Staff

Staff (

Name : VARCHAR(50),

Email : VARCHAR(255),

Address : VARCHAR(255),

Staff ID : INTEGER,

Postal Code : VARCHAR(6),

City : VARCHAR(20))

PRIMARY KEY(Staff ID), <- PK

UNIQUE(Email) <- CK

Adopter

Adopter(

Name : VARCHAR(50),

Email : VARCHAR(255),

Address : VARCHAR(255),

Adopter ID : INTEGER,

Postal Code : VARCHAR(6),

City : VARCHAR(20))

PRIMARY KEY(Adopter ID) <- PK

UNIQUE(Email) <- CK

Works_Shift

Works_Shift(

Date : DATE,

Total Duration : INTEGER,

Start : TIME,

End : TIME,

Staff ID: VARCHAR(10),

Shift Type: VARCHAR(20))

PRIMARY KEY(Date, Start, End) <- PK

FOREIGN KEY (Staff ID) REFERENCES Staff <- FK

FOREIGN KEY (Shift Type) REFERENCES Shift <- FK

Donation

Donation(

Payment method : CHAR(4),

Amount : DECIMAL(10, 2),

Transaction ID: INTEGER,

Adopter ID: INTEGER)

PRIMARY KEY(Transaction ID) <- PK

FOREIGN KEY(Adopter ID) <- FK

Donated

Donated(**Transaction ID** : INTEGER,

Adopter ID : INTEGER)

PRIMARY KEY(Transaction ID) <- PK

FOREIGN KEY (AdopterID) REFERENCES Adopter <- FK

FOREIGN KEY (Transaction ID) REFERENCES Donation <- FK

Pet

Pet(

City : VARCHAR(20),

PetID : INTEGER,

Status : BOOLEAN,

Age : INTEGER,

Name : VARCHAR(50))

PRIMARY KEY(ID) <- PK

Interested_In

Interested_In(**Pet ID** : INTEGER,

Adopter ID: VARCHAR(10))

PRIMARY KEY(Pet ID, Adopter ID) <- PK

FOREIGN KEY (Pet ID) REFERENCES Pet(ID) <- FK

FOREIGN KEY (Phone #) REFERENCES Adopter <- FK

Related

Related(**Pet ID** : INTEGER,

Related Pet ID : INTEGER,

Relation : VARCHAR(20))

PRIMARY KEY (Pet ID, Related Pet ID) <- PK

FOREIGN KEY (Pet ID) REFERENCES Pet(ID) <- FK

FOREIGN KEY (Related Pet ID) REFERENCES Pet(ID) <- FK

Vaccination

Vaccination(Vaccine Name: VARCHAR(50),

Next Due: DATE,

Vet Name: VARCHAR(50),

Date: DATE,

Vaccine ID: INTEGER,

Effectiveness Period: INTEGER)

PRIMARY KEY(Vaccine ID) <- PK

Has_Vaccine

Has_Vaccine(**Vaccine ID**: INTEGER,

Pet ID: INTEGER)

PRIMARY KEY (Vaccine ID, Pet ID) <- PK

FOREIGN KEY (Vaccine ID) REFERENCES Vaccination <- FK

FOREIGN KEY (Pet ID) REFERENCES Pet(ID) <- FK

Diet

Diet(ID: INTEGER,

Portion Size: DECIMAL(10,2),

Allergies: TEXT[],

Meal Frequency: INTEGER,

Portion Size : DECIMAL(10,2),

Allergies : TEXT[],

Calories : TEXT[],

Chosen Foods: TEXT[],

Available Foods : TEXT[],

Restricted Foods : TEXT[],

Diet ID: INTEGER)

PRIMARY KEY (Diet ID) <- PK

Has_Diet

Has_Diet(**Diet ID**: INTEGER,

Pet ID: INTEGER)

PRIMARY KEY (Diet ID, Pet ID)<- PK

FOREIGN KEY (Diet ID) REFERENCES Diet(ID) <- FK

FOREIGN KEY (Pet ID) REFERENCES Pet(ID) <- FK

Game

Game(Time: TIME,

ID: INTEGER,

Name: VARCHAR(50),

Description: VARCHAR(255))

PRIMARY KEY (ID) <- PK

UNIQUE(Name) <- CK

Plays

Plays(**Game ID:** INTEGER,

Pet ID: INTEGER)

PRIMARY KEY (Game ID, Pet ID) <- PK

FOREIGN KEY (Game ID) REFERENCES Game(ID) <- FK

FOREIGN KEY (Pet ID) REFERENCES Pet(ID) <- FK

Book_Appointment

Book_Appointment(Date: DATE,

Time: TIME,

Adopter ID: VARCHAR(10) NOT NULL,

Pet ID: INTEGER NOT NULL)

PRIMARY KEY (Date, Adopter ID, Pet ID) <- PK

FOREIGN KEY (Adopter ID) REFERENCES Adopter <- FK

FOREIGN KEY (Pet ID) REFERENCES Pet(ID) <- FK

Breed

Breed(Name : VARCHAR(50),

Coat Color : VARCHAR(10),

Nature : VARCHAR(20))

PRIMARY KEY(Name) <- PK

Is_Breed

Is_Breed(**Name**: VARCHAR(50),

Pet ID : INTEGER)

PRIMARY KEY(Name, Pet ID) <- PK

FOREIGN KEY (Name) REFERENCES Breed <- FK

FOREIGN KEY (Pet ID) REFERENCES Pet(ID) <- FK