Project Report

"HUMANE" Non Profit Organization.

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Use Case Project

PROJECT PROPOSAL

HUMANE, is a non profit organization mainly focused on providing essentials to the needful. Food, Clothes, Medicines, Electronics and Furniture are the items that the organization would be dealing with. We plan on collecting these items from individual donors or merchants and delivering it to the people in need by organizing an event where donations would be accepted and distributed to shelter homes on a daily requirement basis.

The donations are sub-categorized into 4 departments: Food, Clothes, Electronics/ Furniture and Medicines. Each department will be addressed by a unique department id (unique key). These products can either come from individuals or from merchandised donors.

The leftover food will be collected from or delivered by restaurants to our organized food banks to narrow down the wastage of food that happens in restaurants at the end of the day. We record basic information of restaurants such as Restaurant Name, Restaurant ID, Address, Zip-Code, Leftover food quantity, Pick up/drop off option, Date and Time.

Similarly, Clothes bank, Electronics/Furniture and Medicines will be collected either from individuals or merchants willing to donate. Basic information would be collected of the donors such as for individual donors : Name, SSN, Address, Contact Details, Items, Quantity, Date, Time and Courier Details (if couriering from a different city or state). For merchandised contribution, information like : Company Name, Company ID, Items,

Quantity, Address, Contact Details, Date, Time, Pick up/Drop off option and Courier Details will be collected.

Volunteers are always an integral part of any non-profit organization. Their participation is what keeps the organization running. Hence, this organization is also always looking out for volunteers to help it in providing to the needy. The volunteers will be subdivided into Transportation and Packaging activities. We record personal data of the volunteers such as: Department ID(department they wish to work under), Name, SSN, Contact Details, Zip-code, Available hours, Date and Time.

Transportation for pick-up/ drop-off of the donations will be held on a daily basis by the volunteers. They will transport the donations received on that particular day depending upon the requests from shelter homes.

Transportation is sub-categorized into pick-up option and drop-off option. For pick-up option : Time, Date, Quantity, Address, Zip-code, Restaurant ID, Restaurant Name/Company ID, Company Name and Contact Details will be recorded. For drop-off options : Time, Date, Quantity, Address, Zip-code, Shelter_Home ID, Shelter_Home Name and Contact Details will be collected.

Drop-off will happen on a daily basis (giving food priority) to the shelter homes. The following data will be collected from the shelter homes for delivery : Shelter_Home Name, Shelter_Home ID, Zip-code, Address, Contact Details, No. Of People and Quantity.

Other requirements :

● A Food Bank can collect food from zero to infinity restaurants, whereas restaurants can donate their leftover food to one and only one food bank(Humane).

● Clothes Bank can collect clothes from zero to infinite individuals or merchants, whereas these contributors can contribute to one and only one cloth bank.

- Electronics/Furniture Bank can collect items from zero to infinite individuals or merchants, whereas these contributors can contribute to one and only one electronics/furniture bank.

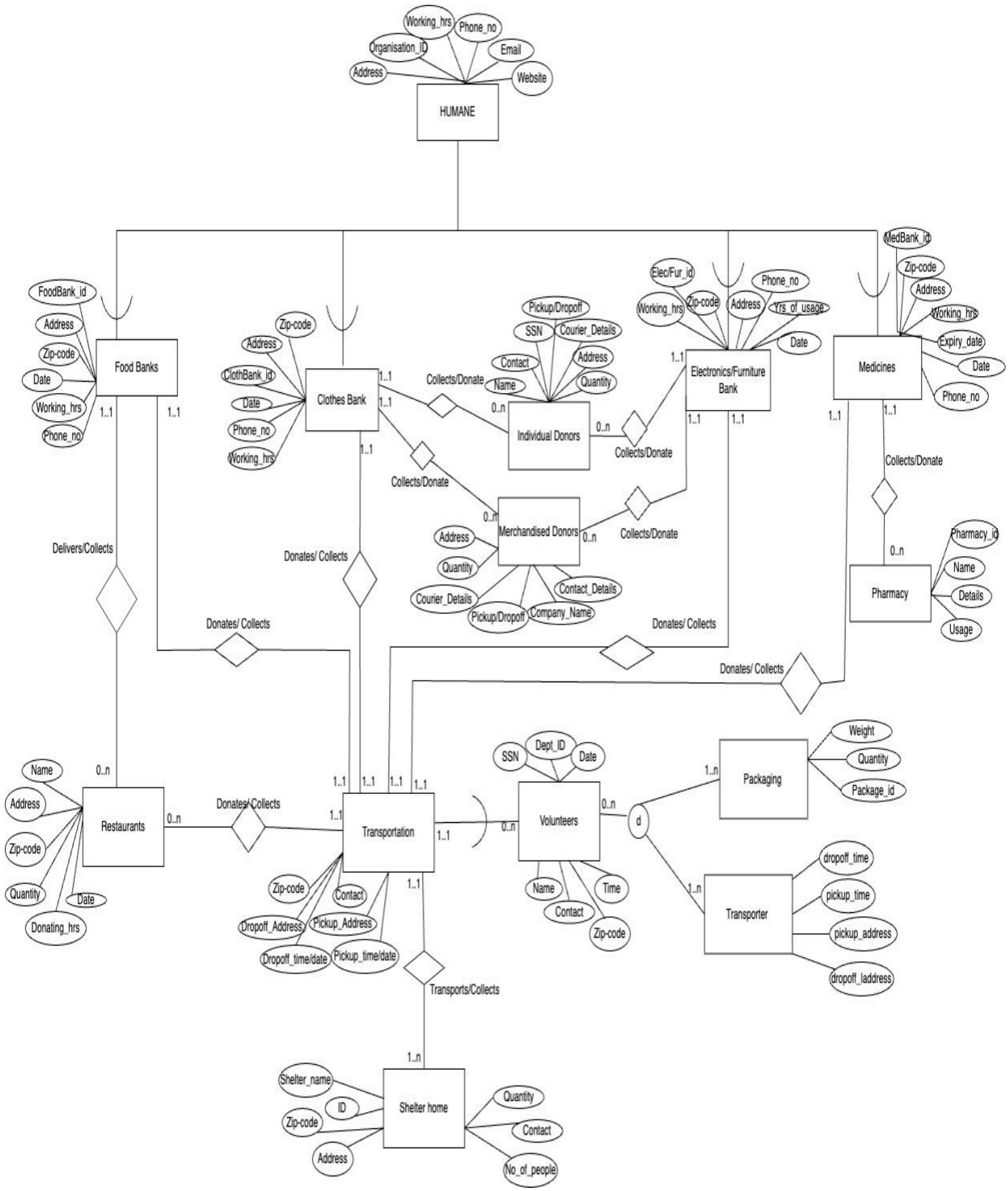
- Medicines Bank can collect medicines from zero to infinite individuals or merchants, whereas these contributors can contribute to one and only one Medicines bank.

- Transport will collect from either one food/ cloth/ electronics/ furniture/ medicines banks and deliver to zero to infinite shelter homes.

