DBMS PROJECT

ONLINE JEWELLARY SHOP MANAGEMENT SYSTEM

GROUP-11

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```
SQL> CREATE TABLE User1(
  2     user_id INT PRIMARY KEY,
  3     user_name VARCHAR(100),
  4     user_email VARCHAR(100),
  5     user_mobile VARCHAR(20),
  6     user_address VARCHAR(200)
  7  );

Table created.

SQL> CREATE TABLE Roles (
  2     role_id INT PRIMARY KEY,
  3     role_name VARCHAR(100),
  4     role_description VARCHAR(200)
  5  );

Table created.

SQL> CREATE TABLE Login (
  2     login_id INT PRIMARY KEY,
  3     login_role_id INT,
```

```
  4     login_username VARCHAR(100),
  5     login_password VARCHAR(100),
  6     FOREIGN KEY (login_role_id) REFERENCES Roles(role_id),
  7     FOREIGN KEY (login_id) REFERENCES User1(user_id)
  8  );

Table created.

SQL> CREATE TABLE Payment (
  2     payment_customer_id INT,
  3     payment_id INT PRIMARY KEY,
  4     payment_date DATE,
  5     payment_amount DECIMAL(10, 2),
  6     payment_type VARCHAR(100),
  7     FOREIGN KEY (payment_customer_id) REFERENCES User1(user_id)
  8  );

Table created.

SQL> CREATE TABLE Stock (
  2     stock_id INT PRIMARY KEY,
  3     stock_type VARCHAR(100),
```

```
  4     stock_items VARCHAR(100),
  5     stock_number INT,
  6     stock_description VARCHAR(200)
  7  );

Table created.

SQL> CREATE TABLE Sales (
  2     sale_customer_id INT,
  3     sale_id INT PRIMARY KEY,
  4     sale_description VARCHAR(200),
  5     sale_type VARCHAR(100),
  6     sale_amount DECIMAL(10, 2),
  7     FOREIGN KEY (sale_customer_id) REFERENCES User1(user_id)
  8  );

Table created.


SQL> CREATE TABLE User_Login (
  2     user_id INT,
  3     login_id INT,
```

```
  4     FOREIGN KEY (user_id) REFERENCES User1(user_id),
  5     FOREIGN KEY (login_id) REFERENCES Login(login_id)
  6  );
```

Table created.

```
SQL> CREATE TABLE Login_Roles (
  2     login_id INT,
  3     role_id INT,
  4     FOREIGN KEY (login_id) REFERENCES Login(login_id),
  5     FOREIGN KEY (role_id) REFERENCES Roles(role_id)
  6  );
```

Table created.

```
SQL> CREATE TABLE Payment_Sales (
  2     payment_id INT,
  3     sale_id INT,
  4     FOREIGN KEY (payment_id) REFERENCES Payment(payment_id),
  5     FOREIGN KEY (sale_id) REFERENCES Sales(sale_id)
```

```
  6  );

Table created.

SQL> CREATE TABLE Payment_Stock (
  2     payment_id INT,
  3     stock_id INT,
  4     FOREIGN KEY (payment_id) REFERENCES Payment(payment_id),
  5     FOREIGN KEY (stock_id) REFERENCES Stock(stock_id)
  6  );

Table created.

