DDL

PET

CREATE TABLE PET (

pet\_id INT PRIMARY KEY NOT NULL,

name VARCHAR(30) NOT NULL,

species VARCHAR(30) NOT NULL,

breed VARCHAR(50) NOT NULL,

age INT NOT NULL,

sex CHAR(1) NOT NULL,

adopted BIT,

claws BIT NOT NULL,

adoption\_fee DECIMAL(6,2) NOT NULL,

description TEXT

)

ADOPTER

CREATE TABLE ADOPTER(

adopter\_id INT PRIMARY KEY NOT NULL,

name VARCHAR(50) NOT NULL,

address VARCHAR (200) NOT NULL,

email VARCHAR(100) NOT NULL,

phone\_number CHAR(15) NOT NULL

)

ADOPTION\_EVENT

CREATE TABLE ADOPTION\_EVENT(

event\_id INT PRIMARY KEY NOT NULL,

date DATE NOT NULL,

shelter\_id INT NOT NULL,

pet\_id TEXT NOT NULL,

adopter\_id INT NOT NULL,

FOREIGN KEY shelter\_id REFERENCES PET (shelter\_id)

)

APPLICATION

CREATE TABLE APPLICATION(

application\_id INT PRIMARY KEY NOT NULL,

adopter\_id INT NOT NULL,

date DATE NOT NULL,

applicant\_accepted BIT,

FOREIGN KEY adopter\_id REFERENCES ADOPTER (adopter\_id)

)

DONOR

CREATE TABLE DONOR(

donor\_id INT PRIMARY KEY NOT NULL,

name VARCHAR(100) NOT NULL

)

EMPLOYEE

CREATE TABLE EMPLOYEE(

staff\_id INT PRIMARY KEY NOT NULL,

start\_date DATE NOT NULL,

max\_hours INT,

role VARCHAR(50),

FOREIGN KEY staff\_id REFERENCES STAFF(staff\_id)

)

HEALTH\_RECORDS

CREATE TABLE HEALTH\_RECORDS(

record\_id INT PRIMARY KEY NOT NULL,

pet\_id INT NOT NULL,

update\_dateTime DATETIME NOT NULL,

vaccinations TEXT,

records TEXT,

FOREIGN KEY pet\_id REFERENCES PET (pet\_id)

)

SHELTER

CREATE TABLE SHELTER(

shelter\_id INT PRIMARY KEY NOT NULL,

shelter\_name VARCHAR(50) NOT NULL,

address VARCHAR(100) NOT NULL,

capacity INT

)

STAFF

CREATE TABLE STAFF(

staff\_id INT PRIMARY KEY NOT NULL,

name VARCHAR(100) NOT NULL,

phone CHAR(15) NOT NULL,

email VARCHAR(50) NOT NULL,

availability TEXT

)

TRAINER

CREATE TABLE TRAINER(

staff\_id INT PRIMARY KEY NOT NULL,

specialization VARCHAR(100) NOT NULL,

session\_types VARCHAR(100) NOT NULL,

certification\_level VARCHAR(100) NOT NULL,

FOREIGN KEY staff\_id REFERENCES STAFF (staff\_id)

)

TRAINING

CREATE TABLE TRAINING(

session\_id INT PRIMARY KEY NOT NULL,

pet\_id TEXT NOT NULL,

staff\_id INT NOT NULL,

shelter\_id INT NOT NULL,

date DATE NOT NULL,

time TIME(7) NOT NULL,

description TEXT,

FOREIGN KEY staff\_id REFERENCES STAFF (staff\_id),

FOREIGN KEY shelter\_id REFERENCES SHELTER (shelter\_id)

)

VOLUNTEER

CREATE TABLE VOLUNTEER(

staff\_id INT PRIMARY KEY NOT NULL,

preffered\_tasks TEXT,

FOREIGN KEY staff\_id REFERENCES STAFF (staff\_id)

)

DF\_StaffAvailability

ALTER TABLE STAFF

ADD CONSTRAINT DF\_StaffAvailability

DEFAULT ‘Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday’ FOR availability

DF\_PetAdopted

ALTER TABLE PET

ADD CONSTRAINT DF\_PetAdopted

DEFAULT 0 FOR adopted

EMPLOYEE\_MAX\_HOURS

ALTER TABLE EMPLOYEE

ADD CONSTRAINT EMPLOYEE\_MAX\_HOURS

DEFAULT 40 FOR max\_hours

EMPLOYEE\_ROLE

ALTER TABLE EMPLOYEE

ADD CONSTRAINT EMPLOYEE\_ROLE

DEFAULT ‘N/A’ FOR role

DML

INSERT INTO PET(pet\_id, name, species, breed, age, sex, adopted, claws, adoption\_fee, description)

