Project: PharmaConnect Management System (Phase 4, Phase 5 and Phase 6)

The accompanying PDF file contains all the screenshots related to Phases 4, 5, and 6, including the setup, table creation, data insertion, and verification processes. Additionally, the PDF includes screenshots of the OEM (Oracle Enterprise Manager) Dashboards, providing a visual representation of the data management interface and system functionality.

CREATING PLUGGABLE DATABASE

```
QL*Plus: Release 21.0.0.0.0 - Production on Wed Nov 20 17:07:22 2024
/ersion 21.3.0.0.0
Copyright (c) 1982, 2021, Oracle. All rights reserved.
Enter user-name: sys as sysdba
Enter password:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
SQL> show pdbs;
   CON_ID CON_NAME
                                        OPEN MODE RESTRICTED
                        READ ONLY NO
READ WRITE NO
        2 PDB$SEED
        3 XEPDB1
GQL> select con_id, tablespace_name, file_name from cdb_data_files
 2 where con_id = 3;
   CON ID TABLESPACE NAME
FILE_NAME
 :\APP\PC\PRODUCT\21C\ORADATA\XE\XEPDB1\SYSTEM01.DBF
        3 SYSAUX
C:\APP\PC\PRODUCT\21C\ORADATA\XE\XEPDB1\SYSAUX01.DBF
        3 UNDOTBS1
 :\APP\PC\PRODUCT\21C\ORADATA\XE\XEPDB1\UNDOTBS01.DBF
```

```
CON_ID TABLESPACE_NAME

FILE_NAME

3 USERS
C:\APP\PC\PRODUCT\21C\ORADATA\XE\XEPDB1\USERS01.DBF

SQL> CREATE PLUGGABLE DATABASE wedn_falcon_pharmaconnect admin user wedn_falcon IDENTIFIED BY falcon
2 FILE_NAME_CONVERT = ('C:\app\PC\product\21c\oradata\XE\pdbseed\','C:\app\PC\product\21c\oradata\XE\ wedn_falcon_pharmaconnect\');
Pluggable database created.

SQL>
```

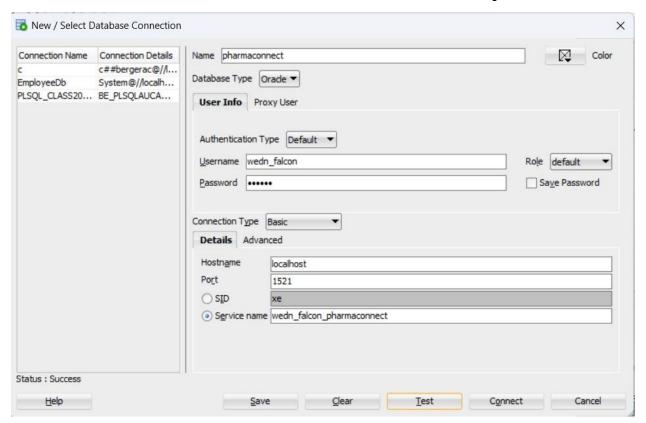
```
SQL> ALTER SESSION SET CONTAINER = wedn_falcon_pharmaconnect;

Session altered.

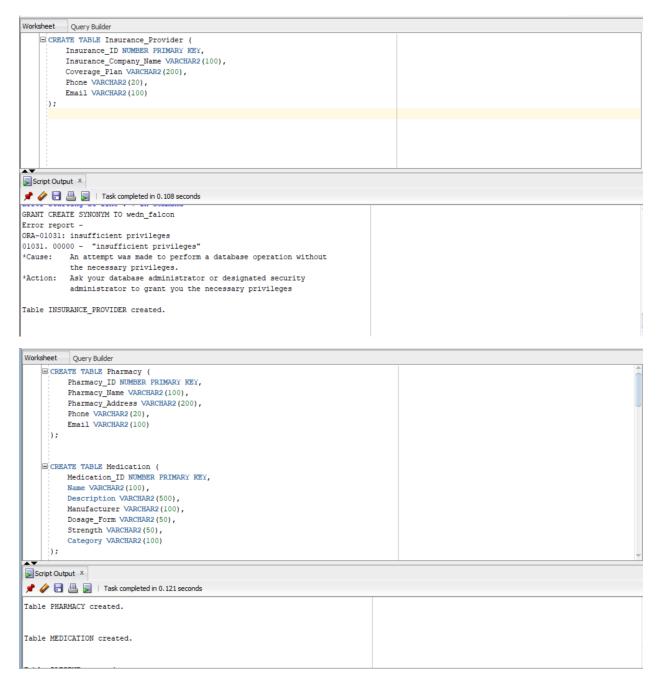
SQL> ALTER DATABASE OPEN;

Database altered.
```

