

Repository link: https://github.students.cs.ubc.ca/CPSC304-2023W-T1/project_d3h8z_d6z0q_y3i2d

SQL SCRIPT IS IN DDL/InitializeTableStatements.sql

1) **Project Description:**

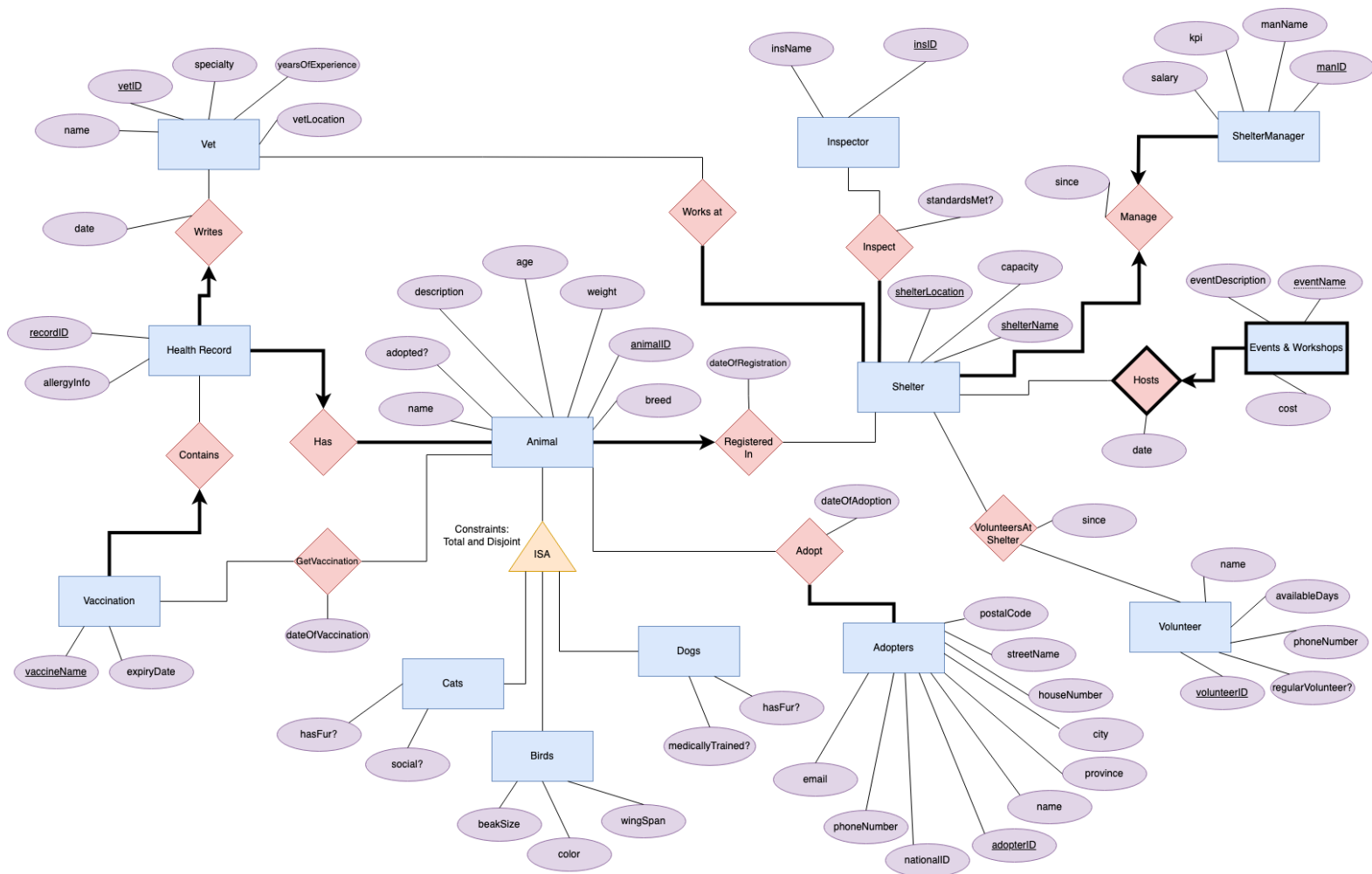
In this project we built an Animal Shelter Management Website. Our website is targeted specifically for shelter managers and aims to make managers' responsibilities more manageable by allowing them to keep track of everything that is related to the shelter they manage and helping them efficiently complete their daily tasks .

Here are the key features of our website:

1. A new shelter manager can sign up and login to our website.
2. As soon as a manager logs in, only the information related to the shelter that manager is responsible for shows up on all of the pages. The manager can use the navigation bar to access all the pages we have on our website.
 - The pages on our website are Home, Volunteers, Adopters, Vets, Inspectors, Events and Workshops, Animals, Dogs, Cats and Birds
 - (Additionally we have a reset button that resets the system. It should be used when the website is being used for the first time.)
 - Logout directs the manager to the Login page.
3. Home page includes information about the shelter that the manager is managing such as shelter name, shelter location, shelter capacity and number of volunteers. Additionally there is a dropdown menu that allows the manager to view any table with any attribute of their choice.
4. Volunteers page allows the shelter manager to add volunteers for this shelter. There is a list of volunteers being displayed in a table and a table of volunteer IDs that are already in use. Additionally, the manager can use a form to find volunteers available for specific times in a week.
5. Adopters page allows the manager to insert new adopters and update their information. There is a list of adopters displayed on a table where the manager can choose to view the table either with Address or without address using the dropdown menu. There is also a table displayed for the list of unadopted animal IDs in this shelter.
6. Vets page allows the manager to insert new vets. It also allows the manager to find for which specialties your shelters have vets that match the minimum years of experience that the manager specified using a form.
7. The inspector page allows the manager to insert new inspectors, view the list of inspectors for that shelter in a table and also it shows the inspector IDs that are already in use in a table.
8. Event and workshops page allows the manager to insert, update and delete events. It also shows a list of events in a table.

9. Animal page allows the manager to insert, update and delete all animals. It also shows a list of animals in a table. There is also a button that allows the manager to calculate the average age of each breed in that shelter.
10. Dogs page allows the manager to view only the table for Dogs. In addition, there is a table that shows overweight dogs in this shelter and a button that will allow the manager to view the dogs that got all vaccines.
11. Cats page allows the manager to view only the table for Cats. In addition, there is a table that shows overweight cats in this shelter and a button that will allow the manager to view the cats that got all vaccines. Also there is a form that helps the manager find a cat with certain features across all shelters.
12. Birds page allows the manager to view only the table for Bird. In addition, there is a table that shows overweight birds in this shelter and a button that will allow the manager to view the birds that got all vaccines.

