

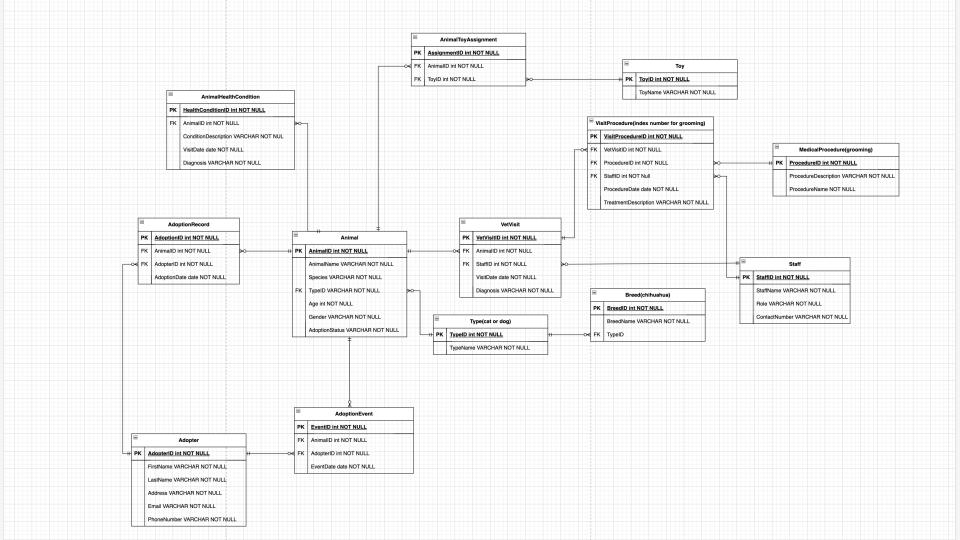
#### **BUSINESS PROBLEM SPACE**

Shelters play a crucial role in providing a safe haven for animals

Challenges: Animal Profiles, Adoption Status, Adopter Details, and Medical History can become overwhelming.

Animal Shelter Database is needed





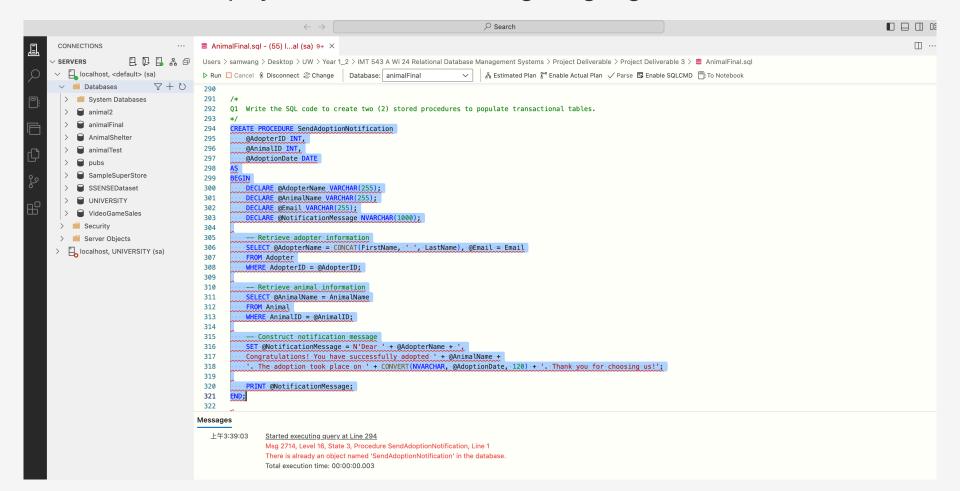
# Why did I choose this topic?

#### Love animals

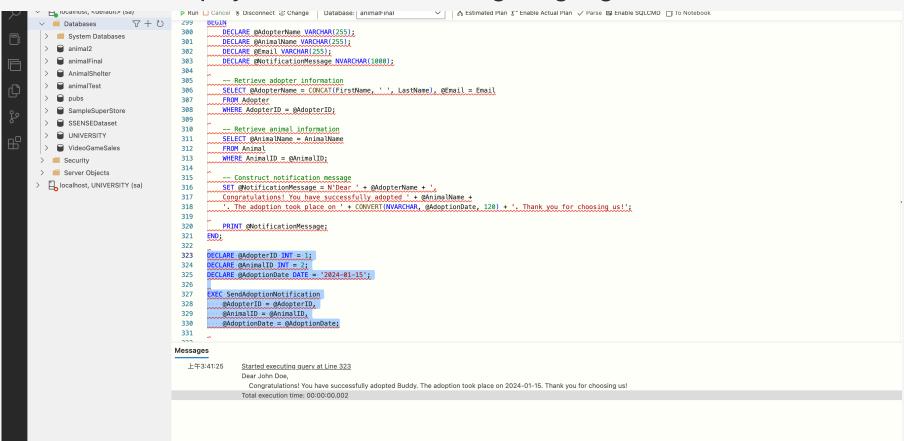
I aim to assist animal shelters making their data managing smoother and enhancing the overall adoption experience, both the shelter side for their operations efficiently and the adopter side