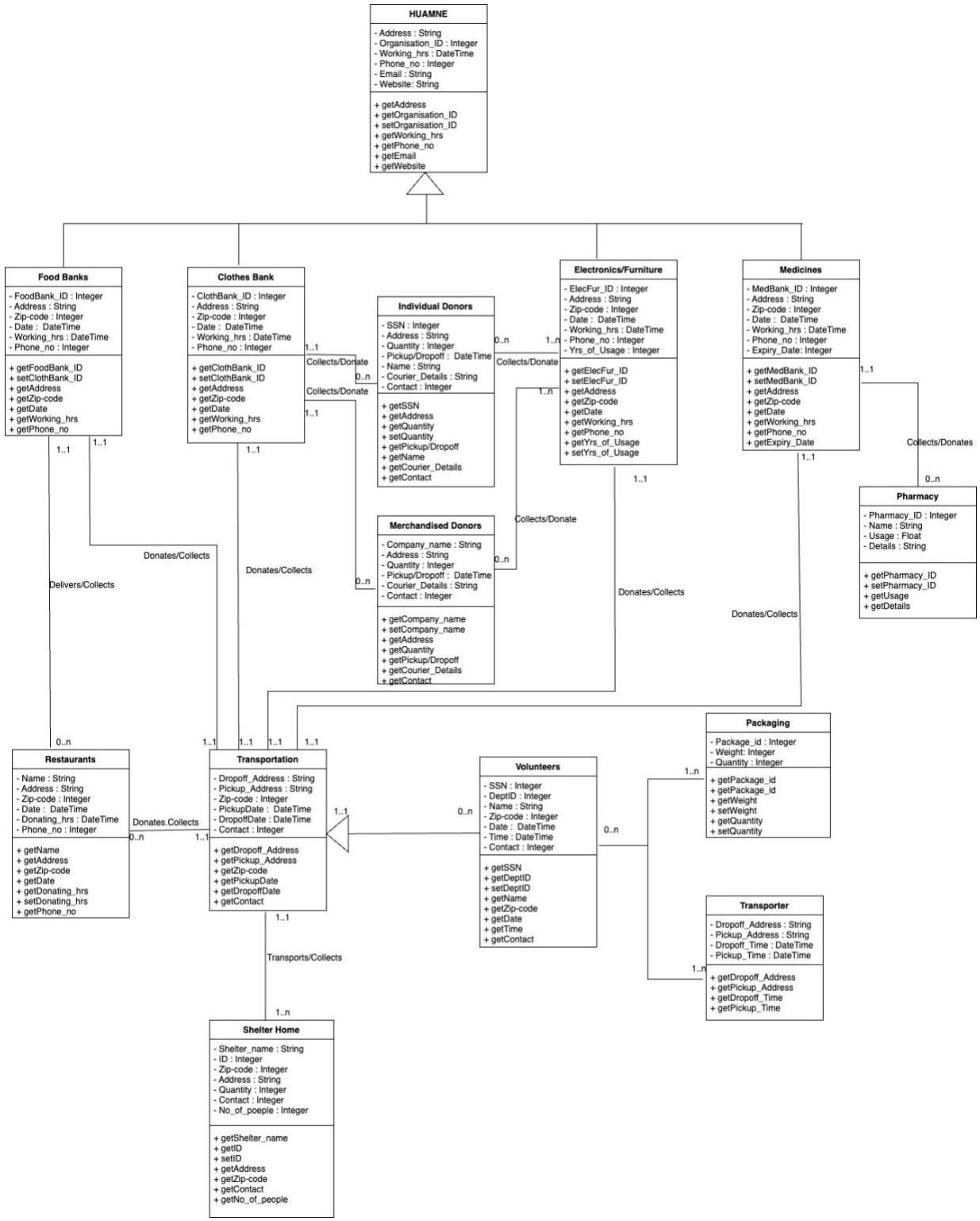
- Volunteers can work in one or infinite departments, whereas departments can have zero to infinity volunteers.

CONCEPTUAL MODEL

EER MODEL



UML MODEL


HUAMNE
- Address : String
- Organisation_ID : Integer
- Working_hrs : DateTime
- Phone_no : Integer
- Email : String
- Website: String
+ getAddress
+ getOrganisation_ID
+ setOrganisation_ID
+ getWorking_hrs
+ getPhone_no
+ getEmail
+ getWebsite
Food Banks
- FoodBank_ID : Integer
- Address : String
- Zip-code : Integer
- Date : DateTime
- Working_hrs : DateTime
- Phone_no : Integer
+ getFoodBank_ID
+ setClothBank_ID
+ getAddress
+ getZip-code
+ getDate
+ getWorking_hrs
+ getPhone_no
Clothes Bank
- ClothBank_ID : Integer
- Address : String
- Zip-code : Integer
- Date : DateTime
- Working_hrs : DateTime
- Phone_no : Integer
+ getClothBank_ID
+ setClothBank_ID
+ getAddress
+ getZip-code
+ getDate
+ getWorking_hrs
+ getPhone_no
Individual Donors
- SSN : Integer
- Address : String
- Quantity : Integer
- Pickup/Dropoff : DateTime
- Name : String
- Courier_Details : String
- Contact : Integer
+ getSSN
+ getAddress
+ getQuantity
+ setQuantity
+ getPickup/Dropoff
+ getName
+ getCourier_Details
+ getContact
Electronics/Furniture
- ElecFur_ID : Integer
- Address : String
- Zip-code : Integer
- Date : DateTime
- Working_hrs : DateTime
- Phone_no : Integer
- Yrs_of_Usage : Integer
+ getElecFur_ID
+ setElecFur_ID
+ getAddress
+ getZip-code
+ getDate
+ getWorking_hrs
+ getPhone_no
+ getYrs_of_Usage
+ setYrs_of_Usage
Medicines
- MedBank_ID : Integer
- Address : String
- Zip-code : Integer
- Date : DateTime
- Working_hrs : DateTime
- Phone_no : Integer
- Expiry_Date: Integer
+ getMedBank_ID
+ setMedBank_ID
+ getAddress
+ getZip-code
+ getDate
+ getWorking_hrs
+ getPhone_no
+ getExpiry_Date
Pharmacy
- Pharmacy_ID : Integer
- Name : String
- Usage : Float
- Details : String
+ getPharmacy_ID
+ setPharmacy_ID
+ getUsage
+ getDetails
Merchandised Donors
- Company_name : String
- Address : String
- Quantity : Integer
- Pickup/Dropoff : DateTime
- Courier_Details : String
- Contact : Integer
+ getCompany_name
+ setCompany_name
+ getAddress
+ getQuantity
+ getPickup/Dropoff
+ getCourier_Details
+ getContact
Restaurants
- Name : String
- Address : String
- Zip-code : Integer
- Date : DateTime
- Donating_hrs : DateTime
- Phone_no : Integer
+ getName
+ getAddress
+ getZip-code
+ getDate
+ getDonating_hrs
+ setDonating_hrs
+ getPhone_no
Transportation
- Dropoff_Address : String
- Pickup_Address : String
- Zip-code : Integer
- PickupDate : DateTime
- DropoffDate : DateTime
- Contact : Integer
+ getDropoff_Address
+ getPickup_Address
+ getZip-code
+ getPickupDate
+ getDropoffDate
+ getContact
Volunteers
- SSN : Integer
- DeptID : Integer
- Name : String
- Zip-code : Integer
- Date : DateTime
- Time : DateTime
- Contact : Integer
+ getSSN
+ getDeptID
+ setDeptID
+ getName
+ getZip-code
+ getDate
+ getTime
+ getContact
Packaging
- Package_id : Integer
- Weight: Integer
- Quantity : Integer
+ getPackage_id
+ getPackage_id
+ getWeight
+ setWeight
+ getQuantity
+ setQuantity
Transporter
- Dropoff_Address : String
- Pickup_Address : String
- Dropoff_Time : DateTime
- Pickup_Time : DateTime
+ getDropoff_Address
+ getPickup_Address
+ getDropoff_Time
+ getPickup_Time
Shelter Home
- Shelter_name : String
- ID : Integer
- Zip-code : Integer
- Address : String
- Quantity : Integer
- Contact : Integer
- No_of_poeple : Integer
+ getShelter_name
+ getID
+ setID
+ getAddress
+ getZip-code
+ getContact
+ getNo_of_people
Collects/Donate
Collects/Donate
Collects/Donate
Collects/Donate
Collects/Donates
Donates/Collects
Donates/Collects
Donates/Collects
Donates/Collects
Delivers/Collects
Donates.Collects
Transports/Collects

LOGICAL MODEL(RELATIONAL MODEL)

HUMANE(**Organisation_ID,** Address, Working_hrs, Phone_no, Email, Website)