SQL> INSERT INTO User1
  2  values (&user_id, &user_name, &user_email, &user_mobile, &user_address);
Enter value for user_id: 1
Enter value for user_name: 'Shravya'
Enter value for user_email: 'shravya@gmail.com'
Enter value for user_mobile: '1234567890'
Enter value for user_address: '456 Kukatpally'
old   2: values (&user_id, &user_name, &user_email, &user_mobile,
&user_address)
```

new 2: values (1, 'Shravya', 'shravya@gmail.com', '1234567890', '456 Kukatpally')

1 row created.

SQL> /

Enter value for user_id: 2

Enter value for user_name: 'Meghamala'

Enter value for user_email: 'meghamala@gmail.com'

Enter value for user_mobile: '9876543210'

Enter value for user_address: '123 Banjara hills'

old 2: values (&user_id, &user_name, &user_email, &user_mobile, &user_address)

new 2: values (2, 'Meghamala', 'meghamala@gmail.com', '9876543210', '123 Banjara hills')

1 row created.

SQL> /

Enter value for user_id: 3

Enter value for user_name: 'Praneeth'

Enter value for user_email: 'praneeth@gmail.com'

Enter value for user_mobile: '5555555555'

Enter value for user_address: '789 Amerpet'

old 2: values (&user_id, &user_name, &user_email, &user_mobile, &user_address)

new 2: values (3, 'Praneeth', 'praneeth@gmail.com', '5555555555', '789 Amerpet')

1 row created.

SQL> /

Enter value for user_id: 4

Enter value for user_name: 'Nithin'

Enter value for user_email: 'Nithin@gmail.com'

Enter value for user_mobile: '1111111111'

Enter value for user_address: '321 Gachibowli'

old 2: values (&user_id, &user_name, &user_email, &user_mobile, &user_address)

new 2: values (4, 'Nithin', 'Nithin@gmail.com', '1111111111', '321 Gachibowli')

1 row created.

SQL> /

Enter value for user_id: 5

Enter value for user_name: 'David'

Enter value for user_email: 'david@gmail.com'

Enter value for user_mobile: '9999999999'

Enter value for user_address: '555 Secundrabad'

old 2: values (&user_id, &user_name, &user_email, &user_mobile, &user_address)

new 2: values (5, 'David', 'david@gmail.com', '9999999999', '555 Secundrabad')

1 row created.

SQL> alter table user1

2 modify(user_name varchar(10),user_email varchar(30),user_mobile varchar(10),user_address varchar(30));

Table altered.

SQL> alter table user1

2 modify(user_email varchar(20),user_address varchar(20));

Table altered.

```
SQL> select * from user1;

  USER_ID USER_NAME  USER_EMAIL          USER_MOBIL USER_ADDRESS
---------- ---------- -------------------- ---------- --------------------
         1 Shravya    shravya@gmail.com    1234567890 456 Kukatpally
         2 Meghamala  meghamala@gmail.com  9876543210 123 Banjara hills
         3 Praneeth   praneeth@gmail.com   5555555555 789 Amerpet
         4 Nithin     Nithin@gmail.com     1111111111 321 Gachibowli
         5 David      david@gmail.com      9999999999 555 Secundrabad


SQL> INSERT INTO Roles values (&role_id, &role_name, &role_description);
Enter value for role_id: 1
Enter value for role_name: 'Admin'
Enter value for role_description: 'Administrator role with full access'
old   1: INSERT INTO Roles values (&role_id, &role_name, &role_description)
new   1: INSERT INTO Roles values (1, 'Admin', 'Administrator role with full
access')

1 row created.

SQL> /
```

Enter value for role_id: 2

Enter value for role_name: 'Employee'

Enter value for role_description: 'Employee role with limited access'

old 1: INSERT INTO Roles values (&role_id, &role_name, &role_description)

new 1: INSERT INTO Roles values (2, 'Employee', 'Employee role with limited access')

1 row created.

SQL> /

Enter value for role_id: 3

Enter value for role_name: 'Customer'

Enter value for role_description: 'Customer role with basic access'

old 1: INSERT INTO Roles values (&role_id, &role_name, &role_description)

new 1: INSERT INTO Roles values (3, 'Customer', 'Customer role with basic access')

1 row created.

SQL> alter table roles

2 modify(role_id integer,role_name varchar(10),role_description varchar(50));

Table altered.

SQL> select * from roles;