Initial Design [ER Diagram]:



Changes to our design:

- we took out total participation for shelter to vets and inspectors
 - In our website, managers sign up with their manager ID and they give shelter name/location because it is a total participation one-to-one relationship. We thought it would be awkward for the manager to have to also add a vet and inspector to a newly added shelter in this scenario - so we removed the total participation.
- changed shelterManagerInfo table name to Manager for simplicity.
- changed ShelterManagerPerformance table name to ManagerPerformance for simplicity.
- added NOT NULL to manager password because it makes more logical sense (user cannot be signed up with no password)
- added ON DELETE CASCADE for HealthRecord, GetVaccination and Adopt since they all reference RegisteredAnimals and we want to be able to successfully delete an animal.
- added ON DELETE SET NULL for Vaccination and delete the original NOT NULL constraint for recordID.

2) List of Relational Schemas:

Manager=(manID, manPassword, **shelterLocation**, **shelterName**, manName, **kpi**, since)

ManagerPerformance = (kpi, salary)

Vet (vetID, vetName, specialty, yearsOfExperience, vetLocation)

VetWorksAtShelter (vetID, **shelterLocation**, **shelterName**)

Shelter(shelterLocation, capacity, shelterName)

EventsHosted(eventName, eventDescription, cost, eventDate, **shelterLocation**, **shelterName**)

AdoptersInfo(adopterID, nationalID, name, phoneNumber, email, **postalCode**, houseNumber)

AdoptersLocation(postalCode, city, streetName, province)

Adopt(**adopterID**, **animalID**, dateOfAdoption)

AvailableDaysRegularVolunteer(availableDays, regularVolunteer)

Volunteer (volunteerID, name, availableDays, phoneNumber, regularVolunteer)

VolunteersAtShelter (**volunteerID**, **shelterLocation**, **shelterName**, since)

Inspector(insName, insID)

Inspect(insID, **shelterLocation**, **shelterName**, standardsMet)

RegisteredAnimal (animalID, name, adopted?,description, age, weight, breed, **shelterLocation**, **shelterName**)

Cats (animalID, hasFur,social)

Dogs (animalID, medicallyTrained, hasFur)

Birds(animalID, beakSize, wingSpan, color)

GetVaccination(animalID, vaccinationName,dateOfVaccination)

Vaccination (vaccineName, expiryDate, **recordID**)

HealthRecord (recordID, allergyInfo, **vetID**,**animalID**)

3) Screenshots of DB After Reset (Initial Insert Statements):

AvailableDaysRegularVolunteer:

Available Days	Regular Volunteer
-----	-----
TTTTTTT	1
TTTTTTF	1
TTTTFFF	1
TFTFFFF	1
FFFFFFF	0
FTFTTFF	1

Volunteer:

Volunteer ID	Name	Available Days	Phone Number
-----	-----	-----	-----
V123	Sam Johns	TTTTTTT	1231231234
V124	Clara Yang	TTTTTTF	1231239999
V125	Anna Smith	TTTTFFF	7781111111
V444	Robert Robertson	FFFFFFF	6046046044
V445	Blake Tran	TTTTFFF	2233445566
V446	Clare Cooper	TTTTFFF	3452435267
V447	Jake Miles	FFFFFFF	1234567888
V448	Jamie Finley	FTFTTFF	2342342344
V126	Chase Jones	TFTFFFF	1231231234
V127	Larry Miller	FFFFFFF	2220004444

Inspector:

InsName	InsID
Selina	I001
Ece	I002
Sogand	I003
Tony	I004
Zed	I005

Vet:

VetID	Vet Name	Specialty	Years of Experience	Vet Location
V001	Andy White	Cardiology	6	Surrey
V002	Jack Allen	Cardiology	4	Surrey
V003	Jackie Brown	Neurology	3	Surrey
V004	Mary Moore	Oncology	2	San Francisco
V005	Sandy Blum	Dentistry	8	Dentistry

AdoptersLocation:

Postal Code	City	Street Name	Province
123456	Toronto	120 Bremner Blvd	Ontario
34F567	Toronto	20 Bay Street	Ontario
45A67S8	Mississauga	2375 Skymark Avenue	Ontario
V7TDZ4	Vancouver		British Columbia
444555	Cambridge	705 Fountain Street N.	Ontario

AdoptersInfo:

AdopterID	NationalID	AdopterName	Phone Number	Email	Postal Code	House Number
A000	7290920930	Jane Smith	7781234567	jane98smith@gmail.com	123456	12
A001	7599921838	Joe Johnson	6449826543	joe.johnson@gmail.com		17
A002	7899234932	Natalia Davis	5223426189	nattyisb32.davis@gmail.com	34F567	912
A003	7899980938	Jason Ng	5671231212	jas65.ng@gmail.com	45A67S8	789
A005	7145980938	Clark Brown	2355678912	clark.brown456@outlook.com	V7TDZ4	23
A006	7166980938	Sara Brown	2359929988	sara.brown6@outlook.com	444555	13
A007	7166000038	Andy Smith	2352228888	andy.smith@outlook.com	444555	13
A008	7166111038	Ally Smith	1010101010	ally@outlook.com	444555	13
A009	7123450038	Jones Blake	2020202020	jones@outlook.com	V7TDZ4	23

Shelter:

Shelter Location	Capacity	Shelter Name
270 Gerrard St E, Toronto, Ontario	200	Lovely Pet Home
322 Dundas St W, Toronto, Ontario	150	Loving Care Animal Shelter
101 Oak Street, Evacuationville, USA	500	Lovely Pet Home
10776 King George Boulevard, Surrey, British Columbia	100	Paws and Claws Animal Shelter
4455 110 Avenue SE, Calgary, Alberta	300	The Animal Haven
234 Willow Lane, Supportville, USA	500	The Animal Haven

VetWorksAtShelter:

VetID	Shelter Location	Shelter Name
V001	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
V002	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
V003	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
V004	234 Willow Lane, Supportville, USA	The Animal Haven
V005	234 Willow Lane, Supportville, USA	The Animal Haven

Inspect:

InsID	Shelter Location	Shelter Name	Standards Met
I001	234 Willow Lane, Sup portville, USA	The Animal Haven	1
I002	234 Willow Lane, Sup portville, USA	The Animal Haven	1
I002	4455 110 Avenue SE, Calgary, Alberta	The Animal Haven	1
I003	10776 King George Bo ulevard, Surrey, Bri tish Columbia	Paws and Claws Anima l Shelter	1
I004	270 Gerrard St E, To ronto, Ontario	Lovely Pet Home	1
I004	322 Dundas St W, Tor onto, Ontario	Loving Care Animal S helter	0

ManagerPerformance:

KPI	SALARY
AnimalAdoptionRate : 70%	5000/month
AnimalAdoptionRate : 75%	5500/month
AnimalAdoptionRate : 60%	4000/month
AnimalAdoptionRate : 50%	4000/month
AnimalAdoptionRate : 80%	6000/month

Manager:

ManID	MANPASSWORD	Shelter Location	Shelter Name	ManName	KPI	Since
M001	myt	322 Dundas St W, Toronto, Ontario	Loving Care Animal Shelter	Seth Smith	AnimalAdoptionRate : 70%	02-FEB-20
M002	myt	234 Willow Lane, Newportville, USA	The Animal Haven	Jordon Miles	AnimalAdoptionRate : 70%	09-OCT-09
M003	pass	4455 110 Avenue SE, Calgary, Alberta	The Animal Haven	Sarah Coles	AnimalAdoptionRate : 60%	29-NOV-10
M004	pass4	101 Oak Street, Unionville, USA	Lovely Pet Home	Nick Knightly	AnimalAdoptionRate : 50%	27-MAY-10
M005	pass5	10776 King George Boulevard, British Columbia	Paws and Claws Animal Shelter	Anna Johnson	AnimalAdoptionRate : 70%	15-APR-17

VolunteersAtShelter:

Volunteer ID	Shelter Location	Shelter Name	Since
V123	270 Gerrard St E, Toronto, Ontario	Lovely Pet Home	11-NOV-23
V124	270 Gerrard St E, Toronto, Ontario	Lovely Pet Home	27-OCT-23
V125	101 Oak Street, Unionville, USA	Lovely Pet Home	11-NOV-23
V126	10776 King George Boulevard, British Columbia	Paws and Claws Animal Shelter	01-JAN-07
V126	234 Willow Lane, Newportville, USA	The Animal Haven	04-AUG-10
V444	10776 King George Boulevard, British Columbia	Paws and Claws Animal Shelter	18-DEC-10
V445	10776 King George Boulevard, British Columbia	Paws and Claws Animal Shelter	23-FEB-10
V446	10776 King George Boulevard, British Columbia	Paws and Claws Animal Shelter	05-SEP-19
V447	10776 King George Boulevard, British Columbia	Paws and Claws Animal Shelter	14-AUG-13
V448	10776 King George Boulevard, British Columbia	Paws and Claws Animal Shelter	04-OCT-11

EventsHosted:

Event Name	Event Description	Cost	Event Date	Shelter Location	Shelter Name
Adoption Party	A fun event where you can meet and adopt adorable shelter pets	\$20 per person	20-MAY-22	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
Pet Play Day	Playtime for pets and people with games and activities	\$10 per person	24-DEC-22	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
Pets 101	Time to learn about being a pet owner	\$15 per person	24-DEC-23	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
Sick pet caring	Caring ways for your sick pet	\$10 per person	12-NOV-23	234 Willow Lane, Portville, USA	The Animal Haven
Vets 101	Which vets can you trust?	\$11 per person	06-DEC-23	234 Willow Lane, Portville, USA	The Animal Haven

Registered Animal:

Animal ID	Name	Adopted Description	Age	Weight	Breed	Shelter Location	Shelter Name
C000	Smokey	0 A very cute cat. Loves to be pet.	3	8	British Shorthair	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C001	Pinky	0 Not a playful cat.	3	20	Siamese	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C002	Bonbon	1 Loves to cuddle and eat.	3	15	Bengal	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
C003	Bambi	0 Bambi loves to be pet.	1	13	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C004	Daisy	1 Loves to eat. Always hungry	5	15	Ragdoll	234 Willow Lane, Portville, USA	The Animal Haven
C005	Kitkat	1 Loves kitkats	0	10	Ragdoll	234 Willow Lane, Portville, USA	The Animal Haven
C006	Catcat	0 is a ver nice cat	10	18	Bengal	234 Willow Lane, Portville, USA	The Animal Haven
C007	Kitty	0 Kitty is really cute	4	10	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D000	Spots	1 A good boy, lots of energy.	1	15	Dalmatian	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D001	Jamie	0 Playful dog and loves to cuddle	5	20	Labrador	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D002	Wolfie	0 Loves to cuddle.	3	15	Golden Retriever	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
D003	Luna	1 Luna loves when you pet her.	1	8	Chinese Crested Dog	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D004	Bear	1 Loves to eat.	1	3	Husky	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B000	Coco	1 Peaceful bird.	3	8	Finch	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B001	Bluey	1 Speaks a lot. So cute.	5	20	Macaw	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home

B002	Jay	0 Loves to speak	3	15 Parrot	322 Dundas St W, Tor Loving Care Animal S onto,Ontario helter
B003	Raven	0 Angry bird	1	8 Grey parrot	10776 King George Bo Paws and Claws Anima ulevard, Surrey, Bri l Shelter tish Columbia
B004	Kiwi	0 Loves to eat. Always hungry	1	3 Dove	234 Willow Lane, Sup The Animal Haven portville, USA
C008	Mr. Cat	0 Fun cat	3	4 Siamese	10776 King George Bo Paws and Claws Anima ulevard, Surrey, Bri l Shelter tish Columbia
C009	Paws	1 Loves to run around	3	3 Siamese	10776 King George Bo Paws and Claws Anima ulevard, Surrey, Bri l Shelter tish Columbia
C010	Whiskers	1 Very active	5	5 Siamese	10776 King George Bo Paws and Claws Anima ulevard, Surrey, Bri l Shelter tish Columbia
C011	Stripes	0 Sleeps all day	7	6 Ragdoll	10776 King George Bo Paws and Claws Anima ulevard, Surrey, Bri l Shelter tish Columbia
C012	Fuzzy	0 Smart cat	3	5 Ragdoll	10776 King George Bo Paws and Claws Anima ulevard, Surrey, Bri l Shelter tish Columbia

Cats:

Animal ID	HasFur	Social
C000	1	1
C001	1	0
C002	1	1
C003	1	1
C004	1	0
C005	0	1
C006	1	0
C007	1	0
C008	1	0
C009	0	1
C010	1	1
C011	1	1
C012	1	1

Dogs:

ANIM	MEDICALLYTRAINED	HASFUR
D000	1	1
D001	0	1
D002	1	1
D003	0	0
D004	0	1

Birds:

Animal ID	BeakSize	WingSpan	Color
B000	4	25	White
B001	7	30	Blue
B002	9	20	Green
B003	12	25	Blue
B004	5	12	Grey

Health Record:

RecordID	AllergyInfo	VetID	Animal ID
R123	Dairy	V001	C001
R111	Pollen	V001	D002
R222	Fish	V002	C002
R333	Fish	V004	C003
R444	Chicken	V005	D004

