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Project Report: Group 12

Part 1:

We will assume that admins are not users and thus will need to be disjoint from users. We also assumed that admins will have a Boolean that will specify if the profile is an admin user. Additionally, we will assume that if admins want to adopt animals, they will need to have a separate account user account. Admins will be the only people that can add, remove or edit an animal listing.

The documentation did not state the cardinality rations so we will outline them as we discuss our assumptions and design. Only each admin can add/remove multiple animals. Every admin can edit a listing created by another admin. We also need to the ssn of the admin since they are employees, but we will not use it as a primary key. The primary key for all profiles will be the profile_id and the Boolean of isAdmin. When the admin edits an animal listing this will generate a changelog of what has changed from the previous listing, thus increasing accountability in admin posting.

A user cannot remove/add/edit anima listings, but they can like multiple animals, donate to multiple animals and adopt multiple animals. We decided to vary the fee for animal adoption which will change depending on the number of animals to be adopted. Users can also inquiry about animals. Admins cannot inquiry about animals, however they can answer inquiries from users. We will assume that once an inquiry is answered by admin, the inquiry will be settled as resolved. This means that only one admin can respond an inquiry. However, each inquiry does not need to be answered by an admin.

We will assume that the animal shelter can take in common animals such as insects, snakes, fishes, dogs, birds, cats, and horses. Since a dog can't be a cat and a fish can't be a dog this are disjoint subclasses. The superclass of animal holds common attributes such as breed, date, name, etc. Since the requirement did not consider safety, we decided to include a is_kid_friendly attribute to demonstrate safety risks of animals. We also assumed that animals admitted will be tested for sicknesses, thus we will need a multivalued attribute known as sickness. Additionally, instead of size we decided to have a weight, and height attribute as they are a little bit more specific.

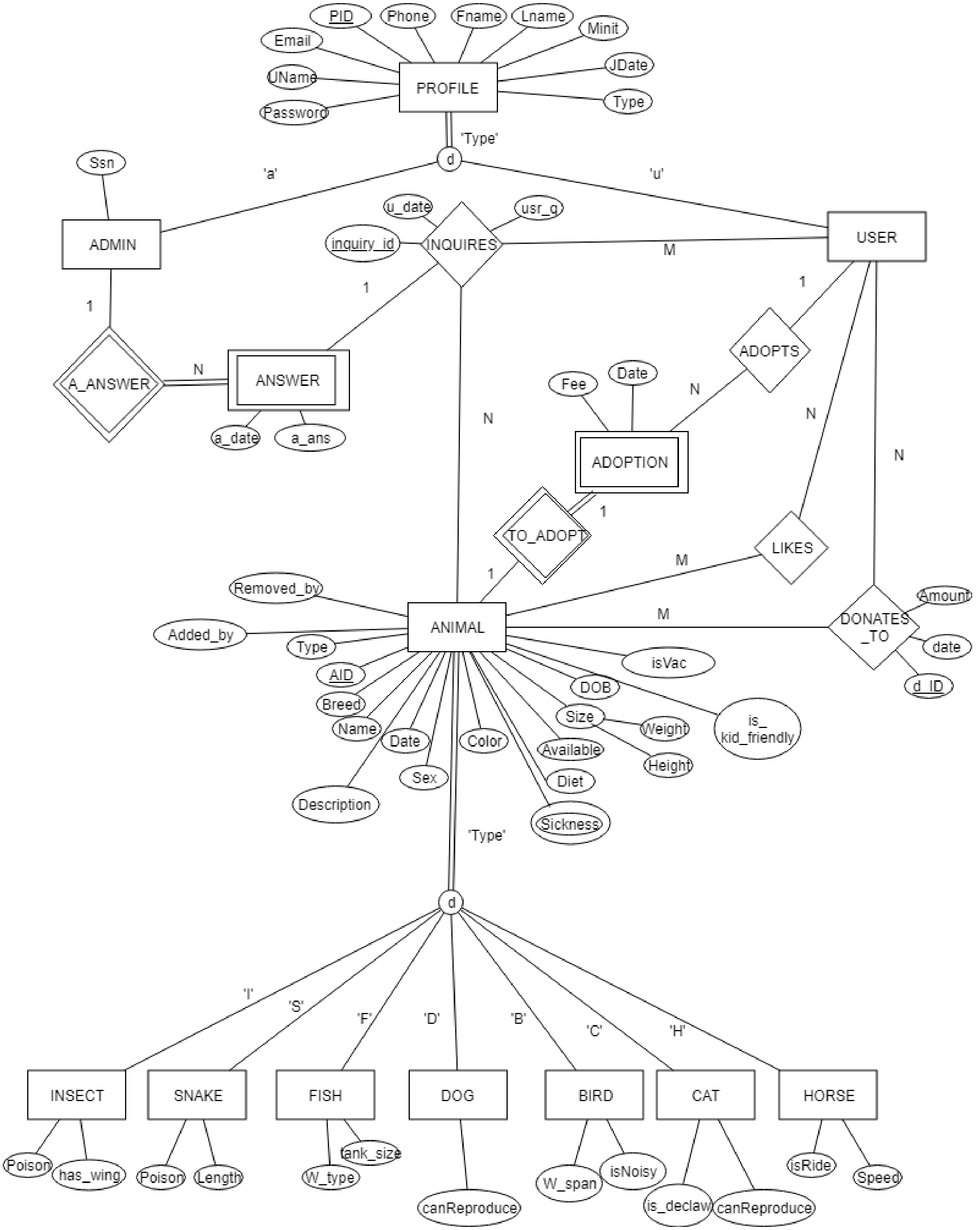
We will need to consider each transaction for each donation to an animal so we will need to have a unique key integer key for each donation. Additionally, we also need a log_id for each animal listing edit an admin does. This will allow us to specifically target edits.