CREATING CONNECTION AND WORKING wedn_falcon_pharmaconnect PDB



CREATING TABLE SESSION



```
pharmaconnect •
Worksheet Query Builder
    CREATE TABLE Patient (
        Patient_ID NUMBER PRIMARY KEY,
         First Name VARCHAR2(100),
        Last Name VARCHAR2(100),
        Email VARCHAR2 (100).
        Phone VARCHAR2 (20).
        Address VARCHAR2 (200),
        Insurance_ID NUMBER,
        CONSTRAINT fk_patient_insurance FOREIGN KEY (Insurance_ID) REFERENCES Insurance_Provider(Insurance_ID)
    CREATE TABLE Inventory_Record (
         Inventory_Record_ID NUMBER PRIMARY KEY,
         Pharmacy_ID NUMBER,
         Medication_ID NUMBER,
📌 🧽 🔡 💂 星 | Task completed in 0.121 seconds
Table PATIENT created.
Table INVENTORY RECORD created.
```

INSERTION PHASE

```
INSERT INTO Insurance_Provider (Insurance_ID, Insurance_Company_Name, Coverage_Plan, Phone, Email)
VALUES (1, 'MediCare Plus', 'Full Coverage', '123-456-7890', 'support@medicareplus.com');

INSERT INTO Insurance_Provider (Insurance_ID, Insurance_Company_Name, Coverage_Plan, Phone, Email)
VALUES (2, 'HealthFirst', 'Partial Coverage', '098-765-4321', 'info@healthfirst.com');

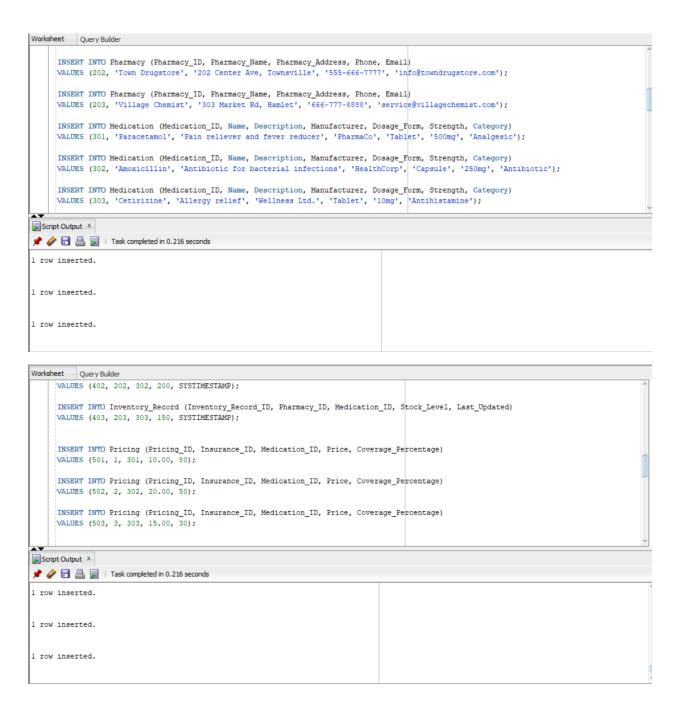
INSERT INTO Insurance_Provider (Insurance_ID, Insurance_Company_Name, Coverage_Plan, Phone, Email)
VALUES (3, 'WellCare', 'Emergency Only', '555-678-1234', 'help@wellcare.com');

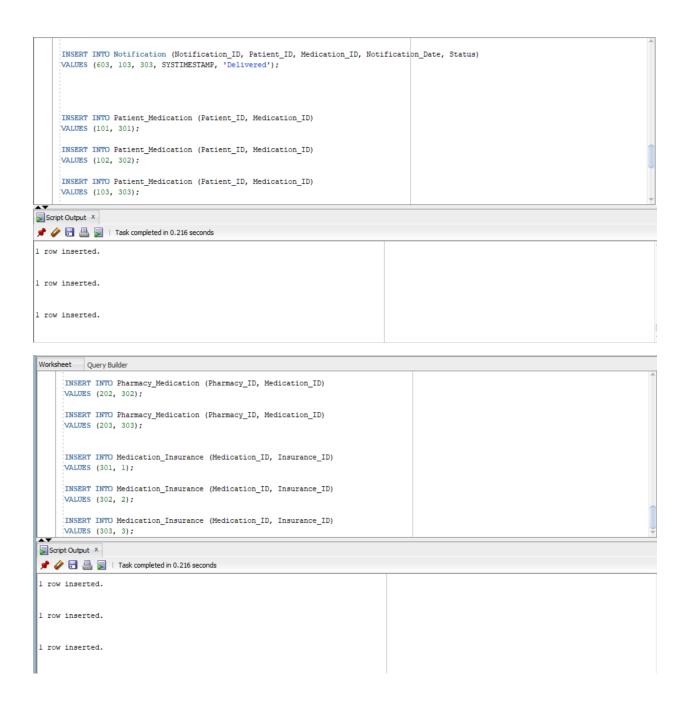
INSERT INTO Patient (Patient_ID, First_Name, Last_Name, Email, Phone, Address, Insurance_ID)
VALUES (101, 'John', 'Doe', 'john.doe@example.com', '111-222-3333', '123 Elm St, Cityville', 1);

INSERT INTO Patient (Patient_ID, First_Name, Last_Name, Email, Phone, Address, Insurance_ID)
VALUES (102, 'Jane', 'Smith', 'jane.smith@example.com', '222-333-4444', '456 Oak St, Townsville', 2);

INSERT INTO Patient (Patient_ID, First_Name, Last_Name, Email, Phone, Address, Insurance_ID)
VALUES (103, 'Alice', 'Johnson', 'alice.j@example.com', '333-444-5555', '789 Pine St, Hamlet', 3);

INSERT INTO Pharmacy (Pharmacy_ID, Pharmacy_Name, Pharmacy_Address, Phone, Email)
```