```
   ROLE_ID ROLE_NAME  ROLE_DESCRIPTION
---------- ---------- --------------------------------------------------
         1 Admin      Administrator role with full access
         2 Employee   Employee role with limited access
         3 Customer   Customer role with basic access
```

SQL> INSERT INTO Login values (&login_id, &login_role_id, &login_username, &login_password);

Enter value for login_id: 1

Enter value for login_role_id: 1

Enter value for login_username: 'Shravya_kv'

Enter value for login_password: 'password1'

old 1: INSERT INTO Login values (&login_id, &login_role_id, &login_username, &login_password)

new 1: INSERT INTO Login values (1, 1, 'Shravya_kv', 'password1')

1 row created.

SQL> /

Enter value for login_id: 2

Enter value for login_role_id: 2

Enter value for login_username: 'Meghamala_29'

Enter value for login_password: 'password2'

old 1: INSERT INTO Login values (&login_id, &login_role_id, &login_username, &login_password)

new 1: INSERT INTO Login values (2, 2, 'Meghamala_29', 'password2')

1 row created.

SQL> /

Enter value for login_id: 3

Enter value for login_role_id: 1

Enter value for login_username: 'Y_praneeth'

Enter value for login_password: 'password3'

old 1: INSERT INTO Login values (&login_id, &login_role_id, &login_username, &login_password)

new 1: INSERT INTO Login values (3, 1, 'Y_praneeth', 'password3')

1 row created.

SQL> /

Enter value for login_id: 4

Enter value for login_role_id: 3

Enter value for login_username: 'Nithin_syam'

Enter value for login_password: 'password4'

old 1: INSERT INTO Login values (&login_id, &login_role_id, &login_username, &login_password)

new 1: INSERT INTO Login values (4, 3, 'Nithin_syam', 'password4')

1 row created.

SQL> /

Enter value for login_id: 5

Enter value for login_role_id: 3

Enter value for login_username: 'David_301'

Enter value for login_password: 'password5'

old 1: INSERT INTO Login values (&login_id, &login_role_id, &login_username, &login_password)

new 1: INSERT INTO Login values (5, 3, 'David_301', 'password5')

1 row created.

SQL> alter table login

  2 modify(login_username varchar(15),login_password varchar(10));

Table altered.

SQL> select * from login;

  LOGIN_ID LOGIN_ROLE_ID LOGIN_USERNAME LOGIN_PASS

---------- ------------- --------------- ----------

         1   1 Shravya_kv   password1

         2   2 Meghamala_29   password2

         3   1 Y_praneeth   password3

         4   3 Nithin_syam   password4

         5   3 David_301   password5

SQL> insert all

  2 into payment values(1, 1, '01/MAY/2023', 100.00, 'Credit Card')

  3 select 1 from dual;

1 row created.

```
SQL> insert all
  2  into payment values(2, 2, '01/MAY/2023', 50.00, 'PayPal')
  3  into payment values(3, 3, '03/MAY/2023', 75.00, 'Cash')
  4  into payment values(3, 4, '04/MAY/2023', 200.00, 'Credit Card')
  5  into payment values(1, 5, '05/MAY/2023', 150.00, 'Cash')
  6  SELECT 1 FROM DUAL;

4 rows created.

SQL> ALTER TABLE PAYMENT
  2  MODIFY(PAYMENT_TYPE VARCHAR(15));

Table altered.

SQL> SELECT * FROM PAYMENT;

PAYMENT_CUSTOMER_ID PAYMENT_ID PAYMENT_D PAYMENT_AMOUNT
PAYMENT_TYPE
------------------- ---------- --------- -------------- ---------------
                  1          1 01-MAY-23            100 Credit Card
                  2          2 01-MAY-23             50 PayPal
```

```
         3          3 03-MAY-23           75 Cash
         3          4 04-MAY-23          200 Credit Card
         1          5 05-MAY-23          150 Cash
```

```
SQL> insert all
  2  into stock values(1, 'Necklace', 'Gold Necklace', 10, 'Beautiful gold necklace')
  3  into stock values(2, 'Ring', 'Diamond Ring', 5, 'Elegant diamond ring')
  4  into stock values(3, 'Bracelet', 'Silver Bracelet', 8, 'Stylish silver bracelet')
  5  into stock values(4, 'Earrings', 'Pearl Earrings', 12, 'Classic pearl earrings')
  6  into stock values(5, 'Watch', 'Luxury Watch', 3, 'High-end luxury watch')
  7  select 1 from dual;

5 rows created.

