SQL Assessment Plan

Pet adoption

Needed data

* User id
* User email
* User password
* Username
* User location
* Animal Name
* Animal species
* Animal breed
* Animal Age
* Animal Location
* Adoption center name
* Adoption center location
* Adoption center hours
* Adoption center animals

Tables

* User
  + Id
  + Username
  + Location
  + Email
  + Password
  + Adopted pets
* Adoption Center
  + ID
  + Name
  + Location
  + Hours
  + Animals
* Animals
  + ID
  + Name
  + Species
  + Age
  + Adoption center
* Species
  + ID
  + Animal species

Relationships

One to one

One to many

* Center to animals
* Species to animals
* User to animals

Many to many

SQL Code

CREATE TABLE user (

user\_id SERIAL PRIMARY KEY,

username VARCHAR(30),

user\_email VARCHAR(50),

user\_password VARCHAR(30),

user\_location VARCHAR(30),

pets VARCHAR NOT NULL REFERENCES animal(animal\_id)

);

CREATE TABLE center (

center\_id SERIAL PRIMARY KEY,

center\_name VARCHAR(30),

center\_location VARCHAR(30),

center\_hours TEXT,

availiable\_animals TEXT NOT NULL REFERENCES animal(animal\_id)

);

CREATE TABLE animal (

animal\_id SERIAL PRIMARY KEY,

animal\_name VARCHAR(30),

animal\_species VARCHAR NOT NULL REFERENCES species(species\_id),

animal\_age INT,

animal\_center VARCHAR REFERENCES center(center\_id),

animal\_owner VARCHAR REFERENCES user(user\_id)

);

CREATE TABLE species (

species\_id SERIAL PRIMARY KEY,

name VARCHAR(20)

);