Hospital Database Project

```sql
-- DML STATEMENTS

-- Example: Add a new diagnosis

INSERT INTO Diagnoses VALUES (31755, 1000, '2023-12-06 09:45:24', 2456, 'Strep throat');


-- Example: Update physician/nurse names

UPDATE Physician

SET Physician_Name = 'New Name'

WHERE Physician_ID = 'desired_physician_Id';


UPDATE Nurse

SET Nurse_Name = 'New Name'

WHERE Nurse_No = 'desired_Nurse_no';


-- Example: Update patient bed assignment

UPDATE Bed

SET CC_id = 'new_CC_Id_or_null'

WHERE (Room_No, Bed_No) = ('which_room', 'which_bed');


-- Example: Update patient transfer

UPDATE Bed

SET CC_id = 'new_CC_id'

WHERE Room_No = (

    SELECT Room_No

    FROM Patient

    WHERE Patient_MRN = 'desired_patient_mrn'
```

```sql
);


-- Example: Update physician assignment

UPDATE Assesses

SET EMP_No = 5802

WHERE Patient_MRN = 19864;



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-- DML - DATA POPULATION

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-- Physician Table

INSERT INTO Physician VALUES (1000, 'Tom Foolery');

INSERT INTO Physician VALUES (2807, 'Giuseppe Panini');

INSERT INTO Physician VALUES (2678, 'Anita Break');

INSERT INTO Physician VALUES (5780, 'Grace Less');

INSERT INTO Physician VALUES (3209, 'Gwendolina Moth');


-- Item Table

INSERT INTO Item VALUES (9863, 'Penicillin, 10 day dose', 10.99);

INSERT INTO Item VALUES (2549, 'Tetanus vaccine', 57.95);

INSERT INTO Item VALUES (8767, 'Rabies vaccine', 62.95);

INSERT INTO Item VALUES (3247, 'Absorbable sutures', 102.78);

INSERT INTO Item VALUES (2878, 'Bandage', 5.20);

INSERT INTO Item VALUES (4567, 'Saline IV', 67.78);

INSERT INTO Item VALUES (2578, 'Epidural', 1026.16);
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INSERT INTO Item VALUES (6377, 'Cast', 1018.36);

-- Treatment Table

INSERT INTO Treatment VALUES (6899, 'Stitches');

INSERT INTO Treatment VALUES (7298, 'Blood transfusion');

INSERT INTO Treatment VALUES (2890, 'Antibiotics');

INSERT INTO Treatment VALUES (3688, 'Appendectomy');

INSERT INTO Treatment VALUES (4639, 'Chemotherapy');

-- Nurse Table

INSERT INTO Nurse VALUES (1436, 'Ella Smiley');

INSERT INTO Nurse VALUES (5802, 'Gary Da Snail');

INSERT INTO Nurse VALUES (2046, 'Laura Rogue');

INSERT INTO Nurse VALUES (9072, 'Perry Perkins');

INSERT INTO Nurse VALUES (9679, 'Grissila Bean');

INSERT INTO Nurse VALUES (7535, 'Jerry Greene');

INSERT INTO Nurse VALUES (8862, 'Melinda Barks');

INSERT INTO Nurse VALUES (5642, 'Emilia Brown');

-- Care Center Table

INSERT INTO Care_Center VALUES (7580, 'Oncology', 1436);

INSERT INTO Care_Center VALUES (1462, 'Labor and Delivery', 9679);

INSERT INTO Care_Center VALUES (2672, 'Intensive Care Unit', 2046);

INSERT INTO Care_Center VALUES (8786, 'Cardiology', 8862);

INSERT INTO Care_Center VALUES (3674, 'Pediatrics', 5642);

-- Bed Table

INSERT INTO Bed VALUES (220, 118, 7580);

INSERT INTO Bed VALUES (220, 119, 7580);

INSERT INTO Bed VALUES (221, 120, 7580);

INSERT INTO Bed VALUES (221, 121, 7580);

INSERT INTO Bed VALUES (261, 128, 1462);

INSERT INTO Bed VALUES (262, 129, 1462);

INSERT INTO Bed VALUES (269, 130, 1462);

INSERT INTO Bed VALUES (270, 140, 1462);

INSERT INTO Bed VALUES (322, 146, 2672);

INSERT INTO Bed VALUES (323, 147, 2672);

INSERT INTO Bed VALUES (323, 148, 2672);

INSERT INTO Bed VALUES (324, 149, 2672);

INSERT INTO Bed VALUES (369, 150, 8786);

INSERT INTO Bed VALUES (369, 151, 8786);