Each animal listing must be added by an admin, but not every listing must be removed or edited by an admin, additionally, not every animal will have an inquiry or be liked or will have anything donated to them. Therefore, we would need to include an entry in the animal table to account for which admin added the animal and which admin removed the animal. Every user won't necessarily like, donate, adopt, or inquire about an animal. Additionally, every admin won't necessarily answer an inquiry.

We will also assume that every animal can only be adopted by one user. Each animal listing can be liked by many users, and every animal listing can receive donations from many users.

Since the requirements did not state what the description must include, we decided to make it a short biography that the admin creates when they add the animal listing. The requirements did not state what the fee should be or if it should vary so we will have the fee be, so we decided to make the fee be a flat amount of $125.00 that decreases at a rate of 5% for every additional animal adopted. Additionally, we decided to adjust the size requirement to be more specific. We will take the height, and weight of the animal and then at runtime we will calculate the size. Size as stated in the attributes is derived attribute from height and weight. Additionally, age is not a good attribute to use, so changed age to be date of birth as age can be derived from date of birth more easily.

EER Diagram next page and in folder submission ->


PID
Phone
Fname
Lname
Minit
Email
JDate
UName
PROFILE
Type
Password
'Type'
d
Ssn
'a'
'u'
u_date
usr_q
inquiry_id
INQUIRES
ADMIN
USER
M
1
1
1
ADOPTS
A_ANSWER
N
ANSWER
Fee
Date
N
a_date
a_ans
N
N
N
ADOPTION
1
TO_ADOPT
LIKES
M
1
Removed_by
Amount
M
ANIMAL
DONATES_TO
Added_by
Type
date
isVac
AID
d_ID
DOB
Breed
Size
Weight
is_kid_friendly
Name
Date
Color
Available
Height
Sex
Diet
Description
Sickness
'Type'
d
'I'
'S'
'F'
'D'
'B'
'C'
'H'
INSECT
SNAKE
FISH
DOG
BIRD
CAT
HORSE
Poison
has_wing
Poison
Length
tank_size
W_type
canReproduce
W_span
isNoisy
is_declaw
canReproduce
isRide
Speed

Part 2:

When we mapped our diagram to a relation schema, we followed the 9-step process. First, we mapped all the regular entity types, which were profile, and animal. Next, step 2, we had to map the weak entity types. Since we had two weak entity types we had to create an adoption and an answer table. The adoption table needs to have the foreign key placed into the table from animal. Additionally, the answers table needs to add a foreign key from the primary key from admin which is profileid. After that we followed the next step, step 3. Since we did had only 1 1:1 relationship which was a total and partial participation. However, since we already moved the primary key from the animal table to the adoption weak entity type as a foreign key, then there was no reason to do this step.

In step 4, since we already moved the primary key from the admin table to the answer table then we did not need to do anything for this relationship. The ADOPTS relationship is a 1:N relationship. Therefore, we need to move the primary key from user and place it into the ADOPTION table as a foreign key.

In step 5 we had to create cross reference tables because we had M:N relationships. We had to create an edits table, a donates_to table, and a likes table. Both used the primary keys of the entities related to the relationship as foreign keys.