Vaccination:

Vaccine Name	Expiry Date	RecordID
Rabies Vaccine	22-FEB-45	R123
Bordetella Vaccine	10-FEB-24	R111
Canine Parvovirus Vaccine	06-JUN-30	R222
Feline Distemper Vaccine	09-FEB-34	R333
Avian Influenza Vaccine	02-SEP-29	R444

GetVaccination:

Animal ID	Vaccine Name	Date of Vaccination
C000	Rabies Vaccine	20-JAN-22
C000	Bordetella Vaccine	21-MAR-22
C000	Canine Parvovirus Vaccine	04-FEB-21
C000	Feline Distemper Vaccine	09-SEP-22
C000	Avian Influenza Vaccine	09-FEB-23
C008	Rabies Vaccine	22-JAN-22
C008	Bordetella Vaccine	21-APR-22
C008	Canine Parvovirus Vaccine	04-JAN-20
C008	Feline Distemper Vaccine	09-JUL-21
C008	Avian Influenza Vaccine	09-FEB-20
C010	Rabies Vaccine	26-JAN-22
C010	Bordetella Vaccine	26-MAR-22
C010	Canine Parvovirus Vaccine	04-DEC-21
C010	Feline Distemper Vaccine	19-NOV-22
C010	Avian Influenza Vaccine	19-OCT-23
C012	Bordetella Vaccine	26-MAY-22
C012	Canine Parvovirus Vaccine	13-OCT-21
C012	Feline Distemper Vaccine	09-DEC-22
C012	Avian Influenza Vaccine	20-JAN-23

C002	Avian Influenza Vacc	17-SEP-23
	ine	
C003	Rabies Vaccine	20-JAN-22
C003	Bordetella Vaccine	21-MAR-22
C003	Canine Parvovirus Va	04-FEB-21
	ccine	
C003	Feline Distemper Vac	09-SEP-22
	cine	
C003	Avian Influenza Vacc	09-FEB-23
	ine	
D001	Bordetella Vaccine	04-FEB-21
D003	Rabies Vaccine	20-JAN-22
D003	Bordetella Vaccine	21-MAR-22
D003	Canine Parvovirus Va	04-FEB-21
	ccine	
D003	Feline Distemper Vac	09-SEP-22
	cine	
D003	Avian Influenza Vacc	09-FEB-23
	ine	
D002	Bordetella Vaccine	09-SEP-22
D002	Feline Distemper Vac	09-FEB-23
	cine	
B001	Rabies Vaccine	20-JAN-22
B001	Bordetella Vaccine	21-MAR-22
B001	Canine Parvovirus Va	04-FEB-21
	ccine	
B001	Feline Distemper Vac	09-SEP-22
	cine	
B001	Avian Influenza Vacc	09-FEB-23
	ine	
B002	Rabies Vaccine	20-JAN-22
B003	Bordetella Vaccine	21-MAR-22
B002	Canine Parvovirus Va	04-FEB-21
	ccine	
B004	Feline Distemper Vac	09-SEP-22
	cine	

Adopt:

AdopterID	Animal ID	Date of Adoption
A000	C005	23-AUG-23
A001	D004	02-SEP-23
A002	B002	03-OCT-23
A003	B000	11-OCT-23
A005	C004	22-OCT-23
A006	C001	06-NOV-23
A007	D003	02-JUN-22
A008	C010	07-NOV-23
A009	C009	04-DEC-22

4) Screenshots of Before, During, After Queries:

Insert:

- Volunteers has availableDays as a FK
 - If available days are inputted and it does not already exist in AvailableDaysRegularVolunteer table, then we first add to that table
- File: routeHandler.php, function: handleInsertVolunteerRequest(), line: (insert into availableDays -> 1161), (insert into volunteer -> 1177)

BEFORE:

Volunteer:

Volunteer ID	Name	Available Days	Phone Number
V123	Sam Johns	TTTTTTT	1231231234
V124	Clara Yang	TTTTTTF	1231239999
V125	Anna Smith	TTTTFFF	7781111111
V444	Robert Robertson	FFFFFFF	6046046044
V445	Blake Tran	TTTTFFF	2233445566
V446	Clare Cooper	TTTTFFF	3452435267
V447	Jake Miles	FFFFFFF	1234567888
V448	Jamie Finley	FTFTTFF	2342342344
V126	Chase Jones	TFFFFFF	1231231234
V127	Larry Miller	FFFFFFF	2220004444

AvailableDaysRegularVolunteer:

Available Days	Regular Volunteer
TTTTTTT	1
TTTTTTF	1
TTTTFFF	1
TFFFFFF	1
FFFFFFF	0
FTFTTFF	1

GUI (DURING): in "vounteers.php" page

Id:

Name:

Days Available:

Phone Number:

AFTER:

Volunteer ID	Name	Available Days	Phone Number
V999	Sam Sammy	FTTTTTT	5555555556
V123	Sam Johns	TTTTTTT	1231231234
V124	Clara Yang	TTTTTTF	1231239999
V125	Anna Smith	TTTTFFF	7781111111
V444	Robert Robertson	FFFFFFF	6046046044
V445	Blake Tran	TTTTFFF	2233445566
V446	Clare Cooper	TTTTFFF	3452435267
V447	Jake Miles	FFFFFFF	1234567888
V448	Jamie Finley	FTFTTFF	2342342344
V126	Chase Jones	TFFFFFF	1231231234
V127	Larry Miller	FFFFFFF	2220004444

Available Days	Regular Volunteer
FTTTTTT	1
TTTTTTT	1
TTTTTTF	1
TTTTFFF	1
TFFFFFF	1
FFFFFFF	0
FTFTTFF	1

Delete:

We do delete on animals since it has an ISA relationship with cats,dogs and birds, and they have ON DELETE CASCADE for animals. HealthRecord, Adopt, and GetVaccination also has ON DELETE CASCADE for animals.