INSERT INTO Bed VALUES (423, 152, 3674);

INSERT INTO Bed VALUES (424, 153, 3674);

-- Patient Table

INSERT INTO Patient VALUES (12753, 'Alivia Stein', 261, 128);

INSERT INTO Patient VALUES (27846, 'Amaranta Grady', 220, 118);

INSERT INTO Patient VALUES (30086, 'Roberta Randal', 262, 129);

INSERT INTO Patient VALUES (19864, 'Conleth Ainslie', 220, 119);

INSERT INTO Patient VALUES (31755, 'Samanta Lauchlan', 323, 147);

INSERT INTO Patient VALUES (30467, 'Marvyn Ansley', 323, 148);

INSERT INTO Patient VALUES (9487, 'Everett Mara', 324, 149);

INSERT INTO Patient VALUES (25667, 'Grace Lee', 369, 150);

INSERT INTO Patient VALUES (16845, 'Mark Smith', 424, 153);

-- Consumes Table

INSERT INTO Consumes VALUES (2578, 12753, '2023-10-31 12:34:46', 1);

INSERT INTO Consumes VALUES (2578, 30086, '2023-09-24 22:16:14', 1);

INSERT INTO Consumes VALUES (3247, 9487, '2023-11-19 09:26:34', 1);

INSERT INTO Consumes VALUES (2878, 31755, '2023-12-01 08:10:04', 4);

INSERT INTO Consumes VALUES (8767, 30467, '2023-11-22 13:01:12', 1);

INSERT INTO Consumes VALUES (6377, 9487, '2023-12-03 15:52:58', 2);

-- Employs Table

INSERT INTO Employs VALUES (7580, 1436, 40);

INSERT INTO Employs VALUES (1462, 5802, 26);

INSERT INTO Employs VALUES (7580, 9072, 35);

INSERT INTO Employs VALUES (2672, 7535, 21);

INSERT INTO Employs VALUES (1462, 9679, 40);

INSERT INTO Employs VALUES (2672, 2046, 40);

INSERT INTO Employs VALUES (8786, 8862, 40);

-- Assesses Table

INSERT INTO Assesses VALUES (9369, '2023-10-31 09:25:57', 184, '120/79', 5802, 12753);

INSERT INTO Assesses VALUES (2567, '2023-10-14 13:34:51', 146, '118/80', 1436, 27846);

INSERT INTO Assesses VALUES (9952, '2023-09-24 19:24:28', 197, '120/80', 9679, 30086);

INSERT INTO Assesses VALUES (2160, '2023-11-24 11:11:11', 202, '117/75', 9072, 19864);

INSERT INTO Assesses VALUES (2578, '2023-11-30 14:59:24', 113, '114/67', 2046, 31755);

INSERT INTO Assesses VALUES (9654, '2023-11-22 12:13:44', 189, '125/84', 7535, 30467);

INSERT INTO Assesses VALUES (6798, '2023-12-02 16:36:28', 196, '111/74', 2046, 9487);

-- Diagnoses

INSERT INTO Diagnoses VALUES (27846, 1000, '2023-10-31 07:46:42', 9289, 'Lymphoma');

INSERT INTO Diagnoses VALUES (19864, 1000, '2023-12-03 09:14:19', 5285, 'Sarcoma');

INSERT INTO Diagnoses VALUES (31755, 2807, '2023-11-30 14:59:24', 9379, 'Traumatic brain injury');

INSERT INTO Diagnoses VALUES (30467, 5780, '2023-11-22 12:13:44', 2637, 'Animal bite');

INSERT INTO Diagnoses VALUES (9487, 2678, '2023-12-03 14:45:22', 3436, 'Broken leg and arm');

-- Orders

INSERT INTO Orders VALUES (2674, 1000, 27846, '2023-10-31 08:07:17');

INSERT INTO Orders VALUES (1849, 1000, 19864, '2023-12-03 09:24:39');

INSERT INTO Orders VALUES (9368, 2678, 25667, '2023-12-06 15:32:39');

INSERT INTO Orders VALUES (2683, 5780, 16845, '2023-12-07 16:33:36');

INSERT INTO Orders VALUES (8690, 2807, 9487, '2023-12-13 23:59:59');

-- Consists_Of

INSERT INTO Consists_Of VALUES (2674, 4639, '2023-11-09', '09:15:48', 'Decrease in tumor size');

INSERT INTO Consists_Of VALUES (1849, 4639, '2023-12-05', '10:37:30', 'Decrease in tumor size');

INSERT INTO Consists_Of VALUES (9368, 6899, '2023-12-06', '16:25:42', 'Closed wound, bleeding stopped');

INSERT INTO Consists_Of VALUES (2683, 3688, '2023-12-07', '19:24:40', 'Appendix removed');

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INSERT INTO Consists_Of VALUES (8690, 2890, '2023-12-14', '11:52:30', '10 day prescription');
```