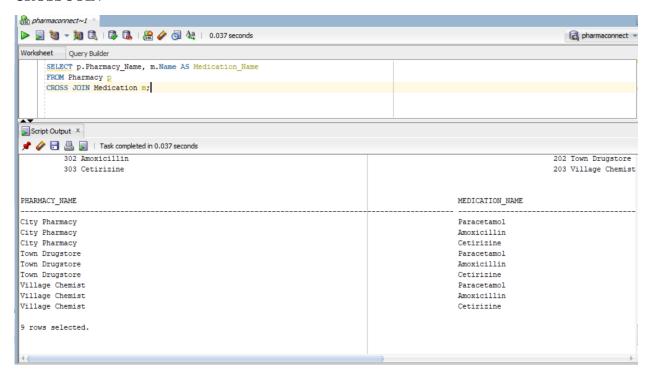
CHECKING DATA INTEGRITY

```
SELECT p.Patient_ID, p.First_Name, p.Insurance_ID
     FROM Patient p
     LEFT JOIN Insurance_Provider i ON p.Insurance_ID = i.Insurance_ID
     WHERE i.Insurance_ID IS NULL;
   SELECT p.Patient_ID, p.First_Name, p.Insurance_ID,
            CASE
                WHEN i.Insurance_ID IS NULL THEN 'No Insurance'
                ELSE 'Has Insurance'
            END AS Insurance_Status
     FROM Patient p
     LEFT JOIN Insurance_Provider i ON p.Insurance_ID = i.Insurance_ID;
□ SPIRCT m Medication ID m Name AS Medication Name n Dharmacu ID n Dharmacu Name ir Stock Level
Script Output X
📌 🧽 🔒 💂 | Task completed in 0.091 seconds
no rows selected
Worksheet Query Builder
    SELECT p.Patient_ID, p.First_Name, p.Insurance_ID,
             CASE
                WHEN i.Insurance_ID IS NULL THEN 'No Insurance'
                 ELSE 'Has Insurance'
             END AS Insurance_Status
      FROM Patient p
      LEFT JOIN Insurance_Provider i ON p.Insurance_ID = i.Insurance_ID;
    SELECT m. Medication_ID, m. Name AS Medication_Name, p. Pharmacy_ID, p. Pharmacy_Name, ir. Stock_Level
      FROM Medication m
      LEFT JOIN Pharmacy_Medication pm ON m.Medication_ID = pm.Medication_ID
      LEFT JOIN Pharmacy p ON pm.Pharmacy_ID = p.Pharmacy_ID
      IRRY JOIN Inventory Record is ON n Dharmacy ID - is Pharmacy ID AND m Medication ID - is Medication ID
 Script Output X
 📌 🧼 🖥 🚇 📘 | Task completed in 0.091 seconds
PATIENT_ID FIRST_NAME
                                                                                                               INSURANCE_ID INSURANCE_STA
       101 John
                                                                                                                          1 Has Insurance
       102 Jane
                                                                                                                          2 Has Insurance
       103 Alice
                                                                                                                          3 Has Insurance
```