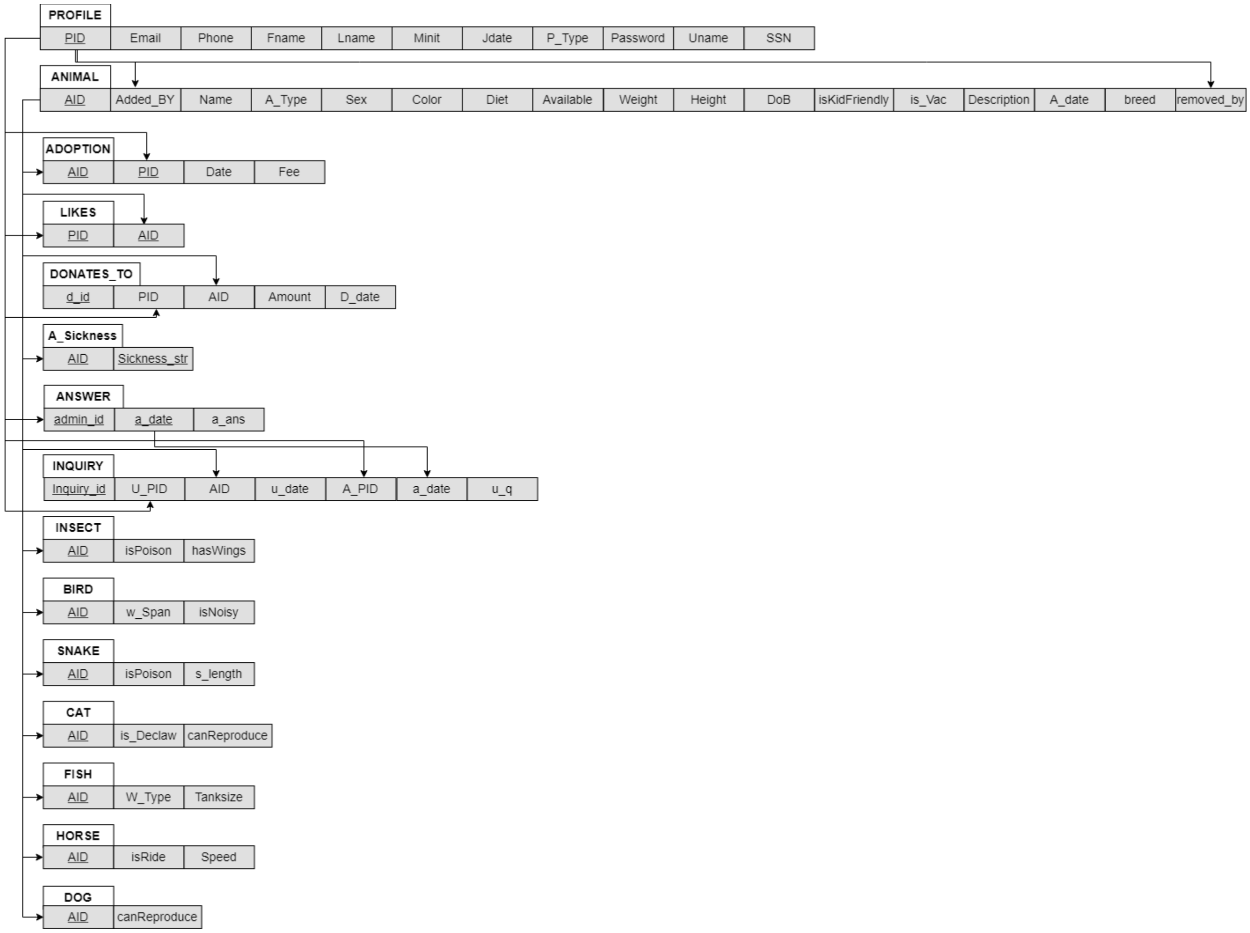
In step 6, since we had 1 multivalued attribute, we had to create a new table for the sickness of each animal. This had the animal_id and a string describing their sickness.

In step 7, since we had one ternary key for the EER model we had to get the primary key from ANSWER, USER, and ANIMAL. This would then create a separate relation that is used as a cross reference. The ANSWERS primary key is a combination of ADMIN_PID and a_date which is of time date time which also records seconds. This will give us a gurantee that it can be uniquely identified with the date and admin profile id. The inquiries table would have its own primary key that uniquely identifies each adoption.

In step 8, since we had disjoint subclasses for PROFILE, and ANIMAL, we had to decide on which approach to use for each superclass. We decided to use option C for profile and only use one relation. This is because the extra two attributes from the admin class won’t be a big burden on the database if they are all set to NULL. It is more resource compliant than A and B. However, for the animal table, we had to use option A because we had many attributes and many subclasses that had specific attributes. Thus, to mitigate a lot of NULL values we decided to with this approach and instead reference the attributes using the AID as a foreign key.

Since we did not have any union types, we did not have to do step 9.

Relational schema next page and in folder submissions ->



PROFILE
PID | Email | Phone | Fname | Lname | Minit | Jdate | P_Type | Password | Uname | SSN

ANIMAL
AID | Added_BY | Name | A_Type | Sex | Color | Diet | Available | Weight | Height | DoB | isKidFriendly | is_Vac | Description | A_date | breed | removed_by

ADOPTION
AID | PID | Date | Fee

LIKES
PID | AID

DONATES_TO
d_id | PID | AID | Amount | D_date

A_Sickness
AID | Sickness_str

ANSWER
admin_id | a_date | a_ans

INQUIRY
Inquiry_id | U_PID | AID | u_date | A_PID | a_date | u_q

INSECT
AID | isPoison | hasWings

BIRD
AID | w_Span | isNoisy

SNAKE
AID | isPoison | s_length

CAT
AID | is_Declaw | canReproduce

FISH
AID | W_Type | Tanksize

HORSE
AID | isRide | Speed

DOG
AID | canReproduce

We made PID and AID an auto incrementing attribute because it will ensure a unique primary key that grows as the number of users grows. Uname is a varchar(12) because it is what the requirements specified. We will ensure that the username is at least size 8 in the form entry on the database. We made email a varchar(100), phone a varchar(12), fname a varchar(100), minit a char, jdate a DateTime, type a char, and password a varchar(12) to meet requirements.

Ssn is varchar(9) and can be null since users don't need to put their Ssn into the database to have an account, only admins need to do that. Dogs typically don't have long names so their name can be of max length 100 (varchar(100)). Description is longer because we need more information so we decided to give it a max size of 500 chars (varchar(500)).

Sex could've been represented as a bit but we decided to use a char because it is more readable. Sickness_str is the attribute that holds the name of the sickness of the dog. Thus, we should give it a small character limit of 50 (varchar(50)). Diet would list a list of foods that they can eat. Thus, we need 200 characters (varchar(200)). We would make available a bit to represent a Boolean. Weight and height would be measured in pounds and would have the datatype float to ensure accuracy. DOB is of type DateTime.