Food_Banks(**FoodBank_ID**, Address, Zip-code, Date, Working_hrs, Phone_no, *Restaurant_ID,Volunteer_SSN*, *H_Organisation_ID*)

- FoodBank_ID - Primary key
- *H_Organisation_ID* - Foreign key refers to Organisation_ID in relation HUMANE and NULL not allowed
- *Restaurant_ID* - Foriegn keys refers to name in relation Restaurant and NULL not allowed
- *Volunteer_SSN* - Foriegn keys refers to SSN in relation Volunteers and NULL not allowed

Clothes_Banks(**ClothBank_ID**, Address, Zip-code, Date, Working_hrs, Phone_no, *Individual_Donors_SSN,Merchandised_Donors_ID,Volunteer_SSN,H_Organisation_ID*)

- ClothBank_ID - Primary Key
- *Individual_Donors_SSN* - Foriegn keys refers to SSN in relation Individual Donors and NULL not allowed
- *Merchandised_Donors_ID* - Foriegn keys refers to Company_ID in relation Merchanised Donors and NULL not allowed
- *Volunteer_SSN* - Foriegn keys refers to SSN in relation Volunteers and NULL not allowed
- *H_Organisation_ID* - Foreign key refers to Organisation_ID in relation HUMANE and NULL not allowed

Electronics/Furniture(**ElecFur_ID**, Address, Zip-code, Date, Working_hrs, Phone_no,Yrs_of_Usage,*Individual_Donors_SSN, Merchandised_Donors_ID, Volunteer_SSN*)

- ElecFur_ID - Primary Key
- *Individual_Donors_SSN* - Foriegn keys refers to SSN in relation Individual Donors and NULL not allowed
- *Merchandised_Donors_ID* - Foriegn keys refers to Company_ID in relation Merchanised Donors and NULL not allowed
- *Volunteer_SSN* - Foriegn keys refers to SSN in relation Volunteers and NULL not allowed
- *H_Organisation_ID* - Foreign key refers to Organisation_ID in relation HUMANE and NULL not allowed

Individual_Donors(**SSN**, Address, Quantity, Pickup/Dropoff, Name, Courier_Details, Contact,*ClothBank_ID,ElecFur_ID*)

- SSN - Primary Key
- *ClothBank_ID* - Foriegn keys refers to ClothBank_ID in relation Clothes Bank and NULL not allowed
- *ElecFur_ID* - Foriegn keys refers to ElecFur_ID in relation Electronics/Furniture Bank and NULL not allowed

Merchandised_Donors(**Company_ID**,Company_name, Address, Quantity, Pickup/Dropoff, Courier_Details, Contact, *ClothBank_ID,ElecFur_ID*)

- Company_ID - Primary Key
- *ClothBank_ID* - Foriegn keys refers to ClothBank_ID in relation Clothes Bank and NULL not allowed

- *ElecFur_ID* - Foriegn keys refers to ElecFur_ID in relation Electronics/Furniture Bank and NULL not allowed

Medicines(**MedBank_ID**, Address, Zip-code, Date, Working_hrs, Phone_no, Expiry_date, *Pharm_ID*, *Volunteer_SSN, H_Organisation_ID*)

- MedBank_ID - Primary Key
- *Pharm_ID* - Foreign key refers to Pharmacy_ID in relation Pharmacy and NULL not allowed
- *Volunteer_SSN* - Foriegn keys refers to SSN in relation Volunteers and NULL not allowed
- *H_Organisation_ID* - Foreign key refers to Organisation_ID in relation HUMANE and NULL not allowed

Pharmacy(**Pharmacy_ID**,*MedBank_ID*, Name, Details, Usage)

- Pharmacy_ID - Primary Key
- MedBank_ID - Foriegn keys refers to MedBank_ID in relation Medicines and NULL not allowed

Restaurants(**Res_ID**, *FoodBank_ID,Volunteer_SSN,* Name, Address, Zip-code, Quantity, Date, Donating_hrs, Phone_no)

- Res_ID - Primary Key
- *FoodBank_ID* - Foriegn keys refers to FoodBank_ID IN relation Food_Banks and NULL not allowed
- *Volunteer_SSN* - Foriegn keys refers to SSN in relation Volunteers and NULL not allowed

Transportation(*Volunteer_SSN*, *ShelterHome_ID,Restuarant_ID, FoodBank_ID, ClothBank_ID, ElecFur_ID, MedBank_ID,* Dropoff_Address, Pickup_Address, Zip-code, PickupDate, DropoffDate, Contact)

- *Volunteer_SSN* - Foriegn keys refers to SSN in relation Volunteers and NULL not allowed
- *ShelterHome_ID* - Foriegn keys refers to Shelter_Home_ID in relation Shelter_Home and NULL not allowed
- *Restuarant_ID* - Foriegn keys refers to name in relation Restaurant
- *FoodBank_ID* - Foriegn keys refers to FoodBank_ID IN relation Food_Banks
- *ClothBank_ID* - Foriegn keys refers to ClothBank_ID in relation Clothes Bank
- *ElecFur_ID* - Foriegn keys refers to ElecFur_ID in relation Electronics/Furniture Bank
- *MedBank_ID* - Foriegn keys refers to MedBank_ID in relation Medicines

Volunteers(**SSN**, *Dept_ID* , Name, Zip-code, Date, Time, Contact)

- SSN - Primary Key
- Dept_ID - Foriegn keys refers to FoodBank_ID / ClothBank_ID / ElecFur_ID \ MedBank_ID in relation Food Banks / ClothesBank / Electronics Furniture Bank / Medicines

Packaging(*Volunteer_SSN*, *Dept_ID*,Package_ID, *Volunteer_SSN,* Weight, Quantity)
Transporters(*Volunteer_SSN*, *Dept_ID*, Dropoff_Address, Pickup_Address, Dropoff_Time, Pickup_Time)

- *Volunteer_SSN* - Foriegn keys refers to SSN in relation Volunteers and NULL not allowed
- Dept_ID - Foriegn keys refers to FoodBank_ID / ClothBank_ID / ElecFur_ID \ MedBank_ID in relation Food Banks / ClothesBank / Electronics Furniture Bank / Medicines

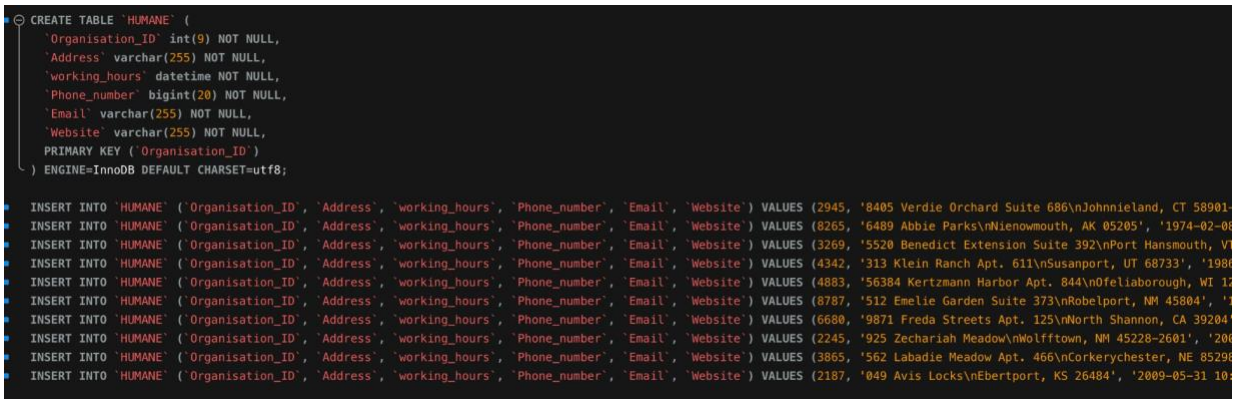
Shelter_Home(**Shelter_home_ID**, *Volunteer_SSN*, Shelter_name, Zip-code, Address, Quantity, Contact, No_of_poeple)

- Shelter_Home_ID - Primary Key
- *Volunteer_SSN* - Foriegn keys refers to SSN in relation Volunteers and NULL not allowed.

