

DSC 623 Project Part 3

George Murray

- a. Schemas created are shown in jupyter notebook
- b. 5 tuples created are shown in jupyter notebook. Screenshots:

Clinic Table Contents:

```
(1, 'Downtown Clinic', '123 Main St', '5551234567', 101)
(2, 'Miami Clinic', '456 Elm St', '5552345678', 102)
(3, 'North Clinic', '789 Pine St', '5553456789', None)
(4, 'Sout Clinic', '321 Oak St', '5554567890', 103)
(5, 'East Clinic', '654 Cedar St', '5555678901', None)
```

Staff Table Contents:

```
(101, 'Alice Bradshaw', '101 First St', '5551111111', '1980-05-10', 'manager', 70000.0, 1)
(102, 'Bob Duncan', '202 Second St', '5552222222', '1990-06-15', 'vet', 90000.0, 2)
(103, 'Charlie Brown', '303 Third St', '5553333333', '1965-07-20', 'receptionist', 45000.0, 4)
(104, 'Diana Dakota', '404 Fourth St', '5554444444', '1995-03-15', 'vet', 85000.0, 3)
(105, 'Evan Stevens', '505 Fifth St', '5555555555', '2000-09-25', 'manager', 72000.0, 5)
```

Owner Table Contents:

```
(201, 'Andy Apple', '789 Maple St', '5556666666')
(202, 'Bob Banana', '101 Oak St', '5557777777')
(203, 'Caroline Carrot', '202 Elm St', '5558888888')
(204, 'David Duck', '303 Pine St', '5559999999')
(205, 'Peter Parker', '404 Cedar St', '5550000000')
```

Pet Table Contents:

```
(301, 'Rari', '2018-03-20', 'Dog', 'Golden Retriever', 'Gold', 201, 1)
(302, 'Alfie', '2020-05-15', 'Cat', 'Siamese', 'Cream', 202, 2)
(303, 'Cookie', '2021-07-01', 'Rabbit', 'Dwarf', 'White', 203, 3)
(304, 'Monkey', '2019-11-23', 'Dog', 'Labrador', 'Black', 204, 4)
(305, 'Bobby', '2022-06-30', 'Hamster', 'Syrian', 'Brown', 205, 5)
```

Examination Table Contents:

```
(401, 'Fever', 'Administered medication', '2024-01-15', 'Prescribed antibiotics', 301, 102)
(402, 'Allergy', 'Gave antihistamines', '2024-02-10', 'Prescribed antihistamines', 302, 104)
(403, 'Check-up', 'Routine health check-up', '2024-03-05', 'No action required', 303, 101)
(404, 'Injury', 'Cleaned wound and bandaged', '2024-03-20', 'Prescribed painkillers', 304, 103)
(405, 'Vaccination', 'Administered rabies vaccine', '2024-04-10', 'Updated vaccination records', 305, 105)
```

c. 5 queries are as follows:

- Register a new pet for an existing owner

Insert into Pet: petNo, name, DOB, species, breed, color, ownerNo, and clinicNo

- Assign a staff member to manage a clinic.

Update Clinic.managerStaffNo for the given clinicNo

- Update pet details for an existing pet

Update Pet: petNo, name, DOB, species, breed, color

- Retrieve all examinations for a specific pet

Query Examination with a condition on petNo

- List all pets owned by a specific owner

Query Pet with a condition on ownerNo

Affected tables of contents shown below:

Updated Pet Table Contents:

```
(301, 'Rari', '2018-03-20', 'Dog', 'Golden Retriever', 'Gold', 201, 1)
(302, 'Alfie', '2020-05-15', 'Cat', 'Siamese', 'Cream', 202, 2)
(303, 'Cookie', '2021-07-01', 'Rabbit', 'Dwarf', 'White', 203, 3)
(304, 'Shadow', '2019-06-01', 'Dog', 'Labrador', 'Black', 204, 4)
(305, 'Bobby', '2022-06-30', 'Hamster', 'Syrian', 'Brown', 205, 5)
(306, 'Luna', '2023-01-15', 'Dog', 'Husky', 'Gray', 202, 2)
```

Updated Clinic Table Contents:

```
(1, 'Downtown Clinic', '123 Main St', '5551234567', 101)
(2, 'Miami Clinic', '456 Elm St', '5552345678', 102)
(3, 'North Clinic', '789 Pine St', '5553456789', 104)
(4, 'Sout Clinic', '321 Oak St', '5554567890', 103)
(5, 'East Clinic', '654 Cedar St', '5555678901', None)
```

d. GitHub Link: <https://github.com/georgemurray12/DSC623FInalProject>

** Corrected ER Diagram below