Is_kid_friendly and is_vac as is a bit to represent a Boolean. a_ans would need to be lengthier than the inquiry so we gave it 500 characters (varchar(500)). The fee is a float to represent money. Amount is the amount of money that a user gives, therefore it is a float. Donate_id is an auto incrementing integer to ensure primary key uniqueness. u_q is the inquiry of the user, thus we need to give them ample room to ask a question which would be varchar(500)). Additionally, u_date and a_date will be of type DateTime so we can display it in the interface. a_date needs to be of type DATETIME so that we can uniquely identify an answer to an inquiry. Inquiry will also contain a specific inquiry ID that auto increments. isPoison, has_wing, canReproduce, isNoisy, isDeclaw, and isRide is are bits to represent Booleans. Length is a float to give an accurate statistic about the snake. W_type is the type of fish i.e. freshwater vs saltwater, thus we decided to make it a char with 'f' representing a freshwater and 's' representing saltwater.

We also specified a tank_size that would be the recommended tank size in Gallons of the fish. It would need to be an integer as we do not need precision. Wingspan needs to be a float because using integers would be too ambiguous on actual size of the animal. Speed is an integer because I am going to assume the shelter uses a police speedometer which is an integer.

We would not want to delete animals, instead we should change their listing as unavailable to retain some data of adoptions and past inquiries. Thus, if we delete an admin then the animal should stay put, however if we update an admin that added the animal then it should cascade too all. So we added a removed_by and added_by attribute in animal table so that we can keep track of which admin deleted and which admin added an animal to the database. Therefore it is a foreign key to the animal table.

If we delete an animal from the ANIMAL table, it would be bad for data tracking. We would not want to delete the animal because we will lose valuable data of which user adopted which animals. Thus, we should instead switch the animal to unavailable. The unavailable attribute is essential in maintaining data integrity. Additionally, if we make an animal unavailable from the animal table, we should remove their entry in the sickness table because they can no longer be adopted and thus the entry is no longer needed.

For all the animal subtables (i.e. insect, table, cat, etc.) we would want to delete on cascade because if we remove the animal from the database (make them unavailable) then they need to be deleted from their respective classification table.

SQLs statements in next page and attached as a file in submission->

```
CREATE TABLE PROFILE (
    PID INTEGER NOT NULL AUTO_INCREMENT,
    Email varchar(100) NOT NULL,
    Phone varchar(12),
    Fname varchar(100) NOT NULL,
    Lname varchar(100) NOT NULL,
    Minit CHAR,
    Jdate DateTime NOT NULL,
    P_TYPE CHAR NOT NULL,
    P_Password varchar(12) NOT NULL,
    Uname varchar(12) NOT NULL UNIQUE,
    Ssn varchar(9),
    UNIQUE(PID),
    UNIQUE(Email),
    UNIQUE(Phone),
    UNIQUE(Uname),
    PRIMARY KEY (PID)
);

CREATE TABLE ANIMAL(
    AID INTEGER NOT NULL AUTO_INCREMENT,
    Added_by INTEGER NOT NULL,
    Removed_by INTEGER DEFAULT NULL,
    Name varchar(100),
    A_TYPE CHAR NOT NULL,
    Sex CHAR NOT NULL,
    Color varchar(50) NOT NULL,
    Diet varchar(200),
    Available BIT NOT NULL,
    Weight FLOAT NOT NULL,
    Height FLOAT NOT NULL,
    DoB DateTime NOT NULL,
    is_kid_friendly BIT NOT NULL,
    is_vac BIT,
    Description varchar(500),
    A_date DateTime NOT NULL,
    Breed varchar(20),
    UNIQUE(AID),
    PRIMARY KEY(AID),
    FOREIGN KEY (Added_by) REFERENCES PROFILE(PID) ON DELETE NO ACTION ON UPDATE
CASCADE,
    FOREIGN KEY (Removed_by) REFERENCES PROFILE(PID) ON DELETE NO ACTION ON
UPDATE CASCADE
);
CREATE TABLE LIKES(
    AID INTEGER NOT NULL,
    PID INTEGER NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID),
    FOREIGN KEY (PID) REFERENCES PROFILE(PID),
    PRIMARY KEY (AID, PID)
);

CREATE TABLE ADOPTION(
    AID INTEGER NOT NULL,
    PID INTEGER NOT NULL,
    adopt_date DateTime NOT NULL,
    fee float NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID),
    FOREIGN KEY (PID) REFERENCES PROFILE(PID),
    PRIMARY KEY (AID, PID)
);

CREATE TABLE DONATES_TO(
    d_id INTEGER NOT NULL AUTO_INCREMENT,
    AID INTEGER NOT NULL,
    PID INTEGER NOT NULL,
    Amount float NOT NULL,
    D_date DateTime NOT NULL,
    UNIQUE(d_id),
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID),
    FOREIGN KEY (PID) REFERENCES PROFILE(PID),
    PRIMARY KEY (d_id)
);

CREATE TABLE A_sickness(
    AID INTEGER NOT NULL,
    Sickness_str varchar(50),
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID) ON DELETE CASCADE,
    PRIMARY KEY (AID, Sickness_str)
);

CREATE TABLE ANSWERS(
    admin_id INTEGER NOT NULL,
    a_date DateTime NOT NULL,
    a_ans VARCHAR(500) NOT NULL,
    FOREIGN KEY (admin_id) REFERENCES PROFILE(PID),
    PRIMARY KEY(admin_id, a_date)
);

CREATE TABLE INQUIRY(
    Inquiry_id INTEGER NOT NULL AUTO_INCREMENT,
    U_PID INTEGER NOT NULL,
    A_PID INTEGER DEFAULT NULL,
    AID INTEGER NOT NULL,
    u_date DateTime NOT NULL,
    u_q varchar(500),
    a_date DateTime,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID),
    FOREIGN KEY (U_PID) REFERENCES PROFILE(PID),
    FOREIGN KEY (A_PID) REFERENCES PROFILE(PID),
    PRIMARY KEY (Inquiry_id)
);

CREATE TABLE INSECT(
    AID INTEGER NOT NULL,
    is_Poison BIT NOT NULL,
    has_Wings BIT NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID) ON DELETE CASCADE,
    PRIMARY KEY (AID)
);

CREATE TABLE BIRD(
    AID INTEGER NOT NULL,
    w_span FLOAT NOT NULL,
    isNoisy BIT NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID) ON DELETE CASCADE,
    PRIMARY KEY (AID)
);

CREATE TABLE SNAKE(
    AID INTEGER NOT NULL,
    is_Poison BIT NOT NULL,
    s_Length FLOAT NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID) ON DELETE CASCADE,
    PRIMARY KEY (AID)
);

CREATE TABLE CAT(
    AID INTEGER NOT NULL,
    isDeclaw BIT NOT NULL,
    canReproduce BIT NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID) ON DELETE CASCADE,
    PRIMARY KEY (AID)
);
```

```
CREATE TABLE FISH(
    AID INTEGER NOT NULL,
    w_type CHAR NOT NULL,
    Tanksize INTEGER NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID) ON DELETE CASCADE,
    PRIMARY KEY (AID)
);

CREATE TABLE HORSE(
    AID INTEGER NOT NULL,
    isRide BIT NOT NULL,
    Speed INTEGER NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID) ON DELETE CASCADE,
    PRIMARY KEY (AID)
);

CREATE TABLE DOG(
    AID INTEGER NOT NULL,
    canReproduce BIT NOT NULL,
    FOREIGN KEY (AID) REFERENCES ANIMAL(AID) ON DELETE CASCADE,
    PRIMARY KEY (AID)
);
```