IMPLEMENTATION IN MYSQL

- For implementation in SQL we created a database and connected it to MYSQL Workbench, where we implemented correlated, nested, joins etc queries.
- We have 14 tables that are related to each other.

HUMANE Table -



```
CREATE TABLE `HUMANE` (
  `Organisation_ID` int(9) NOT NULL,
  `Address` varchar(255) NOT NULL,
  `working_hours` datetime NOT NULL,
  `Phone_number` bigint(20) NOT NULL,
  `Email` varchar(255) NOT NULL,
  `Website` varchar(255) NOT NULL,
  PRIMARY KEY (`Organisation_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (2945, '8405 Verdie Orchard Suite 686\nJohnnieland, CT 58901-
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (8265, '6489 Abbie Parks\nNienowmouth, AK 05205', '1974-02-0
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (3269, '5520 Benedict Extension Suite 392\nPort Hansmouth, V
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (4342, '313 Klein Ranch Apt. 611\nSusanport, UT 68733', '198
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (4883, '56384 Kertzmann Harbor Apt. 844\nOfeliaborough, WI 1
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (8787, '512 Emelie Garden Suite 373\nRobelport, NM 45804', '
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (6680, '9871 Freda Streets Apt. 125\nNorth Shannon, CA 39204
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (2245, '925 Zechariah Meadow\nWolfftown, NM 45228-2601', '20
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (3865, '562 Labadie Meadow Apt. 466\nCorkerychester, NE 8529
INSERT INTO `HUMANE` (`Organisation_ID`, `Address`, `working_hours`, `Phone_number`, `Email`, `Website`) VALUES (2187, '049 Avis Locks\nEbertport, KS 26484', '2009-05-31 10
```

```
use HUMANE_Project;

select * from HUMANE;
```

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Result Grid | Filter Rows: Search | Edit: | Export/Import:

Organisation_ID	Address	working_hours	Phone_number	Email	Website
2187	049 Avis Locks Ebertport, KS 26484	2009-05-31 10:38:15	8674563352	collier.roxanne@example.org	http://olsonwuckert.com/
2245	925 Zechariah Meadow Wolfftown...	2008-12-19 01:56:31	9867456324	ncronin@example.org	http://baumbach.info/
2945	8405 Verdie Orchard Suite 686 Jo...	1990-12-22 10:43:07	9852346678	gottlieb.janick@example.net	http://www.fritsch.biz/
3269	5520 Benedict Extension Suite 39...	1982-07-02 09:16:46	7245678998	antwon79@example.net	http://www.powlowskibreitenberg.com/
3865	562 Labadie Meadow Apt. 466 Co...	2003-06-06 19:01:00	7834562214	iziemann@example.com	http://ricewyman.biz/
4342	313 Klein Ranch Apt. 611 Susanp...	1986-04-24 03:06:03	8380576789	jovani71@example.com	http://www.kochwyman.com/
4883	56384 Kertzmann Harbor Apt. 84...	1993-02-24 23:46:43	985673330	ucollins@example.net	http://www.considinestehr.biz/
6680	9871 Freda Streets Apt. 125 Nort...	1972-03-17 16:35:31	7865432621	thoppe@example.com	http://daughertylarkin.net/
8265	6489 Abbie Parks Nienowmouth,...	1974-02-08 12:16:39	8165672256	ojaskolski@example.net	http://www.labadie.biz/
8787	512 Emelie Garden Suite 373 Ro...	1973-03-17 12:53:35	7894563214	schinner.mayra@example.org	http://yundt.com/
NULL	NULL	NULL	NULL	NULL	NULL

Food_Banks Table -

```
CREATE TABLE `Food_Banks` (
  `FoodBank_ID` int(9) NOT NULL,
  `Address` varchar(255) NOT NULL,
  `Zip_code` int(9) unsigned NOT NULL,
  `Working_hours` datetime NOT NULL,
  `Phone_number` bigint(20) NOT NULL,
  `Date` date NOT NULL,
  PRIMARY KEY (`FoodBank_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (3789, '47020 Pedro Hollow\nLoyton, NE 01521-3370', 01521,
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (1334, '19346 Dulce Forges Suite 161\nWest Gisselleville, D
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (4042, '630 Kihn Trail Apt. 011\nZboncakchester, MI 58739',
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (7703, '50549 Kohler Junction\nSouth Claudineville, MT 8018
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (9552, '9365 Anderson Trafficway Apt. 667\nSouth Reta, IA 0
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (6185, '076 Joseph Squares\nNew Peter, CA 88414-2584', 8841
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (1074, '9295 Kihn Square Suite 592\nDickensville, IN 91667',
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (2699, '4908 Romaguera Grove\nSouth Manuelland, KS 81868',
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (5882, '918 Halvorson Walk\nLake Aileen, ME 41070', 41070,
INSERT INTO `Food_Banks` (`FoodBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (2348, '3975 Dessie Roads\nWillmsside, ID 83122-9756', 8312
```

```
use HUMANE_Project;

select * from Food_Banks;
```

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Result Grid | Filter Rows: Search | Edit: | Export/Import:

FoodBank_ID	Address	Zip_code	Working_hours	Phone_number	Date
1074	9295 Kihn Square Suite 592 Dick...	91667	1988-01-15 07:48:59	9845673356	1988-09-02
1334	19346 Dulce Forges Suite 161 W...	84796	2009-10-03 22:39:53	9875683343	2019-12-12
2348	3975 Dessie Roads Willmsside, I...	83122	1976-03-07 23:59:09	9863345678	1996-08-31
2699	4908 Romaguera Grove South M...	81868	1986-02-21 13:11:17	6168892345	1998-09-01
3789	47020 Pedro Hollow Loyton, NE...	1521	1999-03-25 08:54:25	8974573345	2001-03-11
4042	630 Kihn Trail Apt. 011 Zboncakc...	58739	1997-09-06 03:01:48	8769945345	2015-12-31
5882	918 Halvorson Walk Lake Aileen,...	41070	1986-03-09 12:17:28	7845679932	2019-02-17
6185	076 Joseph Squares New Peter,...	88414	2022-11-04 22:29:07	6125898876	1980-10-04
7703	50549 Kohler Junction South Cla...	80186	2008-11-26 23:44:54	6784567731	2015-11-28
9552	9365 Anderson Trafficway Apt. 66...	3781	1973-08-22 14:12:46	9874563345	1987-09-28
NULL	NULL	NULL	NULL	NULL	NULL

Clothes_Bank Table -

```
CREATE TABLE `Clothes_Bank` (
  `ClothBank_ID` int(9) NOT NULL,
  `Address` varchar(255) NOT NULL,
  `Zip_code` int(9) unsigned NOT NULL,
  `Working_hours` datetime NOT NULL,
  `Phone_number` bigint(20) NOT NULL,
  `Date` date NOT NULL,
  PRIMARY KEY (`ClothBank_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (8976, '935 Ebony Meadow\nNorth Josephine, CO 49496-9004'
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (9087, '711 Beatty Mountains Apt. 557\nLuettgenchester, P
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (9765, '7450 Herzog Fields Apt. 445\nAnaistown, NC 34965-
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (7685, '9030 Lowe Turnpike Suite 270\nWest Austyn, NH 909
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (8796, '07006 Barton Harbors\nSouth Bernhard, UT 38669-45
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (1235, '3781 Tobin Path\nGerholdburgh, MD 66490-4513', 66
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (2582, '71422 Gottlieb Glens\nEastermouth, PA 39623-0599'
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (2427, '424 Gene Park Suite 684\nNew Jermeyton, TX 20680-
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (3331, '95763 Dora Alley Apt. 417\nNew Ava, SC 80417-9678
INSERT INTO `Clothes_Bank` (`ClothBank_ID`, `Address`, `Zip_code`, `Working_hours`, `Phone_number`, `Date`) VALUES (0767, '9753 Jasper Dam\nReganhaven, NE 61315', 61315, '1
```

```
1  use HUMANE_Project;
2
3  select * from Clothes_Bank;
```

