

Database assessment - leuan Boucher

Database description

The database will store data for a vet practice. It will allow the practice to keep track of the pets under their care, and what vaccinations each pet has received, alongside details and contact information for owners, and brief details of the doctors at the practice.

For each doctor at the practice, it will store:

- Doctor name
- Types of pets they treat
- Date they joined the practice

For each pet owner:

- Name
- Mailing address
- Phone number
- Email address

For each pet:

- Name
- Owner
- Pet type
- Birthdate
- Vaccination records

Entity descriptions

Pet

Attribute	Type	Primary key	Foreign key	Nullable
Id	Int, autoincrement	✓	X	X
Name	Varchar(20)	X	X	X
Birthdate	Date	X	X	X
Owner_id	Int	X	✓	X
Type_id	Int	X	✓	X

Owner

Attribute	Type	Primary key	Foreign key	Nullable
Id	Int, autoincrement	✓	X	X
Name	Varchar(30)	X	X	X
Address	Varchar(40)	X	X	✓
Phone_number	Varchar(12)	X	X	✓
Email_address	Varchar(30)	X	X	✓

Vaccination

Attribute	Type	Primary key	Foreign key	Nullable
Id	Int, autoincrement	✓	X	X
Name	Varchar(20)	X	X	X
Description	Varchar(40)	X	X	✓

Doctor

Attribute	Type	Primary key	Foreign key	Nullable
Id	Int, autoincrement	✓	X	X
Name	Varchar(30)	X	X	X
Join_date	Date	X	X	X

Type

Attribute	Type	Primary key	Foreign key	Nullable
Id	Int, autoincrement	✓	X	X
Species	Varchar(20)	X	X	X

PetVaccination

Attribute	Type	Primary key	Foreign key	Nullable
Pet_id	Int	✓	✓	X
Vaccination_id	Int	✓	✓	X

TreatedTypes

Attribute	Type	Primary key	Foreign key	Nullable
Type_id	Int	✓	✓	X
Doctor_id	Int	✓	✓	X

Entity relationship diagram