Here is the information for

DONATIONs

Donate id	Users ID	Anima ID	Date	Amount
1	1	20	2019-04-12 00:00:00	$12.25
2	1	19	2019-03-12 00:00:00	$20.00
3	2	18	2019-03-01 00:00:00	$50.00
4	2	17	2019-02-12 00:00:00	$43.12
5	3	16	2019-01-01 00:00:00	$5.00
6	3	15	2019-02-23 00:00:00	$12.00
7	4	14	2019-04-20 00:00:00	$19.25
8	4	13	2019-02-02 00:00:00	$17.00
9	5	12	2019-02-21 00:00:00	$15.00
10	5	11	2019-03-12 00:00:00	$18.00
11	6	10	2019-02-10 00:00:00	$20.00
12	6	9	2019-03-12 00:00:00	$1.00
13	7	8	2018-01-12 00:00:00	$12.23
14	7	7	2019-03-18 00:00:00	$25.00
15	8	6	2019-02-12 00:00:00	$4.00
16	8	5	2019-04-01 00:00:00	$6.00
17	9	4	2019-03-12 00:00:00	$8.00
18	9	3	2019-01-12 00:00:00	$9.99
19	10	2	2019-02-04 00:00:00	$17.00
20	10	1	2019-04-13 00:00:00	$200.00
21	11	2	2019-02-14 00:00:00	$13.27
22	11	3	2019-02-14 00:00:00	$19.99
23	12	4	2019-02-14 00:00:00	$15.00
24	12	5	2019-02-14 00:00:00	$45.50
25	13	6	2019-02-14 00:00:00	$20.11
26	13	7	2019-02-14 00:00:00	$15.67
27	14	8	2019-01-01 00:00:00	$10.00
28	14	9	2019-02-01 00:00:00	$18.90
29	15	10	2019-03-23 00:00:00	$5.00
30	15	11	2019-04-14 00:00:00	$1.00
31	16	12	2019-04-01 00:00:00	$0.01
32	16	13	2019-04-01 00:00:00	$0.01
33	17	14	2019-04-01 00:00:00	$0.01
34	17	15	2019-04-01 00:00:00	$0.02
35	18	16	2019-04-01 00:00:00	$0.03
36	18	17	2019-04-01 00:00:00	$500.00
37	19	18	2019-04-23 00:00:00	$5.00
38	19	19	2019-05-01 00:00:00	$20.00
39	20	20	2019-05-02 00:00:00	$10.50
40	20	1	2019-02-10 00:00:00	$11.35