0% 28:3

Result Grid | Filter Rows: Search | Edit: | Export/Import:

ClothBank_ID	Address	Zip_code	Working_hours	Phone_number	Date
767	9753 Jasper Dam Reganhaven,...	61315	1977-03-05 21:11:40	9856438809	1985-05-09
1235	3781 Tobin Path Gerholdburgh,...	66490	2014-11-02 06:26:57	8630924634	1996-11-14
2427	424 Gene Park Suite 684 New J...	20680	1996-02-13 09:23:41	93476982356	1977-01-24
2582	71422 Gottlieb Glens Eastermo...	39623	1981-05-24 19:41:47	9813509327	2017-07-15
3331	95763 Dora Alley Apt. 417 New...	80417	2019-04-29 06:25:16	9435871243	2014-06-06
7685	9030 Lowe Turnpike Suite 270...	90964	2007-03-30 10:14:57	9076589423	1990-09-22
8796	07006 Barton Harbors South Be...	38669	2006-10-25 14:38:06	8956326168	1977-02-18
8976	935 Ebony Meadow North Jose...	49496	1995-02-11 21:35:08	9047952206	2006-06-27
9087	711 Beatty Mountains Apt. 557 L...	94626	1970-10-18 21:48:39	8819875467	1999-04-30
9765	7450 Herzog Fields Apt. 445 An...	34965	2007-03-25 09:02:20	8932675321	2011-06-17

Electronics_Furniture_Bank Table -

```
CREATE TABLE `Electronics_Furniture_ID` (
  `Elec_fur_id` int(9) NOT NULL,
  `Address` varchar(255) NOT NULL,
  `Zip_code` int(9) unsigned NOT NULL,
  `Working_hrs` datetime NOT NULL,
  `Phone_number` bigint(20) NOT NULL,
  `Date` date NOT NULL,
  `Yrs_of_usage` int(11) NOT NULL,
  PRIMARY KEY (`Elec_fur_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (1256, '1500 Jeramy Inlet Suite
INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (3456, '32341 Tremblay Court\nWa
INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (3421, '475 Ocie Mill Suite 231\
INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (3021, '93266 Brown Junction\nNo
INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (8492, '325 Cassin Road Apt. 201
INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (3580, '96350 Raynor Lock Suite
INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (4751, '52139 Josiane Valleys Su
INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (2311, '817 Jean Rue Suite 518\n
INSERT INTO `Electronics_Furniture_ID` (`Elec_fur_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_number`, `Date`, `Yrs_of_usage`) VALUES (9876, '8047 Heaney Locks Apt. 7
```

```
use HUMANE_Project;

select * from Electronics_Furniture_ID;
```

40:3

Result Grid Filter Rows: Search Edit: Export/Import:

Elec_fur_id	Address	Zip_code	Working_hrs	Phone_number	Date	Yrs_of_usage
1256	1500 Jeramy Inlet Suite 991 La...	90133	2006-09-22 08:41:38	8765789987	2019-03-19	1
2311	817 Jean Rue Suite 518 New A...	36725	1986-10-01 05:18:22	7874456893	1990-03-30	6
3021	93266 Brown Junction North R...	5767	1997-04-24 11:10:35	7893457789	2018-08-27	7
3421	475 Ocie Mill Suite 231 Port To...	66864	2020-07-31 14:38:56	8975642234	2015-02-02	3
3456	32341 Tremblay Court Wainosi...	16624	1973-06-07 13:59:31	6784567734	1972-10-23	7
3580	96350 Raynor Lock Suite 478...	62146	1992-12-22 04:33:36	9875672254	1994-01-01	6
4751	52139 Josiane Valleys Suite 66...	45075	1981-11-22 15:49:11	8761249976	1988-04-01	9
8492	325 Cassin Road Apt. 201 Wes...	56023	1978-08-26 17:41:45	6987564456	2021-09-12	5
9876	8047 Heaney Locks Apt. 793 P...	0	1980-10-29 09:10:24	8769943367	1998-11-02	4

Medicine_Banks Table -

```
CREATE TABLE `Medicine_Banks` (
  `MedBank_id` int(9) NOT NULL,
  `Address` varchar(255) NOT NULL,
  `Zip_code` int(9) unsigned NOT NULL,
  `Working_hrs` datetime NOT NULL,
  `Phone_no` bigint(20) NOT NULL,
  `Date` date NOT NULL,
  `Expiry_Date` date NOT NULL,
  PRIMARY KEY (`MedBank_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (0982, '724 Thiel Glens\nSeamusstad, IL 16171',
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (8976, '3461 Eva Crest Apt. 249\nWest Modestovil
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (7549, '13171 Laisha Drive Apt. 473\nKatlynshire,
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (2339, '229 Gibson Mills\nGradyborough, ME 12582-
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (2261, '47231 Marta Ridges\nWest Dortha, WI 8927
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (6099, '830 Schowalter Hills Suite 118\nVidamouth
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (6819, '87659 Josefina Glens Apt. 669\nWest Nils
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (9549, '55612 Terrill Greens Apt. 432\nEldredbury
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (7148, '0450 Lambert Courts\nNorth Ruth, IA 2874
INSERT INTO `Medicine_Banks` (`MedBank_id`, `Address`, `Zip_code`, `Working_hrs`, `Phone_no`, `Date`, `Expiry_Date`) VALUES (5088, '739 Witting Springs Suite 373\nLake Brau
```

```
use HUMANE_Project;

select * from Medicine_Banks;
```

1:2

Result Grid Filter Rows: Search Edit: Export/Import:

MedBank_id	Address	Zip_code	Working_hrs	Phone_no	Date	Expiry_Date
982	724 Thiel Glens Seamusstad,...	16171	1993-01-08 10:25:52	9960965463	1971-03-06	1994-03-06
2261	47231 Marta Ridges West Dor...	89277	1997-02-10 20:11:04	9124587065	1989-07-17	2010-08-05
2339	229 Gibson Mills Gradyboroug...	12582	1973-08-06 00:05:47	9856437651	2015-07-07	1978-07-11
5088	739 Witting Springs Suite 373...	34990	1998-06-18 01:24:47	8923090875	2017-03-02	2009-04-19
6099	830 Schowalter Hills Suite 118...	85285	1992-04-09 01:35:28	8284874532	1984-05-07	1996-07-12
6819	87659 Josefina Glens Apt. 66...	30543	1978-10-21 15:49:50	9553164940	1976-01-30	1989-04-03
7148	0450 Lambert Courts North R...	28748	1981-09-26 19:03:46	9786539865	1975-06-13	1995-08-15
7549	13171 Laisha Drive Apt. 473 K...	98853	2013-01-18 03:34:23	9035298763	2012-05-11	2011-06-10
8976	3461 Eva Crest Apt. 249 West...	43178	1975-12-16 13:27:40	9778899876	2004-04-18	1973-10-27
9549	55612 Terrill Greens Apt. 432...	30365	2004-10-15 19:56:10	9565434287	2014-07-23	1982-03-03

Pharmacy Table -

```
CREATE TABLE `Pharmacy` (
  `Pharmacy_id` int(9) NOT NULL,
  `Name` varchar(100) NOT NULL,
  `dosage` float(10,4) NOT NULL,
  `Med_Details` varchar(255) NOT NULL,
  PRIMARY KEY (`Pharmacy_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (8765, 'Tremayne Becker', '13.49', 'Paracemtol.');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (8809, 'Damon Moen', '15.901', 'Disprin');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (1588, 'Georgette O\'Conner V', '19.84', 'Paracemtol');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (2518, 'Nicolette Gislason', '10.00', 'Asprin');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (5764, 'Hardy Miller DVM', '26.00', 'Disprin.');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (2626, 'Casandra Koss', '10.00', 'Asprin');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (7083, 'Jayden Kuhic', '22.30', 'Paracemtol');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (2833, 'Amalia Hansen', '43.75', 'Disprin');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (2439, 'Noemy D\'Amore', '57.12', 'Asprin');
INSERT INTO `Pharmacy` (`Pharmacy_id`, `Name`, `dosage`, `Med_Details`) VALUES (4158, 'Velda Carroll Sr.', '34.79', 'Paracemtol');
```

```
1  use HUMANE_Project;
2
3  select * from Pharmacy;
```

