ltd.	3	Karnataka	Bangalore	Indiranagar	303	919876543212	3456789012345678	345678	paraprosthetics@example.com
Wheelchairs & More	4	Tamil Nadu	Chennai	T Nagar	404	919876543213	4567890123456789	456789	wheelchairs@example.com
Athletic Aids Co.	5	Rajasthan	Jaipur	Vaishali Nagar	505	919876543214	5678901234567890	567890	athleticaids@example.com
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

ReviewReply

ReviewReplyID	Review_ID	UserID	ReplyText	ReplyDate
1	1	2	Thank you for your review! We're glad you enjo...	2024-02-12
2	3	4	We apologize for any inconvenience caused. Pl...	2024-02-11
3	5	1	We appreciate your feedback! Your satisfaction...	2024-02-10
4	1	3	We're sorry to hear about your experience. We...	2024-02-09
5	6	5	Thank you for bringing this to our attention. We...	2024-02-08
NULL	NULL	NULL	NULL	NULL

Users

UserID	firstname	lastname	Age	Gender	PhoneNumber1	EmailAddress1	State	City	Street	ApartmentNo	Pincode	isPremiumMember
1	Rahul	Gupta	28	Male	919876543210	rahul.gupta@example.com	Maharashtra	Mumbai	Bandra West	Apt 101	400050	Yes
2	Priya	Sharma	32	Female	919876543211	priya.sharma@example.com	Delhi	New Delhi	Connaught Place	Apt 202	110001	No
3	Amit	Patel	35	Male	919876543212	amit.patel@example.com	Gujarat	Ahmedabad	Ellis Bridge	Apt 303	380006	Yes
4	Neha	Sinha	30	Female	919876543213	neha.sinha@example.com	Uttar Pradesh	Lucknow	Hazratganj	Apt 404	226001	No
5	Raj	Kumar	33	Male	919876543214	raj.kumar@example.com	Tamil Nadu	Chennai	T Nagar	Apt 505	600017	Yes
6	Anjali	Verma	29	Female	919876543215	anjali.verma@example.com	West Bengal	Kolkata	Park Street	Apt 606	700016	No
7	Vikram	Singh	40	Male	919876543216	vikram.singh@example.com	Karnataka	Bangalore	Indiranagar	Apt 707	560038	Yes
8	Deepika	Yadav	27	Female	919876543217	deepika.yadav@example.com	Telangana	Hyderabad	Banjara Hills	Apt 808	500034	No
9	Rakesh	Joshi	31	Male	919876543218	rakesh.joshi@example.com	Rajasthan	Jaipur	Vaishali Nagar	Apt 909	302021	Yes
10	Pooja	Gupta	26	Female	919876543219	pooja.gupta@example.com	Kerala	Kochi	MG Road	Apt 1010	682011	No
11	Sanjay	Kumar	37	Male	919876543220	sanjay.kumar@example.com	Punjab	Chandigarh	Sector 17	Apt 1111	160017	Yes
12	Meera	Shah	34	Female	919876543221	meera.shah@example.com	Madhya Prad...	Indore	MG Road	Apt 1212	452001	No
13	Arjun	Sinha	39	Male	919876543222	arjun.sinha@example.com	Bihar	Patna	Frazer Road	Apt 1313	800001	Yes
14	Nisha	Goyal	25	Female	919876543223	nisha.goyal@example.com	Assam	Bihar jati	GS Road	Apt 1414	781001	No
15	Manish	Verma	36	Male	919876543224	manish.verma@example.com	Odisha	Bhubaneswar	Master Canteen	Apt 1515	751001	Yes
16	Sakshi	Mishra	33	Female	919876543225	sakshi.mishra@example.com	Haryana	Gurgaon	MG Road	Apt 1616	122002	No
17	Alok	Singh	38	Male	919876543226	alok.singh@example.com	Jharkhand	Ranchi	Main Road	Apt 1717	834001	Yes
18	Radha	Patel	29	Female	919876543227	radha.patel@example.com	Chhattisgarh	Raipur	Pandri	Apt 1818	492001	No
19	Vivek	Mishra	42	Male	919876543228	vivek.mishra@example.com	Uttarakhand	Dehradun	Rajpur Road	Apt 1919	248001	Yes
20	Shalini	Sharma	31	Female	919876543229	shalini.sharma@example.com	Goa	Panaji	18th June Road	Apt 2020	403001	No
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Integrity Constraints

1. Users:

- UserID is the primary key and cannot be null.
- PhoneNumber1 must be a non-null BIGINT.
- EmailAddress1 must be non-null VARCHAR(255).

2. PremiumMember:

- MembershipNo is the primary key and cannot be null.
- UserID is a foreign key referencing Users(UserID).

3. Admin:

- AdminID is the primary key and cannot be null.
- Password must be non-null.

4. NGOs:

- CompanyID is the primary key and cannot be null.
- Email must be non-null.

5. Cart:

- CartID is the primary key and cannot be null.
- UserID is a foreign key referencing Users(UserID).

6. OrderTable:

- - OrderID is the primary key and cannot be null.

- CartID is a foreign key referencing Cart(CartID).
- DeliveryAgentID is a foreign key referencing DeliveryAgent(ID).
- SupplierID is a foreign key referencing Supplier(SupplierID).
- UserID is a foreign key referencing Users(UserID).

7. LoginCredentials:

- Username is the primary key and cannot be null.
- UserID is a foreign key referencing Users(UserID).
- Password must be non-null.

8. DeliveryAgent:

- ID is the primary key and cannot be null.

9. ProductReview:

- UserID is a foreign key referencing Users(UserID).

10. Product:

- Product_ID is the primary key and cannot be null.
- SupplierID is a foreign key referencing Supplier(SupplierID).

11. Supplier:

- SupplierID is the primary key and cannot be null.

Cardinality Constraints

1. Users:

- ● Each user has one UserID.
- ● One user can have multiple email addresses (EmailAddress1).
- ● One user can have only one phone number (PhoneNumber1).
- ● One user can belong to only one state, city, street, apartment, and pincode.

2. PremiumMember:

- ● Each premium membership belongs to one user (UserID).
- ● Each user can have only one premium membership.

3. Admin:

- ● Each admin has a unique AdminID.
- ● There can be multiple admins.

4. NGOs:

- ● Each NGO has a unique CompanyID.
- ● There can be multiple NGOs.

5. Cart:

- Each cart has a unique CartID.
- Multiple products can belong to one cart.

6. OrderTable:

- Each order has a unique OrderID.
- Each order is associated with one cart (CartID).
- Each order is associated with one delivery agent (DeliveryAgentID).
- Each order is associated with one supplier (SupplierID).
- Each order is associated with one user (UserID).

7. LoginCredentials:

- Each user can have only one username.
- Each username is associated with one user (UserID).

8. DeliveryAgent:

- Each delivery agent has a unique ID.
- There can be multiple delivery agents.

9. ProductReview:

- Each product review is associated with one user (UserID).
- Each user can write multiple product reviews.

10. Product:

- Each product has a unique Product_ID.
- Each product is associated with one supplier (SupplierID).

- ● Each product can belong to one category.
- ● Each product can have multiple reviews.

11. Supplier:

- ● Each supplier has a unique SupplierID.
- ● There can be multiple suppliers.

Contributions

Yashovardhan Singhal - Sole Contributor (hence no contribution division)