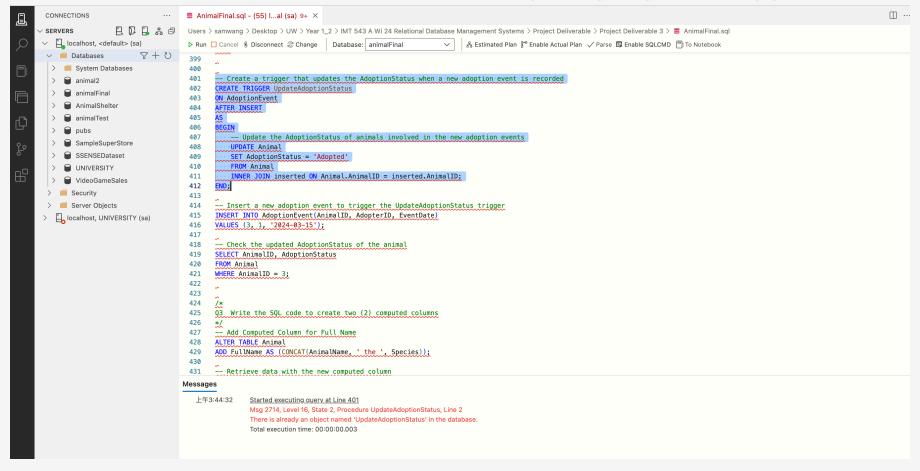
#### 2. DDL/physical database design highlights: Procedure



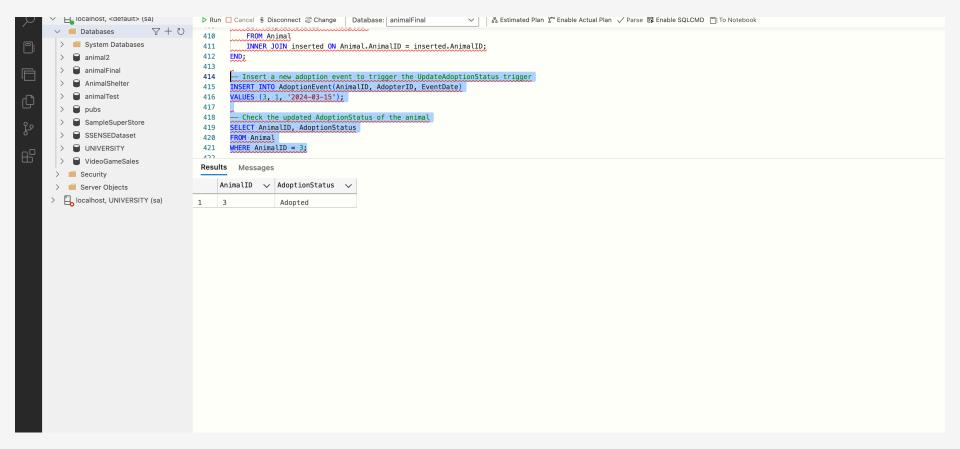
#### 2. DDL/physical database design highlights: Procedure



### 2. DDL/physical database design highlights: Trigger



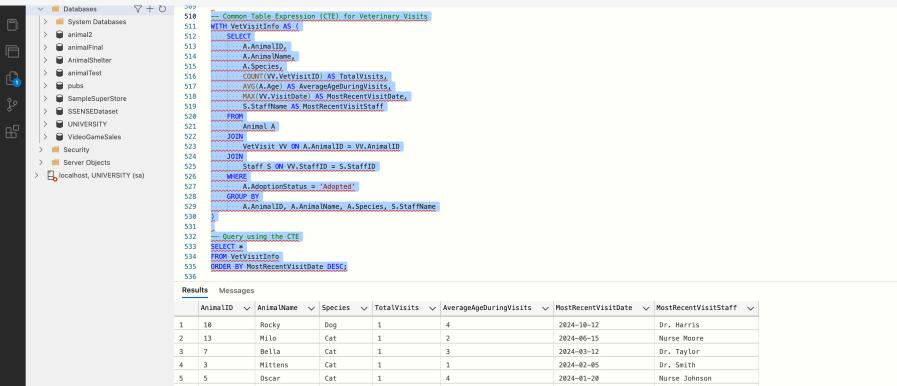
## 2. DDL/physical database design highlights: Trigger



## 3. Retrieving data from the database (SQL)



## 3. Retrieving data from the database (SQL)



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2024-01-15

Nurse Davis

1

Dog

Buddy

## Takeaways

- Database Design: Successfully designed a relational database schema with tables for animals, adoptions, health conditions, staff, and more.
- SQL Skills: SQL commands, including CREATE TABLE, INSERT INTO, and foreign key relationships
- Trigger/Procedure Implementation: Created a trigger to automatically update animal adoption status when corresponding adoption records are inserted.
- Complex Queries and CTE: Formulated complex queries involving table joins, aggregate functions, and a Common Table Expression (CTE) to retrieve insightful information about adopted animals and their veterinary visits.