00% 24:3

Result Grid Filter Rows: Search

Pharmacy_id	Name	dosage	Med_Details
1588	Georgette O'Conner V	19.8400	Paracemtol
2439	Noemy D'Amore	57.1200	Asprin
2518	Nicolette Gislason	10.0000	Asprin
2626	Casandra Koss	10.0000	Asprin
2833	Amalia Hansen	43.7500	Disprin
4158	Velda Carroll Sr.	34.7900	Paracemtol
5764	Hardy Miller DVM	26.0000	Disprin.
7083	Jayden Kuhic	22.3000	Paracemtol
8765	Tremayne Becker	13.4900	Paracemtol.
8809	Damon Moen	15.9010	Disprin
NULL	NULL	NULL	NULL

Individual_Donors Table -

```
CREATE TABLE `Individual_Donors` (
  `SSN` int(9) NOT NULL,
  `Address` varchar(255) NOT NULL,
  `Quantity` float(10,4) NOT NULL,
  `Pickup/Dropoff` datetime NOT NULL,
  `Name` varchar(255) NOT NULL,
  `Courier_Tracking_ID` bigint(20) NOT NULL,
  `Contact_Details` bigint(20) NOT NULL,
  PRIMARY KEY (`SSN`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (582938476, '640 Archibald Hill\nE
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (273528294, '859 Wiegand Crossing
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (387635267, '1123 Kshlerin Walk Ap
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (445673213, '256 Hirthe Estates Ap
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (169765678, '32865 Eloisa Keys Apt
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (319125677, '688 Danika Wells Suit
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (337164456, '1297 Lucie Light Suit
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (368122786, '3836 Langworth Fords
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (143466832, '894 Ernser Place\nNor
INSERT INTO `Individual_Donors` (`SSN`, `Address`, `Quantity`, `Pickup/Dropoff`, `Name`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (249041953, '237 Bergstrom Island\
```

```
1  use HUMANE_Project;
2
3  select * from Individual_Donors;
```

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Result Grid | Filter Rows: Search | Edit: | Export/Import:

SSN	Address	Quantity	Pickup/Dropoff	Name	Courier_Tracking_ID	Contact_Deta...
143466832	894 Ernser Place North Shyannha...	7.0000	1993-06-23 03:09:15	Dr. Ed Walsh	57006934	8949408765
169765678	32865 Eloisa Keys Apt. 375 Port P...	6.0000	1985-06-23 16:09:43	Jennifer Ratke	99456432	5875632467
249041953	237 Bergstrom Island Port Annalis...	1.0000	2011-01-20 00:24:35	Rosalee Blick	65580787	7877543328
273528294	859 Wiegand Crossing Apt. 890 Ea...	4.0000	1992-02-12 15:10:01	Ebony Gislason	55145678	7288142314
319125677	688 Danika Wells Suite 875 Kautz...	9.0000	1972-10-07 12:42:49	Carolyn Hackett	86245328	8362628394
337164456	1297 Lucie Light Suite 425 Brendo...	9.0000	1993-10-12 13:53:52	Percival Lindgren	87523456	7866437768
368122786	3836 Langworth Fords Suite 530 K...	2.0000	1990-05-15 17:17:22	Ms. Bridget White	76250156	8753437424
387635267	1123 Kshlerin Walk Apt. 882 West...	7.0000	2022-08-03 18:24:53	Kiarra Wiegand	11134523	987235674
445673213	256 Hirthe Estates Apt. 003 New N...	8.0000	2016-06-07 15:29:50	Price Stiedemann DVM	14349056	875372890
582938476	640 Archibald Hill Edgarland, RI 51...	4.0000	1981-02-21 12:57:34	Prof. Kaelyn Brakus II	17282994	7876736745
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Merchandised_Donors Table -

```
CREATE TABLE `Merchandised_Donors` (
  `Company_id` int(9) NOT NULL,
  `Company_Name` varchar(100) NOT NULL,
  `Address` varchar(255) NOT NULL,
  `Quantity` float(10,4) NOT NULL,
  `Pickup/Dropoff` datetime NOT NULL,
  `Courier_Tracking_ID` bigint(20) NOT NULL,
  `Contact_Details` bigint(20) NOT NULL,
  PRIMARY KEY (`Company_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (8987, 'Gibson Lt
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (1627, 'Bartell L
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (1768, 'Okuneva,
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (2382, 'Daugherty
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (3774, 'Howe, Pro
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (4367, 'Ferry Ltd
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (5921, 'Toy-Glove
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (6082, 'West-Bern
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (6491, 'Lehner-Ru
INSERT INTO `Merchandised_Donors` (`Company_id`, `Company_Name`, `Address`, `Quantity`, `Pickup/Dropoff`, `Courier_Tracking_ID`, `Contact_Details`) VALUES (7700, 'Bergnaum
```

```
1  use HUMANE_Project;
2
3  select * from Merchandised_Donors;
```

35:3

Result Grid | Filter Rows: Search | Edit: | Export/Import:

Company_id	Company_Name	Address	Quantity	Pickup/Dropoff	Courier_Tracking_ID	Contact_Deta...
1627	Bartell Ltd	2576 Sauer Throughway South...	980.0000	1998-08-08 16:46:31	85797498	9278198477
1768	Okuneva, Legros and Hackett	4466 Earnestine Shore West La...	907.0000	2007-12-07 02:40:16	38762543	8799826176
2382	Daugherty-Rolfson	5302 Mertz Inlet Apt. 298 Lake...	287.0000	2007-05-30 15:49:53	67695729	9826098810
3774	Howe, Prosacco and Medhurst	352 Foster Mills Apt. 531 New...	467.0000	1980-06-21 01:29:46	94108648	9666229980
4367	Ferry Ltd	39509 Kacie Plaza South Tristia...	654.6945	1971-04-19 04:48:25	88898736	9516562718
5921	Toy-Glover	558 Skylar Prairie Willmsfort, C...	650.0000	1991-04-20 17:53:19	15485798	9004527880
6082	West-Bernier	22067 Vito Inlet Lambertland, I...	225.1387	2003-03-28 12:21:37	42950876	8076228897
6491	Lehner-Runolfsson	5962 Alexie Park West Travisvie...	765.0000	2020-07-30 21:30:47	94635272	9027618838
7700	Bergnaum LLC	7953 Lilyan Valley North Taniam...	225.6094	2010-09-23 01:38:26	69431285	9141665277
8987	Gibson Ltd	962 Freeman Circle New Dario...	1000.0000	1977-05-01 13:23:59	58736278	9278109821
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Restaurants Table -

```
CREATE TABLE `Restaurants` (
  `Restaurant_id` int(9) NOT NULL,
  `Name` varchar(100) NOT NULL,
  `Address` varchar(255) NOT NULL,
  `Zip_code` int(11) NOT NULL,
  `Date` date NOT NULL,
  `Donating-hrs` time NOT NULL,
  `Phone_number` bigint(20) NOT NULL,
  `Quantity` float(10,4) NOT NULL,
  PRIMARY KEY (`Restaurant_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (1124, 'Edythe Braun', '1523 Toney Loc
INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (6434, 'Sandrine Gorczany', '046 Amparo
INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (8578, 'Mr. Jettie Greenfelder', '3198
INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (1425, 'Grover Reynolds II', '420 Shana
INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (1712, 'Stanton Mayer', '47441 Luettger
INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (3807, 'Dr. Courtney Fadel II', '523 W
INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (5491, 'Marcelo Haag', '512 Elinor Squa
INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (7802, 'Marcelle Ankunding', '939 Goyet
INSERT INTO `Restaurants` (`Restaurant_id`, `Name`, `Address`, `Zip_code`, `Date`, `Donating-hrs`, `Phone_number`, `Quantity`) VALUES (9573, 'Hollie Daniel', '6256 Nathanael
```

```
use HUMANE_Project;

select * from Restaurants;
```