- Code: routeHandler.php, function:handleDeleteAnimalRequest() -> line 210

Before:

ALL registered animals in our DB:

Animal ID	Name	Adopted	Description	Age	Weight	Breed	Shelter Location	Shelter Name
C000	Smokey	0	A very cute cat. Loves to be pet.	3	8	British Shorthair	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C001	Pinky	0	Not a playful cat.	3	20	Siamese	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C002	Bonbon	1	Loves to cuddle and eat.	3	15	Bengal	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
C003	Bambi	0	Bambi loves to be pet.	1	13	Calico	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C004	Daisy	1	Loves to eat. Always hungry	5	15	Ragdoll	234 Willow Lane, Portland, USA	Sup The Animal Haven
C005	Kitkat	1	Loves kitkats	0	10	Ragdoll	234 Willow Lane, Portland, USA	Sup The Animal Haven
C006	Catcat	0	is a very nice cat	10	18	Bengal	234 Willow Lane, Portland, USA	Sup The Animal Haven
C007	Kitty	0	Kitty is really cute.	4	10	Calico	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D000	Spots	1	A good boy, lots of energy.	1	15	Dalmatian	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D001	Jamie	0	Playful dog and loves to cuddle	5	20	Labrador	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D002	Wolfie	0	Loves to cuddle.	3	15	Golden Retriever	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
D003	Luna	1	Luna loves when you pet her.	1	8	Chinese Crested Dog	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D004	Bear	1	Loves to eat.	1	3	Husky	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B000	Coco	1	Peaceful bird.	3	8	Finch	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B001	Bluey	1	Speaks a lot. So cute.	5	20	Macaw	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B002	Jay	0	Loves to speak	3	15	Parrot	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
B003	Raven	0	Angry bird	1	8	Grey parrot	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B004	Kiwi	0	Loves to eat. Always hungry	1	3	Dove	234 Willow Lane, Portland, USA	Sup The Animal Haven
C008	Mr. Cat	0	Fun cat	3	4	Siamese	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C009	Paws	1	Loves to run around	3	3	Siamese	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C010	Whiskers	1	Very active	5	5	Siamese	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C011	Stripes	0	Sleeps all day	7	6	Ragdoll	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C012	Fuzzy	0	Smart cat	3	5	Ragdoll	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter

Logged in as M005, these are animals for **THIS SHELTER ONLY**:

Animal ID	Name	Adopted	Description	Age	Weight	Breed	Shelter Location	Shelter Name
C003	Bambi	0	Bambi loves to be pet.	1	13	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C007	Kitty	0	Kitty is really cute.	4	10	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D003	Luna	1	Luna loves when you pet her.	1	8	Chinese Crested Dog	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D004	Bear	1	Loves to eat.	1	3	Husky	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B003	Raven	0	Angry bird	1	8	Grey parrot	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter

During(GUI):

Delete Animal:

AnmialID's are in the format 'CXXX or BXXX or DXXX' where X are integers between 0-9. You can only delete existing animals in this shelter.

AnimalID:

List of Registered Animals in this shelter

AnimalID	Name	Adopted	Description	Age	Weight	Breed
C003	Bambi	No	Bambi loves to be pet.	1	13	Calico
C007	Kitty	No	Kitty is really cute.	4	10	Calico
D003	Luna	Yes	Luna loves when you pet her.	1	8	Chinese Crested Dog
D004	Bear	Yes	Loves to eat.	1	3	Husky
B003	Raven	No	Angry bird	1	8	Grey parrot
C008	Mr. Cat	No	Fun cat	3	4	Siamese
C009	Paws	Yes	Loves to run around	3	3	Siamese
C010	Whiskers	Yes	Very active	5	5	Siamese
C011	Stripes	No	Sleeps all day	7	6	Ragdoll
C012	Fuzzy	No	Smart cat	3	5	Ragdoll

After:

Animal ID	Name	Adopted	Description	Age	Weight	Breed	Shelter Location	Shelter Name
C000	Smokey	0	A very cute cat. Loves to be pet.	3	8	British Shorthair	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C001	Pinky	0	Not a playful cat.	3	20	Siamese	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C002	Bonbon	1	Loves to cuddle and eat.	3	15	Bengal	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
C004	Daisy	1	Loves to eat. Always hungry	5	15	Ragdoll	234 Willow Lane, Portland, USA	The Animal Haven
C005	Kitkat	1	Loves kitkats	0	10	Ragdoll	234 Willow Lane, Portland, USA	The Animal Haven
C006	Catcat	0	is a ver nice cat	10	18	Bengal	234 Willow Lane, Portland, USA	The Animal Haven
C007	Kitty	0	Kitty is really cute	4	10	Calico	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D000	Spots	1	A good boy, lots of energy.	1	15	Dalmatian	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D001	Jamie	0	Playful dog and loves to cuddle	5	20	Labrador	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D002	Wolfie	0	Loves to cuddle.	3	15	Golden Retriever	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
D003	Luna	1	Luna loves when you pet her.	1	8	Chinese Crested Dog	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D004	Bear	1	Loves to eat.	1	3	Husky	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B000	Coco	1	Peaceful bird.	3	8	Finch	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B001	Bluey	1	Speaks a lot. So cute.	5	20	Macaw	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B002	Jay	0	Loves to speak	3	15	Parrot	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
B003	Raven	0	Angry bird	1	8	Grey parrot	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B004	Kiwi	0	Loves to eat. Always hungry	1	3	Dove	234 Willow Lane, Portland, USA	The Animal Haven
C008	Mr. Cat	0	Fun cat	3	4	Siamese	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C009	Paws	1	Loves to run around	3	3	Siamese	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C010	Whiskers	1	Very active	5	5	Siamese	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C011	Stripes	0	Sleeps all day	7	6	Ragdoll	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C012	Fuzzy	0	Smart cat	3	5	Ragdoll	10776 King George Boilevard, Surrey, British Columbia	Paws and Claws Animal Shelter

List of Registered Animals in this shelter

AnimalID	Name	Adopted	Description	Age	Weight	Breed
C007	Kitty	No	Kitty is really cute.	4	10	Calico
D003	Luna	Yes	Luna loves when you pet her.	1	8	Chinese Crested Dog
D004	Bear	Yes	Loves to eat.	1	3	Husky
B003	Raven	No	Angry bird	1	8	Grey parrot
C008	Mr. Cat	No	Fun cat	3	4	Siamese
C009	Paws	Yes	Loves to run around	3	3	Siamese
C010	Whiskers	Yes	Very active	5	5	Siamese
C011	Stripes	No	Sleeps all day	7	6	Ragdoll
C012	Fuzzy	No	Smart cat	3	5	Ragdoll

Update:

- Email is unique, national ID is unique, and postal code is a foreign key
- file: routeHandler.php, function: handleUpdateAdopterRequest(), line: 585

BEFORE:

AdoptersInfo:

AdopterID	NationalID	AdopterName	Phone Number	Email	Postal Code	House Number
A000	7290920930	Jane Smith	7781234567	jane98smith@gmail.com	123456	12
A001	7599921838	Joe Johnson	6449826543	joe.johnson@gmail.com		17
A002	7899234932	Natalia Davis	5223426189	nattyisb32.davis@gmail.com	34FS67	912
A003	7899980938	Jason Ng	5671231212	jas65.ng@gmail.com	45A67S8	789
A005	7145980938	Clark Brown	2355678912	clark.brown456@outlook.com	V7TDZ4	23
A006	7166980938	Sara Brown	2359929988	sara.brown6@outlook.com	444555	13
A007	7166000038	Andy Smith	2352228888	andy.smith@outlook.com	444555	13
A008	7166111038	Ally Smith	1010101010	ally@outlook.com	444555	13
A009	7123450038	Jones Blake	2020202020	jones@outlook.com	V7TDZ4	23

