medical history

PK	record_id
FK1	animal_id
	checkup_date
	diagnosis
	treatment
FK2	staff_id

Animal

PK	animal_id
FK	adopted_by
	species
	gender
	age
	health_status
	availability_status

Staff

PK	staff_id
	name
	role

Adoption Requests

PK	request_id
FK1	animal_id
FK2	adopter_id
	request_date
	status
FK3	staff_id

Adopters

PK	adopter_id
	name
	contact_info
	preferred_species
	home_type

```sql
create database AnimalAdoption;

create table Animal(
    animal_id varchar(10) primary key ,
    adopted_by varchar(10) CHECK ((availability_status != 'adopted' AND adopted_by IS NULL) or (availability_status = 'adopted' AND adopted_by IS NOT NULL)),
    species varchar(10) not null ,
    gender char(1) check ( gender='m' or gender='f' ),
    age int not null ,
    health_status varchar(7) not null check ( health_status = 'healthy' or health_status = 'ill' ),
    availability_status varchar(9) not null check ( availability_status ='available' or availability_status = 'adopted'),
    foreign key (adopted_by) references Adopter(adopter_id)
);


create table Adopter(
    adopter_id varchar(10) primary key ,
    name varchar(20) not null ,
    contact_info varchar(10) not null ,
    preferred_species varchar(20) not null ,
    home_type varchar(20) not null
);

create table Staff(
    staff_id varchar(10) primary key ,
    name varchar(20) not null ,
    role varchar(20) check ( role='veterinarian' or role='coordinator' or role='manager')
);
```

```sql
create table AdoptionRequests(
    request_id varchar(10) primary key ,
    animal_id varchar(10) not null ,
    adopter_id varchar(10) not null ,
    staff_id varchar(10) not null ,
    request_date date not null default current_date,
    status varchar(20) not null check ( status='pending'or status='approved'or status='rejected' ),
    foreign key (animal_id) references Animal(animal_id),
    foreign key (adopter_id) references Adopter(adopter_id),
    foreign key (staff_id) references Staff(staff_id)
);

create table MedicalHistory(
    record_id varchar(10) primary key ,
    animal_id varchar(10) not null ,
    staff_id varchar(10) not null  ,
    checkup_date date not null default current_date,
    diagnosis varchar(20) not null ,
    treatment varchar(20) not null ,
    foreign key (animal_id) references Animal(animal_id),
    foreign key (staff_id) references Staff(staff_id)
);


insert into staff value ( staff_id '1', name 'Mshari', role 'veterinarian');
insert into staff value ( staff_id '2', name 'Ahmed', role 'manager');
insert into staff value ( staff_id '3', name 'Waleed', role 'coordinator');
insert into staff value ( staff_id '4', name 'Essa', role 'veterinarian');

insert into adopter value ( adopter_id '1', name 'Mohammed', contact_info '0512345678', preferred_species 'cat', home_type 'apartment');
insert into adopter value ( adopter_id '2', name 'Faisal', contact_info '0512345678', preferred_species 'dog', home_type 'apartment');
insert into adopter value ( adopter_id '3', name 'Hashim', contact_info '0512345678', preferred_species 'fish', home_type 'apartment');
insert into adopter value ( adopter_id '4', name 'Salem', contact_info '0512345678', preferred_species 'bird', home_type 'apartment');


insert into animal value ( animal_id '1', adopted_by null, species 'cat', gender 'm', age 5, health_status 'healthy', availability_status 'available');
insert into animal value ( animal_id '2', adopted_by null, species 'bird', gender 'f', age 1, health_status 'healthy', availability_status 'available');
insert into animal value ( animal_id '3', adopted_by null, species 'fish', gender 'm', age 2, health_status 'healthy', availability_status 'available');


insert into  adoptionrequests value ( request_id '1', animal_id '1', adopter_id '1', staff_id '1', request_date default, status 'pending');
insert into  adoptionrequests value ( request_id '2', animal_id '2', adopter_id '1', staff_id '2', request_date default, status 'pending');
insert into  adoptionrequests value ( request_id '3', animal_id '3', adopter_id '1', staff_id '4', request_date default, status 'pending');


insert into medicalhistory value ( record_id '1', animal_id '1', staff_id '1', checkup_date default, diagnosis 'headache', treatment 'some pills');
insert into medicalhistory value ( record_id '2', animal_id '2', staff_id '1', checkup_date default, diagnosis 'headache', treatment 'some pills');
insert into medicalhistory value ( record_id '3', animal_id '3', staff_id '1', checkup_date default, diagnosis 'headache', treatment 'some pills');

update animal SET health_status = 'ill' where animal_id = '3';

delete adopter FROM adopter where adopter_id = '4';
```