0% 27:3

Result Grid Filter Rows: Search Edit: Export/Import:

Restaurant_id	Name	Address	Zip_code	Date	Donating-...	Phone_number	Quantity
1124	Edythe Braun	1523 Toney Lock East Kennithsid...	15984	2022-06-27	17:11:20	8687645789	45.0000
1425	Grover Reynolds II	420 Shanahan Meadow Suite 571...	92521	2005-08-24	06:24:34	762146781	84.5000
1712	Stanton Mayer	47441 Luettgen Field Gulgowskim...	57147	1993-04-02	17:37:24	9846251781	30.0000
3807	Dr. Courtney Fadel II	523 Wilkinson Valleys Apt. 769 Ne...	97587	2015-03-15	12:59:10	9842147589	32.0000
5491	Marcelo Haag	512 Elinor Squares South Estach...	18979	2020-07-16	23:10:51	7006825678	56.0000
6434	Sandrine Gorczany	046 Amparo Club Apt. 982 South...	86101	2012-11-23	00:09:56	8794567387	70.1000
7802	Marcelle Ankunding	939 Goyette Springs Fordborough...	6886	1977-12-21	18:50:03	5736434578	57.0000
8578	Mr. Jettie Greenfelder	3198 Ortiz Walks Suite 262 Rober...	13124	1995-10-28	19:34:44	8748906783	13.4000
9573	Hollie Daniel	6256 Nathanael Walks Lake Free...	13059	1990-12-24	03:36:50	1644522466	82.1200
9652	Prof. Arnoldo Bradtke	5913 Jacobi Vista New Verlieville,...	62166	1986-01-25	08:17:47	8714567890	50.0000

Transportation Table -

```
CREATE TABLE `Transportation` (
  `Dropoff_Address` varchar(255) NOT NULL,
  `Pickup_Address` varchar(255) NOT NULL,
  `Dropoff_Date` date NOT NULL,
  `Pickup_Date` date NOT NULL,
  `Zip_code` int(11) NOT NULL,
  `Contact_Details` bigint(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('5306 Sarina Way Apt. 070\nNew Desta
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('07796 Katheryn Road\nDelfinachester
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('2050 Bernier Turnpike Suite 776\nKa
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('696 Kirlin Crossing\nWintheiserland
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('4185 Haag Centers Suite 255\nMarqu
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('638 Daija Heights\nKileystad, IL 60
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('882 Jacinto Field Apt. 402\nPort Ca
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('293 Rogelio Expressway Suite 959\nA
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('2538 Nicola Roads\nWest Hankfort, M
INSERT INTO `Transportation` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_Date`, `Pickup_Date`, `Zip_code`, `Contact_Details`) VALUES ('2361 Jamar Village\nLake Ofelia, WA
```

```
use HUMANE_Project;

select * from Transportation;
```

30:3

Result Grid Filter Rows: Search Export:

Dropoff_Address	Pickup_Address	Dropoff_Date	Pickup_Date	Zip_code	Contact_Deta...
5306 Sarina Way Apt. 070 New D...	58173 Murphy Mission Suite 19...	2018-04-26	2011-10-27	36137	9874536627
07796 Katheryn Road Delfinache...	6908 Alexa Mission Paolohaven,...	1985-10-06	1970-07-26	50657	9025913662
2050 Bernier Turnpike Suite 776...	995 Deontae Key Suite 566 East...	2011-05-21	1996-11-11	17720	9563421870
696 Kirlin Crossing Wintheiserlan...	92516 Dana Haven Suite 671 P...	1971-04-09	2006-05-27	39393	9763450918
4185 Haag Centers Suite 255 Ma...	089 Beier Trail Suite 385 South...	1985-11-13	2001-09-10	46272	9756423180
638 Daija Heights Kileystad, IL 60...	3486 Shany Inlet Schmitthaven,...	2008-06-25	2021-03-02	60668	8886754630
882 Jacinto Field Apt. 402 Port C...	717 Metz Dam Port Erick, NH 28...	1980-05-26	1973-07-22	20384	9087467891
293 Rogelio Expressway Suite 95...	845 Dagmar Circles Williamsont...	2019-11-16	1995-09-10	83159	8974567890
2538 Nicola Roads West Hankfor...	9208 Grady Views South Arlie, I...	2020-05-10	1995-11-19	35029	8435678091
2361 Jamar Village Lake Ofelia,...	93395 Terry Falls Alyciaport, ME...	2004-09-23	1984-07-02	2389	9554789980

Volunteers Table -

```
CREATE TABLE `Volunteers` (
  `Volunteer_SSN` int(9) NOT NULL,
  `Department_ID` int(9) unsigned NOT NULL,
  `Name` varchar(100) NOT NULL,
  `Zip_code` int(11) NOT NULL,
  `Date` date NOT NULL,
  `Time` time NOT NULL,
  `Contact_Details` bigint(20) NOT NULL,
  PRIMARY KEY (`Volunteer_SSN`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (908767590, 8265, 'Blake Homenick', 78540, '1998-0
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (785643895, 7703, 'Kamille Quigley', 62928, '1978-
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (867534271, 3421, 'Katherine Mohr', 16412, '2020-0
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (890875674, 8976, 'Norene Vandervort', 58744, '201
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (686879076, 5882, 'Miss Gabriella Connelly Sr.', 0
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (868765694, 6680, 'Anais Sporer', 89128, '2010-02-
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (980984661, 3580, 'Vicky Christiansen', 22584, '20
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (826841958, 0767, 'Brandt Casper', 68883, '2003-05
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (875009817, 8976, 'Dr. Zack Raynor PhD', 92475, '2
INSERT INTO `Volunteers` (`Volunteer_SSN`, `Department_ID`, `Name`, `Zip_code`, `Date`, `Time`, `Contact_Details`) VALUES (982302981, 2311, 'Zita Schinner', 67137, '1982-05
```

```
use HUMANE_Project;

select * from Volunteers;
```

26:3

Result Grid Filter Rows: Search Edit: Export/Import:

Volunteer_SSN	Department_ID	Name	Zip_code	Date	Time	Contact_Deta...
686879076	5882	Miss Gabriella Connelly Sr.	2871	1990-11-21	13:18:23	9531879065
785643895	7703	Kamille Quigley	62928	1978-12-04	11:11:22	9156478097
826841958	767	Brandt Casper	68883	2003-05-21	15:01:50	9515789657
867534271	3421	Katherine Mohr	16412	2020-07-27	08:13:39	8109452213
868765694	6680	Anais Sporer	89128	2010-02-04	08:28:59	949413897
875009817	8976	Dr. Zack Raynor PhD	92475	2001-03-19	17:20:43	9986975134
890875674	8976	Norene Vandervort	58744	2016-05-25	12:05:24	9627528429
908767590	8265	Blake Homenick	78540	1998-09-21	01:25:33	9650982897
980984661	3580	Vicky Christiansen	22584	2002-09-19	21:52:52	9186789045
982302981	2311	Zita Schinner	67137	1982-05-21	13:01:26	9187654789
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Transporter Table -

```
CREATE TABLE `Transporter` (
  `Dropoff_Address` varchar(255) NOT NULL,
  `Pickup_Address` varchar(255) NOT NULL,
  `Dropoff_time` time NOT NULL,
  `Pickup_Time` time NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('91844 Romaine Light\nSouth Rhianna, NH 42921', '4453 Jailyn Pike\nTr
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('47501 Laisha Corners Suite 036\nKreigermouth, DC 33151', '72980 Jens
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('461 Eli Stream Apt. 604\nLake Stephaniaview, PA 08003', '573 Logan E
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('290 Raphaelle Crossing Suite 331\nWaldoport, SC 63049-8332', '43384
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('7621 Kessler Mission Suite 970\nWest Guiseppe, IN 00364', '40922 Cor
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('325 Wilbert Fork\nNew Clovishaven, NV 64480-0749', '120 Judge Corner
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('27563 Bridie Stravenue Apt. 667\nAlexiefurt, ME 75706', '6874 Zemlak
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('297 Rick Pike Apt. 409\nOsinskichester, IN 76014-4570', '820 Greenfe
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('974 Heidi Forks\nDulcestad, MT 69405-2527', '1221 Colt Views Suite 4
INSERT INTO `Transporter` (`Dropoff_Address`, `Pickup_Address`, `Dropoff_time`, `Pickup_Time`) VALUES ('6191 Alison Island Suite 897\nEast Guadalupestad, ME 44358', '082 Sc
```

```
1  use HUMANE_Project;
2
3  select * from Transporter;
```