GUI (DURING): (in adopters.php page)

Update Adopter info below:

ID entered must match with an already existing ID. ID c

Id:

National Id:

Name:

Phone Number:

Email:

House number:

Postal Code:

AFTER:

AdopterID	NationalID	AdopterName	Phone Number	Email	Postal Code	House Number
A000	7290920930	Jane Smith	7781234567	jane98smith@gmail.com	123456	12
A001	7599921838	Joe Johnson	6449826543	joe.johnson@gmail.com		17
A002	7899234932	Natalia Davis	5223426189	nattyisb32.davis@gmail.com	34FS67	912
A003	7899980938	Jason Ng	5671231212	jas65.ng@gmail.com	45A67S8	789
A005	7145980938	Clark Brown	2355678912	clark.brown456@outlook.com	V7TDZ4	23
A006	7166980938	Sara Brown	2359929988	sara.brown6@outlook.com	444555	13
A007	7166000038	Andy Smith	2352228888	andy.smith@outlook.com	444555	13
A008	7166111038	Ally Smith	1010101010	ally@outlook.com	444555	13
A009	7123450038	Jones Blake	2020202020	newuniqueemail@ubc.com	V7TDZ4	23

Selection:

- Selection on Cats table
- file:routeHandler.php, function handleSelectAnimalRequest() -> line 439 (the string for the query is built based on operator conditions, this starts at line 401-411 or 415-417)
- Note: in the queries we are joining cats with registered animal first, but this is only for the user to see the information on the shelter info AFTER the selection (as it makes more sense for user stories - the user would want to see where the cat lives after searching for their perfect cat). Because of this, registeredAnimal was NOT considered in the attributes for selection. The selection is still purely on cats table.

Before:

Cats:

Animal ID	HasFur	Social
C000	1	1
C001	1	0
C002	1	1
C003	1	1
C004	1	0
C005	0	1
C006	1	0
C007	1	0
C008	1	0
C009	0	1
C010	1	1
C011	1	1
C012	1	1

RegisteredAnimal:

Animal ID	Name	Adopted Description	Age	Weight	Breed	Shelter Location	Shelter Name
C000	Smokey	0 A very cute cat. Loves to be pet.	3	8	British Shorthair	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C001	Pinky	0 Not a playful cat.	3	20	Siamese	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C002	Bonbon	1 Loves to cuddle and eat.	3	15	Bengal	322 Dundas St W, Toronto, Ontario	Loving Care Animal Shelter
C003	Bambi	0 Bambi loves to be pet.	1	13	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C004	Daisy	1 Loves to eat. Always hungry	5	15	Ragdoll	234 Willow Lane, Portland, USA	The Animal Haven
C005	Kitkat	1 Loves Kitkats	0	10	Ragdoll	234 Willow Lane, Portland, USA	The Animal Haven
C006	Catcat	0 is a very nice cat	10	18	Bengal	234 Willow Lane, Portland, USA	The Animal Haven
C007	Kitty	0 Kitty is really cute	4	10	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D000	Spots	1 A good boy, lots of energy.	1	15	Dalmatian	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D001	Jamie	0 Playful dog and loves to cuddle	5	20	Labrador	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D002	Wolfie	0 Loves to cuddle.	3	15	Golden Retriever	322 Dundas St W, Toronto, Ontario	Loving Care Animal Shelter
D003	Luna	1 Luna loves when you pet her.	1	8	Chinese Crested Dog	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D004	Bear	1 Loves to eat.	1	3	Husky	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B000	Coco	1 Peaceful bird.	3	8	Finch	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B001	Bluey	1 Speaks a lot. So cute.	5	20	Macaw	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B002	Jay	0 Loves to speak	3	15	Parrot	322 Dundas St W, Toronto, Ontario	Loving Care Animal Shelter
B003	Raven	0 Angry bird	1	8	Grey parrot	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B004	Kiwi	0 Loves to eat. Always hungry	1	3	Dove	234 Willow Lane, Portland, USA	The Animal Haven
C008	Mr. Cat	0 Fun cat	3	4	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C009	Paws	1 Loves to run around	3	3	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C010	Whiskers	1 Very active	5	5	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C011	Stripes	0 Sleeps all day	7	6	Ragdoll	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C012	Fuzzy	0 Smart cat	3	5	Ragdoll	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter

During(GUI): in "cats.php" page. (example selection of hasFur = 1 AND social = 1)

Cat ID:

OR ☐ hasFur:

AND ☐ Social:

After: (table that is displayed to GUI):

Animal ID	Has Fur	Social	Shelter Location	Shelter Name
C000	1	1	270 Gerrard St E, Toronto, Ontario	Lovely Pet Home
C002	1	1	322 Dundas St W, Toronto, Ontario	Loving Care Animal Shelter
C003	1	1	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C010	1	1	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C011	1	1	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C012	1	1	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter

Projection:

- Located in home page of website
- We will choose to project Vet table for example
- File: index.php, line: 75, 84

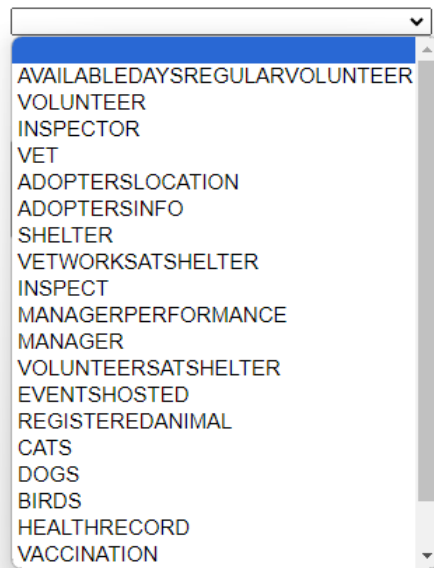
BEFORE:

Vet:

VetID	Vet Name	Specialty	Years of Experience	Vet Location
V001	Andy White	Cardiology	6	Surrey
V002	Jack Allen	Cardiology	4	Surrey
V003	Jackie Brown	Neurology	3	Surrey
V004	Mary Moore	Oncology	2	San Francisco
V005	Sandy Blum	Dentistry	8	Dentistry

GUI (during):