VALUES

(1, ‘Barnaby’, ‘Dog’, ‘Golden Retriever’, 2, ‘M’, 0, 1, 800.00, ‘Lively, Friendly, Clumsy’)

(2, ‘Oscar’, ‘Cat’, ‘Orange’, 1, ‘M’, 0, 1, 600.00, ‘Clumsy, Friendly, Loud, Mischievous’)

(3, ‘Toes’, ‘Cat’, ‘Orange’, 6, ‘M’, 0, 1, 400.00, ‘Loud, Friendly, Anxious’)

INSERT INTO ADOPTER (adopter\_id, name, address, email, phone\_number)

VALUES

(‘Son Goku’, ‘111 thatstreet SE Missoula MT’, ‘[example@gmail.com](mailto:example@gmail.com)’, 1234567890)

(‘Prince Vegeta’, ‘222 thatstreet NW Missoula MT’, ‘[example@outlook.com](mailto:example@outlook.com)’, 0987654321)

INSERT INTO ADOPTION\_EVENT(event\_id, date, shelter\_id, pet\_id, adopter\_id)

VALUES

(120001, ‘2025-01-15’, 123451, 2, 100001)

(120002, ‘2025-03-05’, 123452, 1, 100002)

INSERT INTO APPLICATION (application\_id, adopter\_id, date, applicant\_accepted)

VALUES

(135001, 100001, ‘2024-11-16’, 1)

(135002, 100002, ‘2024-12-13’, 1)

INSERT INTO DONOR (donor\_id, name)

VALUES

(246001, ‘Jimmithy Beast’)

(246002, ‘Hideo Kojima’)

INSERT INTO SHELTER (shelter\_id, shelter\_name, address, capacity)

VALUES

(123451, ‘Keppers!’, ‘313 some street Missoula MT’, 24)

(123452, ‘Parkers Pet Palace’, ‘710 another street Helena MT’, 34)

INSERT INTO STAFF (staff\_id, name, phone, email, availability)

VALUES

(123001, ‘Michael Scott’, ‘111111111’, ‘[MichaelS@gmail.com](mailto:MichaelS@gmail.com)’, ‘Monday, Tuesday, Wednesday, Thursday’)

(123002, ‘Michael Scarn’, ‘2222222222’, ‘[MichaelS@outlook.com](mailto:MichaelS@outlook.com)’, ‘Tuesday, Wednesday, Thursday,

Saturday’)

(123003, ‘Dwigt Schrewt’, ‘3333333333’, ‘[BearsBeetsBSG@gmail.com](mailto:BearsBeetsBSG@gmail.com)’, ‘Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday’)

(123004, ‘Prison Mike’, ‘4444444444’, ‘[NevaGotCaught@gmail.com](mailto:NevaGotCaught@gmail.com)’, ‘Wednesday, Thursday, Friday, Saturday’)

(123005, ‘Erin Hannon’, ‘5555555555’, ‘[ErinHearts@gmail.com](mailto:ErinHearts@gmail.com)’, ‘Tuesday, Thursday’)

INSERT INTO TRAINER (staff\_id, specialization, session\_types, certification\_level)

VALUES

(123003, ‘Behavioral Training’, ‘Solo Training, Group Training’, ‘CPDT-KA’)

(123004, ‘Behavioral Training’, ‘Solo Training’, ‘CAAB’)

INSERT INTO TRAINING (session\_id, pet\_id, shelter\_id, date, time, description)

VALUES

(321001, ‘2’, 123003, 123451, ‘2024-12-15’, ‘10:00:00’, ‘Potty Training’)

(321002, ‘1’, 123004, 123452, ‘2024-12-21’, ‘11:00:00’, ‘Leash Walking’)

INSERT INTO VOLUNTEER (staff\_id, text)

VALUES

(123005, ‘Walking Dogs’)

INSERT INTO EMPLOYEE (staff\_id, start\_date, max\_hours, role)

VALUES

(123001, ‘2024-03-05’, 35, ‘Care Taker’)

(123002, ‘2024-05-18’, 40, ‘Front Desk’)

INSERT INTO HEALTH\_RECORDS

VALUES

(123401, 1, ‘’2024-12-02 09:00:00’, ‘Bordetella, Rabies, Distemper’, ‘[link to medical record] [link to medical record] [link to medical record]’)

(123402, 2, ‘2024-12-06 14:00:00’, ‘Feline panleukopenia virus, Rabies, Feline calicivirus’, ‘[link to medical record] [link to medical record] [link to medical record]’)

(123403, 3, ‘2024-12-08 10:30:00’, ‘NONE’, ‘NO RECORDS’)