Adoption

User ID	Animal ID	Date	Fee
1	1	2019-02-14 00:00:00	$125.00
1	5	2019-02-12 00:00:00	$125.00
1	7	2019-04-21 00:00:00	$12.00
2	2	2019-03-14 00:00:00	$25.00
2	3	2019-05-02 00:00:00	$500.00
2	12	2019-01-12 00:00:00	$125.00
4	11	2019-02-21 00:00:00	$165.00
5	6	2019-04-20 00:00:00	$25.00
6	8	2019-05-01 00:00:00	$100.00
14	4	2019-05-03 00:00:00	$1,250.00

ANIMALs

Animal ID	Admin ID (Added)	Admin ID (Removed)	Animal Name	Animal Type	Sex	Color	Diet	Available	Weight	Height	Date of Birth	Kid Friendly	Vaccinated	Description	Added Date	Breed
1	45		Saul	S	M	Green	small mammals	0	34	7.8	2010-11-24 00:00:00	0	1	Saul is a deadly snake	2018-09-22 00:00:00	Rattle
2	48		Kobe	S	M	Black	small mammals	0	3.5	2.5	2015-06-06 00:00:00	0	0	Not the NBA player	2018-11-24 00:00:00	B. Mamba
3	49		Tamanna	F	F	Grey	other fish	0	120	6	2013-09-15 00:00:00	0	0	Hammer Head shark that has 360 degree vision	2019-04-20 00:00:00	H. Shark
4	50		Angel	F	M	Grey/White	other fish	0	170	6	2012-12-11 00:00:00	0	0	King of the sea	2011-04-29 00:00:00	G.W. Shark
5	45		Steven	I	M	Green	small insects	0	0.2	0.2	2019-03-12 00:00:00	1	0	Steven the praymantis is looking for a home	2015-09-22 00:00:00	Pray mantis
6	47		Charlotte	I	F	Black/Red	small insects	0	0.05	0.5	2018-12-03 00:00:00	0	0	Charlotte the black widow needs a home	2015-10-22 00:00:00	B. Widow
7	49		Rex	D	M	Golden	Dry food	0	50.7	19.5	2012-07-01 00:00:00	1	1	friendly face	2017-09-21 00:00:00	Pit Bull Terrier
8	48		Bailey	D	F	Black	Dry food	0	60.3	22.3	2015-12-12 00:00:00	1	1	friendly face	2015-09-22 00:00:00	Labrador/Retriever
9	47		Charlie	B	M	Black	Grain,Seeds,Fruit	1	8.2	24	2016-10-23 00:00:00	1	1		2016-12-13 00:00:00	Black Australorp
10	50		Ricky	B	M	Gray/White	Nuts,Flowers,Seeds,Fruit,Insects	1	3.2	12	2013-02-17 00:00:00	1	1		2018-04-20 00:00:00	Cockatiel Parrot
11	47		Bella	C	F	Black/White Tuxedo	Dry Food	0	8.2	9.1	2015-03-12 00:00:00	1	1		2018-04-21 00:00:00	Tuxedo/Short Hair
12	48		Leo	C	M	Orange/White	Dry food	0	8.7	9.6	2017-06-19 00:00:00	1	1		2018-04-22 00:00:00	Short Hair
13	45		Serendipity	H	F	Bay	Grass,Hay,Oats/Wheat/Barley	1	503	48	2014-07-12 00:00:00	1	1		2017-09-21 00:00:00	Welsh Pony
14	46		Kaslin	H	M	Chestnut/Sorrel	Grass,Hay,Oats/Wheat/Barley	1	510	49	2012-06-21 00:00:00	1	1		2018-05-12 00:00:00	Welsh/Paint Pony
15	48		Toby	D	F	Black/Tan/Brown	Dry food	1	70.7	25.1	2017-07-22 00:00:00	1	1		2018-12-12 00:00:00	German Shepherd
16	49		Rocky	D	M	White/Brown	Dry food	1	85.3	24.1	2016-11-27 00:00:00	1	1		2018-07-04 00:00:00	American Bulldog
17	50		Regina	H	F	Grullo	Grass,Hay,Oats/Wheat/Barley	1	1117	61.2	2015-01-24 00:00:00	1	1		2019-03-04 00:00:00	Quarter Horse
18	50		Ranger	H	M	Chestnut/Sorrel	Grass,Hay,Oats/Wheat/Barley	1	1024	59.3	2011-04-21 00:00:00	1	1		2017-07-12 00:00:00	Quarter Horse
19	49		Lucy	C	F	Gray/Blue/Silver	Dry Food	1	8.4	9.3	2014-02-16 00:00:00	1	1		2017-09-12 00:00:00	Siamese/Tabby

20	45	Charlie	C	M	Black/White Tuxedo	Dry Food	1	8.3	9.4	2015-07-22 00:00:00	1	0		2017-01-21 00:00:00	Short Hair