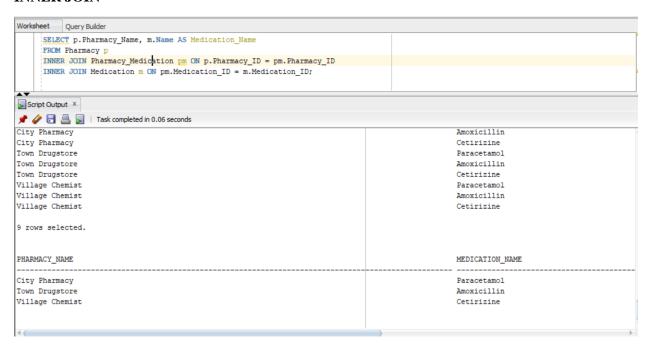
```
WHEN 1.Insurance_ID IS NULL THEN 'NO Insurance'
                ELSE 'Has Insurance'
            END AS Insurance_Status
     FROM Patient p
     LEFT JOIN Insurance_Provider i ON p.Insurance_ID = i.Insurance_ID;
   SELECT m.Medication_ID, m.Name AS Medication_Name, p.Pharmacy_ID, p.Pharmacy_Name, ir.Stock_Level
     FROM Medication m
     LEFT JOIN Pharmacy_Medication pm ON m.Medication_ID = pm.Medication_ID
     LEFT JOIN Pharmacy p ON pm.Pharmacy_ID = p.Pharmacy_ID
     LEFT JOIN Inventory_Record ir ON p.Pharmacy_ID = ir.Pharmacy_ID AND m.Medication_ID = ir.Medication_ID
     ORDER BY m.Medication_ID, p.Pharmacy_ID;
Script Output ×
📌 🧼 🔒 遏 | Task completed in 0.091 seconds
MEDICATION_ID MEDICATION_NAME
                                                                                                                  PHARMACY_ID PHARMACY_NAME
         301 Paracetamol
                                                                                                                         201 City Pharmacy
         302 Amoxicillin
                                                                                                                         202 Town Drugstore
                                                                                                                         203 Village Chemist
         303 Cetirizine
```