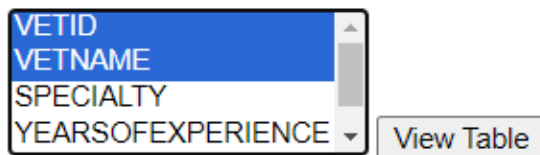
Select a table below to view it's contents:



old control to s

After choosing Vet table for above, we see this is now filled with Vet table attributes below:

Select attributes to view (hold control to select multiple)



AFTER:

- clicking "view table" displays the table below:

Table for: VET

VETID	VETNAME
V001	Andy White
V002	Jack Allen
V003	Jackie Brown
V004	Mary Moore
V005	Sandy Blum

JOIN:

- Joins Volunteer, AvailableDaysRegularVolunteer, and VolunteersAtShelter table
- AvailableDays in Volunteer is a FK to AvailableDaysRegularVolunteer

- User inputs 1 or 0 for if they are looking for regular/not regular volunteers IN THEIR SHELTER
- File: routeHandler.php, function: handleFindVolunteerRequest(), line: 462

BEFORE:

Our GUI displays all volunteers THEIR shelter to the user. (I am logged in as M005 - where shelterLocation = '10776 King George Boulevard, Surrey, British Columbia' and shelterName = 'Paws and Claws Animal Shelter';)

List of volunteers

Available volunteers have filled out their schedule and are consistently available at least once a week.

Volunteer ID	Name	Days Available	Regular Volunteer	Phone Number	Start date
V448	Jamie Finley	FTFFTF	Yes	2342342344	04-OCT-11
V447	Jake Miles	FFFFFF	No	1234567888	14-AUG-13
V446	Clare Cooper	TTTTF	Yes	3452435267	05-SEP-19
V445	Blake Tran	TTTTF	Yes	2233445566	23-FEB-10
V444	Robert Robertson	FFFFFF	No	6046046044	18-DEC-10
V126	Chase Jones	TTFFFF	Yes	1231231234	01-JAN-07

GUI (DURING):

Find all regular or not regular volunteers in this shelter (enter 1 for regular and 0 otherwise)

Regular:

AFTER:

(table below is displayed to user)

Volunteer ID
V444
V447

Aggregation with GROUP BY:

file:routeHandler.php,function handleCalculateAvgRequest() -> line161

Before:

ALL registered animals in our DB:

Animal ID	Name	Adopted	Description	Age	Weight	Breed	Shelter Location	Shelter Name
C000	Smokey	0	A very cute cat. Loves to be pet.	3	8	British Shorthair	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C001	Pinky	0	Not a playful cat.	3	20	Siamese	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
C002	Bonbon	1	Loves to cuddle and eat.	3	15	Bengal	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
C003	Bambi	0	Bambi loves to be pet.	1	13	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C004	Daisy	1	Loves to eat. Always hungry	5	15	Ragdoll	234 Willow Lane, Portland, USA	Sup The Animal Haven
C005	Kitkat	1	Loves kitkats	0	10	Ragdoll	234 Willow Lane, Portland, USA	Sup The Animal Haven
C006	Catcat	0	is a very nice cat	10	18	Bengal	234 Willow Lane, Portland, USA	Sup The Animal Haven
C007	Kitty	0	Kitty is really cute.	4	10	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D000	Spots	1	A good boy, lots of energy.	1	15	Dalmatian	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D001	Jamie	0	Playful dog and loves to cuddle	5	20	Labrador	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
D002	Wolfie	0	Loves to cuddle.	3	15	Golden Retriever	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
D003	Luna	1	Luna loves when you pet her.	1	8	Chinese Crested Dog	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D004	Bear	1	Loves to eat.	1	3	Husky	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B000	Coco	1	Peaceful bird.	3	8	Finch	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B001	Bluey	1	Speaks a lot. So cute.	5	20	Macaw	270 Gerrard St E, Toronto, Ontario	To Lovely Pet Home
B002	Jay	0	Loves to speak	3	15	Parrot	322 Dundas St W, Toronto, Ontario	Tor Loving Care Animal Shelter
B003	Raven	0	Angry bird	1	8	Grey parrot	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B004	Kiwi	0	Loves to eat. Always hungry	1	3	Dove	234 Willow Lane, Portland, USA	Sup The Animal Haven
C008	Mr. Cat	0	Fun cat	3	4	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C009	Paws	1	Loves to run around	3	3	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C010	Whiskers	1	Very active	5	5	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C011	Stripes	0	Sleeps all day	7	6	Ragdoll	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C012	Fuzzy	0	Smart cat	3	5	Ragdoll	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter

Logged in as M005, these are animals for **THIS SHELTER ONLY**:

Animal ID	Name	Adopted	Description	Age	Weight	Breed	Shelter Location	Shelter Name
C003	Bambi	0	Bambi loves to be pet.	1	13	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C007	Kitty	0	Kitty is really cute.	4	10	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D003	Luna	1	Luna loves when you pet her.	1	8	Chinese Crested Dog	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
D004	Bear	1	Loves to eat.	1	3	Husky	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
B003	Raven	0	Angry bird	1	8	Grey parrot	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter

During:

(User just click this button to get the result. Also, it will only show results IN THIS SHELTER)

Average age of each breed:

Calculate Average

After: (Below shows the list of animals IN THIS SHELTER)

Average age of each breed:

Calculate Average

Breed	Average Age
Husky	1
Grey parrot	1
Chinese Crested Dog	1
Calico	2.5
Siamese	3.6666666666666666666666666666666666666667
Ragdoll	5

Aggregation with HAVING:

- File: vets.php, line: 75

Before:

Before filling in “Minimum Years of Experience” and clicking on “Find Vets”

VetID	Vet Name	Specialty	Years of Experience	Vet Location
V001	Andy White	Cardiology	6	Surrey
V002	Jack Allen	Cardiology	4	Surrey
V003	Jackie Brown	Neurology	3	Surrey
V004	Mary Moore	Oncology	2	San Francisco
V005	Sandy Blum	Dentistry	8	Dentistry

From website GUI (Logged in as M005, this is data for **THIS SHELTER ONLY**:
(shelterLocation = '10776 King George Boulevard, Surrey, British Columbia' and
shelterName = 'Paws and Claws Animal Shelter')

Vet Information

Vet ID	Name	Specialty	Years of Experience	Vet Location
V001	Andy White	Cardiology	6	Surrey
V002	Jack Allen	Cardiology	4	Surrey
V003	Jackie Brown	Neurology	3	Surrey

Specialties

Specialty

During:

The user specifies the minimum years of experience and clicks on “Find Vets”

Specify experience level of Vet:

Enter a number below to see which specialties have vets in your shelter that match the minimum years of experience you specified.