PROFILEs

Profile ID	Email	Phone	First Name	Last Name	Middle Initital	Join Date	Profile Type	Password	Username	Social Security number
1	gospodin@live.com	2312959984	Macbeth	Trapani	N	2019-01-14 07:17:48	u	QWnwJP8ctVP	Archeyan	
2	boomzilla@optonline.net	9602396941	Abhishek	Moore	A	2019-03-30 09:13:44	u	du6wLzfFzzq	Arnalymu	
3	eurohack@yahoo.ca	8484698211	Marva	McDaniel	J	2019-02-15 19:15:32	u	FRt4XSBk79C	Bioherm	
4	oneiros@msn.com	7366445551	Yasmin	Thorpe	P	2019-02-22 02:20:20	u	y87Gk5vDG7L	BlabBandit	
5	lstaf@mac.com	9576388302	Felicidad	Anthonyson	I	2019-01-13 03:06:08	u	9HgGUPydm8K	Blondcitype	
6	tmccarth@att.net	8473702170	Mikael	Egger	L	2019-03-22 07:35:14	u	Vky6jEd5kZw	Bonviles	
7	ramollin@verizon.net	5635783030	Quetzalcoatl	McCaig	M	2019-02-21 11:39:47	u	LAVBt4T2ep7	Burkeover	
8	pavel@mac.com	9573960578	Baruch	Grier	P	2019-04-02 17:43:55	u	3ERZgeJk4WZ	Canyonsor	
9	cyrus@yahoo.ca	4215252137	Mansur	Cruz	K	2019-02-06 22:34:36	u	xAU3AAHzrT6	Cheenobusk	
10	danny@aol.com	5139157569	Sigge	Sauvage	H	2019-01-11 17:56:15	u	PHFg7Amktn8	Coverageld	
11	sinkou@att.net	8367608571	Ryouta	Melville	G	2019-02-13 20:34:38	u	PQ6hqQPFXMn	Crayonicom	
12	lcheng@att.net	9406871345	Alfbern	Brotz	H	2019-03-09 20:27:46	u	n5fBasnBUMZ	Forgeridi	
13	skaufman@hotmail.com	7367840283	Frediano	Sharma	P	2019-03-09 04:50:47	u	ZVxAt2dgwEv	KhadNote	
14	stakasa@icloud.com	3498674399	Theocritus	Alessi	C	2019-03-25 19:35:01	u	SKzrjc6Wcm7	KinAut	
15	burns@outlook.com	5212705562	Eilwen	Eason	C	2019-02-24 01:56:41	u	b8kpRLRkcCf	Litechbl	
16	tlinden@yahoo.ca	8246310116	Murchadh	Mueller	N	2019-03-09 22:52:54	u	JcQQ9JqCAzq	Merlante	
17	amimojo@me.com	6735903662	Dilipa	Chaudhari	L	2019-01-31 02:51:57	u	bpSRyLTFygq	MomUpfor	
18	smartfart@me.com	9412914030	Remo	Rigby	N	2019-04-04 00:53:38	u	QycRgdRy7CN	Narancybe	
19	schumer@hotmail.com	8567808408	Goda	Horne	T	2019-02-12 05:58:46	u	6QLU3kXE6ME	Number1in	
20	jbuchana@verizon.net	5213058466	Abena	Pletcher	M	2019-03-21 04:41:45	u	ZrCyvVHpzne	NumGod	
21	earmstro@hotmail.com	2282031917	Haunani	Forsberg	N	2019-03-03 17:41:26	u	w4wTGcJgLBt	Ocucommer	
22	goresky@gmail.com	2378625034	Eiran	Roncalli	Q	2019-01-03 02:53:30	u	kucMxq2t9Jt	Orrhythe	
23	miltchev@yahoo.ca	4363913177	Lykourgos	Dunst	L	2019-03-20 23:33:24	u	ceQ5ArNyUrS	Panterb	
24	noahb@msn.com	6492547776	Jam	MacShuibhne	T	2019-02-06 00:37:12	u	KWUvsAPba2L	Pawnata	
25	bmidd@mac.com	9108340015	Madelyn	Josephson	T	2019-01-10 17:18:08	u	8d887bWSHKK	PeatearFoot	
26	pdbaby@hotmail.com	8909239737	Ahti	McNaughton	J	2019-02-13 11:00:31	u	QeWvGSUpskN	PostFate	
27	jkegl@yahoo.ca	5898864247	Hector	Schroeder	S	2019-01-13 09:27:33	u	cCRp5CvLRGh	Queyarmaid	
28	kodeman@comcast.net	7464385857	Roshanara	Seelenfreund	E	2019-03-05 07:14:10	u	8RQSMDD2bZh	ReporterXo	
29	fairbank@mac.com	5755480774	Iskandar	Severijns	M	2019-01-11 15:50:53	u	Dkfs8xkZvFP	TickerChik	