JOINS PHASE

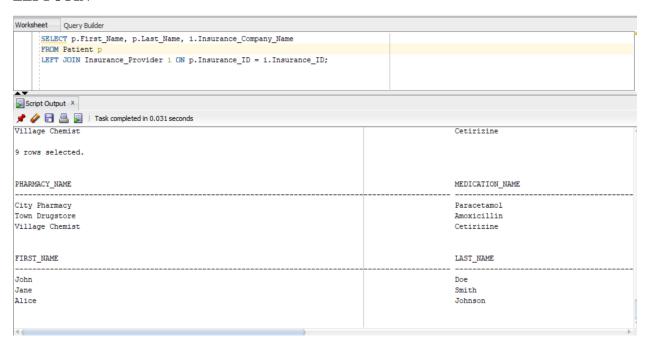
CROSS JOIN



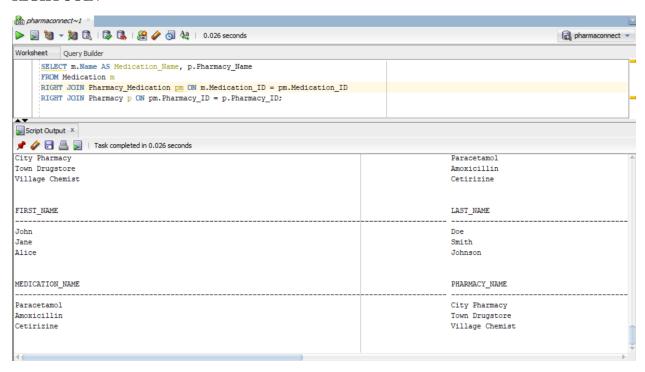
INNER JOIN



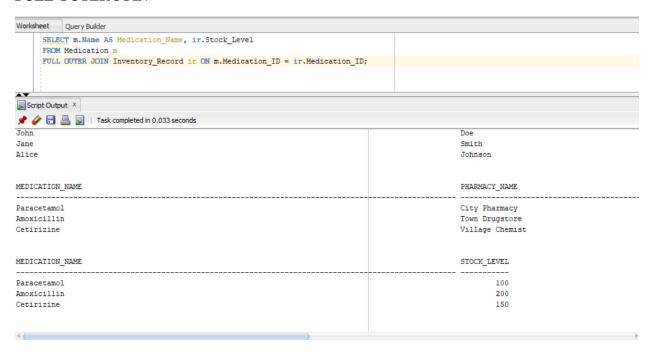
LEFT JOIN



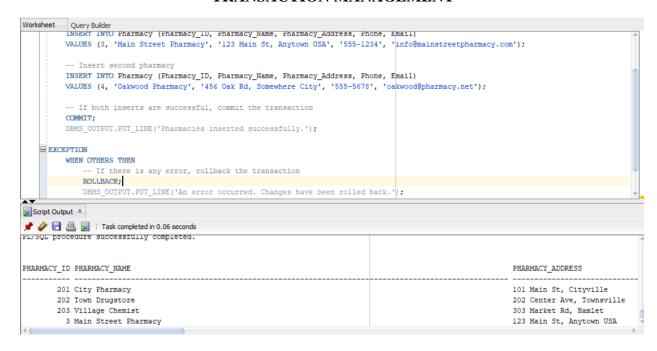
RIGHT JOIN



FULL OUTER JOIN



TRANSACTION MANAGEMENT



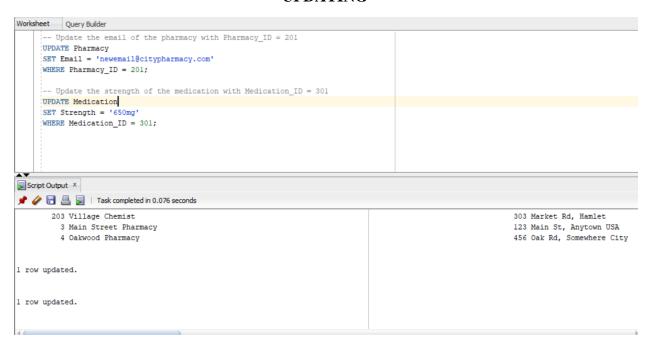
ORACLE ENTERPRISE MANAGEMENT



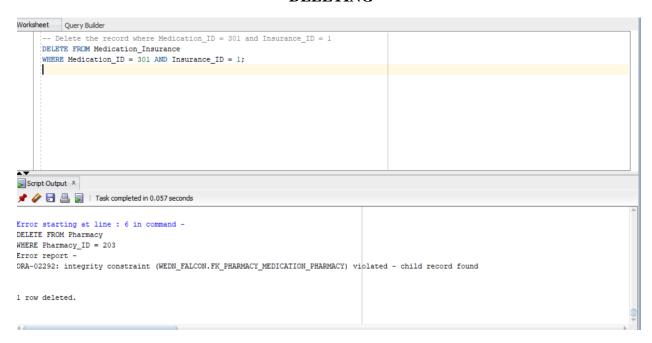
SELECTING



UPDATING



DELETING



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