SQL> alter table stock
  2  modify(stock_type varchar(10),stock_items varchar(15),stock_description
varchar(30));

Table altered.

SQL> alter table stock
```

```
  2  modify(stock_description varchar(25));

Table altered.

SQL> select * from stock;

  STOCK_ID STOCK_TYPE STOCK_ITEMS     STOCK_NUMBER STOCK_DESCRIPTION
---------- ---------- --------------- ------------ ------------------------
         1 Necklace   Gold Necklace            10 Beautiful gold necklace
         2 Ring       Diamond Ring              5 Elegant diamond ring
         3 Bracelet   Silver Bracelet           8 Stylish silver bracelet
         4 Earrings   Pearl Earrings           12 Classic pearl earrings
         5 Watch      Luxury Watch              3 High-end luxury watch

SQL> insert all
  2  into sales values(1, 1, 'Gold Necklace Sale', 'Retail', 200.00)
  3  into sales values (2, 2, 'Diamond Ring Sale', 'Retail', 500.00)
  4  into sales values(3, 3, 'Silver Bracelet Sale', 'Wholesale', 300.00)
  5  into sales values(4, 4, 'Pearl Earrings Sale', 'Retail', 150.00)
  6  into sales values(4, 5, 'Luxury Watch Sale', 'Retail', 1000.00)
  7  select 1 from dual;
```

5 rows created.

```
SQL> alter table sales
  2  modify(sale_description varchar(25),sale_type varchar(10));

Table altered.

SQL> select * from sales;

SALE_CUSTOMER_ID    SALE_ID SALE_DESCRIPTION         SALE_TYPE
SALE_AMOUNT
---------------- ---------- ------------------------ ---------- -----------
               1          1 Gold Necklace Sale       Retail           200
               2          2 Diamond Ring Sale        Retail           500
               3          3 Silver Bracelet Sale     Wholesale        300
               4          4 Pearl Earrings Sale      Retail           150
               4          5 Luxury Watch Sale        Retail           1000

SQL> insert all
  2  into user_login values(1,1)
  3  into user_login values(2,2)
  4  into user_login values(3,3)
```

```
  5  into user_login values(4,4)
  6  into user_login values(5,5)
  7  select 1 from dual;

5 rows created.

SQL> select * from user_login;

   USER_ID   LOGIN_ID
---------- ----------
         1          1
         2          2
         3          3
         4          4
         5          5

SQL> insert all
  2  into login_roles values(1,1)
  3  into login_roles values(2,2)
  4  into login_roles values(3,1)
  5  into login_roles values(4,3)
  6  into login_roles values(5,3)
```

```
  7  select 1 from dual;

5 rows created.

SQL> select * from login_roles;

  LOGIN_ID    ROLE_ID
---------- ----------
         1          1
         2          2
         3          1
         4          3
         5          3

SQL> insert all
  2  into payment_sales values(1,1)
  3  into payment_sales values(2,2)
  4  into payment_sales values(3,3)
  5  into payment_sales values(4,4)
  6  into payment_sales values(5,4)
  7  select 1 from dual;
```

5 rows created.

SQL> select * from payment_sales;

PAYMENT_ID SALE_ID

---------- ----------

1 1

2 2

3 3

4 4

5 4

SQL> insert all

2 into payment_stock values(1,1)

3 into payment_stock values(2,2)

4 into payment_stock values(3,3)

5 into payment_stock values(4,4)

6 into payment_stock values(5,5)

7 select 1 from dual;

5 rows created.

SQL> select * from payment_stock;

PAYMENT_ID	STOCK_ID
1	1
2	2
3	3
4	4
5	**5**