30	chaki@comcast.net	6666905330	Augustine	Morgenstern	D	2019-01-04 00:36:50	u	sC3nzT4ts5Y	TimeMatter	
31	mlewan@comcast.net	7553787701	Lalitha	Sarkozi	S	2019-04-19 15:05:15	u	t9ZJ353MQnH	Commpylea	
32	amaranth@att.net	3574001898	Cristi	Campos	G	2019-01-27 22:34:19	u	s2mnXfPcgng	Cowserde	
33	dkrishna@gmail.com	4389004612	Lorena	Coburn	B	2019-03-02 16:58:16	u	Ef7GcNnUm9e	Detecifie	
34	jamuir@sbcglobal.net	5427051251	Bronislava	Abramo	N	2019-02-01 07:42:11	u	WZhm7HnTTvw	DoggKhad	
35	luvirini@att.net	5954629116	Dominykas	Borisov	A	2019-01-03 05:27:22	u	cM3zH6Y2N8G	Dysgnex	
36	lstein@gmail.com	9042665091	July	Havel	C	2019-03-10 11:42:51	u	ZAfssZjGbpH	Emarment	
37	carmena@msn.com	5192881529	Karthikeyan	Lakatos	O	2019-01-17 15:30:00	u	m8uh4rfUPvd	Ferdymedxch	
38	stevelim@hotmail.com	8098199476	Seve	Elzinga	L	2019-03-10 06:24:37	u	2EzreCM4DYZ	ForFreex	
39	nichoj@msn.com	7434568504	Bran	Kynaston	Q	2019-03-20 14:43:36	u	xeVcU5KVgLR	Goofylkerca	
40	aaribaud@mac.com	4406241897	Petro	Abbingh	A	2019-03-27 18:56:34	u	xqM8GspK2Pq	Guitaristem	
41	ghost@me.com	4866102456	Gianluigi	Blythe	K	2019-03-23 12:31:51	u	YVvQnsUub4h	Gunsissa	
42	lbaxter@optonline.net	9597033239	Lakshmi	Demir	E	2019-03-13 08:54:53	u	QBpw3cz5GJk	GuyKing	
43	josem@me.com	2913128760	Madhavi	Honda	F	2019-04-20 23:15:26	u	6gju2Wje787	HeadlineSmg	
44	janneh@yahoo.com	3544496985	Merrilyn	Hermans	V	2019-01-18 21:17:33	u	u6ddtgCRLGj	HelpMissing	
45	fangorn@outlook.com	9925762957	Margarida	Donohue	L	2019-01-11 09:13:39	a	spSqqMrMuvj	Kogagro	123121234
46	smcnabb@verizon.net	2747587440	Sieglinde	Siddall	M	2019-01-14 16:35:55	a	BEgH2uFgUtS	Primedyst	998778987
47	ribet@msn.com	2956125865	Primus	Eriksson	A	2019-03-07 03:36:11	a	QrDk4dW9J4L	Proudmannie	987456789
48	mchugh@mac.com	6383125143	Dike	Lane	N	2019-02-18 05:57:11	a	SR8XURzn99D	Seaguptis	123432123
49	gslondon@verizon.net	6413845245	Bruno	Cruz	B	2019-02-17 18:54:29	a	pFdq3C4fMCr	Shockward	678431234
50	shaffei@sbcglobal.net	9475780909	Snezhana	Foster	B	2019-04-14 07:24:05	a	GqravqbKtHG	Stylishco	123121234

DOGs

Animal ID	Can Reproduce
7	0
8	1
15	0
16	1

BIRDs

Animal ID	Wing Span	Noisy
9	13	1
10	17	0

CATs

Animal ID	Declawed	Can Reproduce
11	1	0
12	1	0
19	0	0
20	1	0

FISHs

Animal ID	Water Type	Tank Size
3	s	1000
4		1000

4	s	1000

HORSEs		
Animal ID	Rideable	Speed
13	1	13
14	1	22
17	1	10
18	1	17

INSECTs		
Animal ID	Poisonous	Has Wings
5	0	0
6	1	0

SNAKEs		
Animal ID	Poisonous	length
1	1	7.8
2	1	2.5

LIKEs	
Animal ID	User ID
1	1
2	1
3	1
1	2
2	2
3	2
1	3
1	19

INQUIRYs						
Inquiry ID	User Question	User ID	Admin ID	Animal ID	Date of Question	Response Date
1	Is this cat a rescue?	20	45	20	2019-02-10 00:00:00	2019-04-27 03:13:28
2	Is this snake safe to keep with other snakes?	1		1	2019-04-20 00:00:00	
3	What time do you guys open?	1		17	2019-03-12 00:00:00	
4	Is this shark raised in sanctuary or in wild?	2	45	3	2019-02-11 00:00:00	2019-04-28 04:25:45
5	Why do you guys even take these sharks?	3		4	2019-02-10 00:00:00	
6	Can I take him to church?	2	50	5	2019-01-09 00:00:00	2019-04-27 09:20:15
7	Is he a good boy?	30	50	16	2019-01-13 00:00:00	2019-04-29 10:30:02
8	Is this cat a rescue?	20		12	2019-02-22 00:00:00	
9	Will this make a good valentines gift?	20	50	3	2019-02-14 00:00:00	2019-04-28 04:25:45
10	Will this make a good valentines gift?	20		14	2019-02-14 00:00:00	
11	Will this make a good valentines gift?	20		15	2019-02-14 00:00:00	

SICKNESSes	
Animal ID	Sickness

ANSWERs		
Admin ID	Response Date	Response
45	2019-04-27 03:13:28	yes this cat is a rescue!
45	2019-04-28 04:25:45	This shark was raised in a sanctuary, wild sharks are dangerous?
50	2019-04-27 09:20:15	You can take him anywhere he is a family member!
50	2019-04-28 04:25:45	Pets are not objects please treat them with respect
50	2019-04-29 10:30:02	He is the best boy!

UTAnimals Cares about your friends

We at UTAnimals value our guest as much as our own family.
Please take care of our family members when adopting.