Minimum Years of Experience:

Vet Information

Vet ID	Name	Specialty	Years of Experience	Vet Location
V001	Andy White	Cardiology	6	Surrey
V002	Jack Allen	Cardiology	4	Surrey
V003	Jackie Brown	Neurology	3	Surrey

Specialties

Specialty

After:

Since the only vet specialty above 4 years of experience was Cardiology, the user gets Cardiology under the Specialties table. Note that this displays the vets in this shelter only.

Vet Information

Vet ID	Name	Specialty	Years of Experience	Vet Location
V001	Andy White	Cardiology	6	Surrey
V002	Jack Allen	Cardiology	4	Surrey
V003	Jackie Brown	Neurology	3	Surrey

Specialties

Specialty
Cardiology

Nested Aggregation with GROUP BY:

File: cats.php -> line 104

Before:

This shows ALL cats in our DB

Animal ID	HasFur	Social
C000	1	1
C001	1	0
C002	1	1
C003	1	1
C004	1	0
C005	0	1
C006	1	0
C007	1	0
C008	1	0
C009	0	1
C010	1	1
C011	1	1
C012	1	1

Logged in as M005, this is data for **THIS SHELTER ONLY**:
(shelterLocation = '10776 King George Boulevard, Surrey, British Columbia' and
shelterName = 'Paws and Claws Animal Shelter';)

Animal ID	HasFur	Social Name	Adopted Description	Age	Weight	Breed	Shelter Location	Shelter Name
C003	1	1 Bambi	0 Bambi loves to be pet.	1	13	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C007	1	0 Kitty	0 Kitty is really cute	4	10	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C008	1	0 Mr. Cat	0 Fun cat	3	4	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C009	0	1 Paws	1 Loves to run around	3	3	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C010	1	1 Whiskers	1 Very active	5	5	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C011	1	1 Stripes	0 Sleeps all day	7	6	Ragdoll	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C012	1	1 Fuzzy	0 Smart cat	3	5	Ragdoll	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter

During/After:
(We define overweight cats as those with weight > average weight)

List of Overweight Cats in this Shelter

AnimalID	Weight	Breed
C003	13	Calico
C007	10	Calico

Division:

file:routeHandler.php -> function handlecatUnvaccinatedRequest() -> line 140

Before:
This shows ALL cats in our DB

SELECT * FROM Cat;

Animal ID	HasFur	Social
C000	1	1
C001	1	0
C002	1	1
C003	1	1
C004	1	0
C005	0	1
C006	1	0
C007	1	0
C008	1	0
C009	0	1
C010	1	1
C011	1	1
C012	1	1

Logged in as M005, this is data for **THIS SHELTER ONLY**:
(shelterLocation = '10776 King George Boulevard, Surrey, British Columbia' and
shelterName = 'Paws and Claws Animal Shelter';)

Animal ID	HasFur	Social	Name	Adopted	Description	Age	Weight	Breed	Shelter Location	Shelter Name
C003	1	1	Bambi	0	Bambi loves to be pet.	1	13	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C007	1	0	Kitty	0	Kitty is really cute.	4	10	Calico	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C008	1	0	Mr. Cat	0	Fun cat	3	4	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C009	0	1	Paws	1	Loves to run around	3	3	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C010	1	1	Whiskers	1	Very active	5	5	Siamese	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C011	1	1	Stripes	0	Sleeps all day	7	6	Ragdoll	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter
C012	1	1	Fuzzy	0	Smart cat	3	5	Ragdoll	10776 King George Boulevard, Surrey, British Columbia	Paws and Claws Animal Shelter

Vaccination shows data about all vaccines

Vaccine Name	Expiry Date	RecordID
Rabies Vaccine	22-FEB-45	R123
Bordetella Vaccine	10-FEB-24	R111
Canine Parvovirus Vaccine	06-JUN-30	R222
Feline Distemper Vaccine	09-FEB-34	R333
Avian Influenza Vaccine	02-SEP-29	R444

getVaccination shows data about animals condition for getting vaccines.

Animal ID	Vaccine Name	Date of Vaccination
C000	Rabies Vaccine	20-JAN-22
C000	Bordetella Vaccine	21-MAR-22
C000	Canine Parvovirus Vaccine	04-FEB-21
C000	Feline Distemper Vaccine	09-SEP-22
C000	Avian Influenza Vaccine	09-FEB-23
C008	Rabies Vaccine	22-JAN-22
C008	Bordetella Vaccine	21-APR-22
C008	Canine Parvovirus Vaccine	04-JAN-20
C008	Feline Distemper Vaccine	09-JUL-21
C008	Avian Influenza Vaccine	09-FEB-20
C010	Rabies Vaccine	26-JAN-22
C010	Bordetella Vaccine	26-MAR-22
C010	Canine Parvovirus Vaccine	04-DEC-21
C010	Feline Distemper Vaccine	19-NOV-22
C010	Avian Influenza Vaccine	19-OCT-23
C012	Bordetella Vaccine	26-MAY-22
C012	Canine Parvovirus Vaccine	13-OCT-21
C012	Feline Distemper Vaccine	09-DEC-22
C012	Avian Influenza Vaccine	20-JAN-23

C002	Avian Influenza Vacc	17-SEP-23
	ine	
C003	Rabies Vaccine	20-JAN-22
C003	Bordetella Vaccine	21-MAR-22
C003	Canine Parvovirus Va	04-FEB-21
	ccine	
C003	Feline Distemper Vac	09-SEP-22
	cine	
C003	Avian Influenza Vacc	09-FEB-23
	ine	
D001	Bordetella Vaccine	04-FEB-21
D003	Rabies Vaccine	20-JAN-22
D003	Bordetella Vaccine	21-MAR-22
D003	Canine Parvovirus Va	04-FEB-21
	ccine	
D003	Feline Distemper Vac	09-SEP-22
	cine	
D003	Avian Influenza Vacc	09-FEB-23
	ine	
D002	Bordetella Vaccine	09-SEP-22
D002	Feline Distemper Vac	09-FEB-23
	cine	
B001	Rabies Vaccine	20-JAN-22
B001	Bordetella Vaccine	21-MAR-22
B001	Canine Parvovirus Va	04-FEB-21
	ccine	
B001	Feline Distemper Vac	09-SEP-22
	cine	
B001	Avian Influenza Vacc	09-FEB-23
	ine	
B002	Rabies Vaccine	20-JAN-22
B003	Bordetella Vaccine	21-MAR-22
B002	Canine Parvovirus Va	04-FEB-21
	ccine	
B004	Feline Distemper Vac	09-SEP-22
	cine	

During: (User just click this button to view results)

List of Cats get all vaccines

View Result

After:

List of Cats get all vaccines in this shelter

View Result

AnimalID	Name
C003	Bambi
C008	Mr. Cat
C010	Whiskers