100% 27:3

Result Grid | Filter Rows: Search | Export:

Dropoff_Address	Pickup_Address	Dropoff_ti...	Pickup_Time
91844 Romaine Light South Rhia...	4453 Jailyn Pike Trevionchester,...	00:17:10	17:40:29
47501 Laisha Corners Suite 036...	72980 Jensen Flat Suite 094 Ea...	20:44:04	21:13:02
461 Eli Stream Apt. 604 Lake Ste...	573 Logan Estates Port Aileen,...	01:13:21	17:22:27
290 Raphaelle Crossing Suite 33...	43384 Joanne Oval Apt. 382 Ha...	07:35:15	09:22:15
7621 Kessler Mission Suite 970...	40922 Corkery Gateway Apt. 81...	12:16:13	08:00:21
325 Wilbert Fork New Clovishave...	120 Judge Corner Apt. 871 Sout...	08:44:31	17:56:07
27563 Bridie Stravenue Apt. 667...	6874 Zemlak Trafficway Apt. 643...	14:45:57	17:40:31
297 Rick Pike Apt. 409 Osinskich...	820 Greenfelder Well Goodwinh...	05:00:25	01:01:05
974 Heidi Forks Dulcestad, MT 6...	1221 Colt Views Suite 410 West...	06:00:06	13:19:09
6191 Alison Island Suite 897 Eas...	082 Schimmel Gateway Winthei...	13:12:54	11:32:29

Packaging Table -

```
CREATE TABLE `Packaging` (
  `Packaging_id` int(9) NOT NULL,
  `Weight` float NOT NULL,
  `Quantity` int(9) unsigned NOT NULL,
  PRIMARY KEY (`Packaging_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (0879, '886.000', 9);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (4564, '111.000', 9);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (2409, '960.987', 3);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (3888, '447.097', 5);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (9654, '326.098', 4);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (9988, '127.000', 1);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (8970, '994.985', 18);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (1958, '416.345', 12);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (5397, '359.987', 6);
INSERT INTO `Packaging` (`Packaging_id`, `Weight`, `Quantity`) VALUES (6170, '768.876', 15);
```

```
1  use HUMANE_Project;
2
3  select * from Packaging;
```

100% 25:3

Result Grid | Filter Rows: Search | Edi

Packaging_id	Weight	Quantity
879	886	9
1958	416.345	12
2409	960.987	3
3888	447.097	5
4564	111	9
5397	359.987	6
6170	768.876	15
8970	994.985	18
9654	326.098	4
9988	127	1
NULL	NULL	NULL

Shelter_Home Table -

```
CREATE TABLE `Shelter_Home` (
  `ShelterHome_id` int(9) NOT NULL,
  `Shelter_Name` varchar(100) NOT NULL,
  `Zip_Code` int(9) unsigned NOT NULL,
  `Address` varchar(255) NOT NULL,
  `Quantity` float(10,4) NOT NULL,
  `Contact_Details` bigint(20) NOT NULL,
  `No_of_people` int(11) NOT NULL,
  PRIMARY KEY (`ShelterHome_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (2245, 'vitae', '78540', '41702 N
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (8846, 'dolores', '62928', '344 C
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (7332, 'autem', '16412', '7235 Jo
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (3633, 'quia', '58744', '89375 Ju
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (8225, 'architecto', '02871', '67
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (9170, 'minus', '89128', '9905 Kos
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (7033, 'est', '22584', '0199 Walt
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (3294, 'voluptas', '68883', '480 H
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (8009, 'aut', '92475', '2442 Rolfs
INSERT INTO `Shelter_Home` (`ShelterHome_id`, `Shelter_Name`, `Zip_Code`, `Address`, `Quantity`, `Contact_Details`, `No_of_people`) VALUES (7421, 'modi', '67137', '786 Letha
```

```
1  use HUMANE_Project;
2
3  select * from Shelter_Home;
```

0% 28:3

esult Grid | Filter Rows: Search | Edit: | Export/Import:

ShelterHome_...	Shelter_Name	Zip_Code	Address	Quantity	Contact_Deta...	No_of_peopl
2245	vitae	78540	41702 Nicolas Lock South Jeramyber...	100.0000	9843567892	30
3294	voluptas	68883	480 Hills Burg Suite 365 Moenport, S...	100.0000	9763167980	90
3633	quia	58744	89375 Julian Club Port Hoseatown,...	50.8700	5687382947	50
7033	est	22584	0199 Walton Mountains Suite 481 So...	107.6700	74839274758	30
7332	autem	16412	7235 Jody Mountains Port Quentinsid...	100.0000	6234589087	10
7421	modi	67137	786 Letha Station New Felicita, ME 6...	47.0000	8684578907	40
8009	aut	92475	2442 Rolfson Row North Graysonber...	60.0000	6398866438	50
8225	architecto	2871	6707 Loy Camp South Alessandrosid...	16.6200	9856372891	55
8846	dolores	62928	344 Considine Extensions Apt. 086 W...	59.5000	7345689876	60
9170	minus	89128	9905 Koss Squares Suite 699 Fredric...	17.5800	9089253456	19

SQL QUERIES

Query 1. Write a query to find unique Medicine Details present in Pharmacy

- select distinct (Med_Details)
  from Pharmacy;

Query 2. Write a query to find Electronics and Furniture ID, Address, Zip-code, Phone no and their Years of Usage with Years of Usage between 3 years and 9 years

- select Elec_fur_id, Address, Zip_code, Phone_number,Yrs_of_usage
  from Electronics_Furniture_ID
  where Yrs_of_usage between 3 and 9;

Query 3. Write a query to find total Quantity as Sum_Quantity where Quantity is greater than "500"

- select sum(Quantity) as Sum_Quantity
  from Merchandised_Donors
  where Quantity > 500;

Query 4. Write a query to find Medicine Details and total Dosage as Total_Dosage where Medicine is "Asprin"

- select Med_Details,sum(dosage) as Total_Dosage
  from Pharmacy
  group by Med_Details
  having Med_Details = 'Asprin';

Query 5. Write a query to find Pharmacy id and Name where Medicine Date is greater than "2012-05-11" (Use Exists)

- select Pharmacy_id, Name from Pharmacy p
  where exists (select * from Medicine_Banks m
  where p.Pharmacy_id = m.Pharmacy_id having date > "2012-05-11");

Query 6. Retrieve Department ID along with SNN, Name, Time and Date of availability and contact details of volunteers who are assigned to the Electronics/Furniture department

- select Department_ID,Volunteer_SSN,Name,Date,Time,Contact_Details
  from Volunteers v
  where v.Department_ID in (select Elec_fur_id from Electronics_Furniture_ID e
  where e.Elec_fur_id = v.Department_ID);

Query 7. Retrieve volunteers information based on the date they are available for transportation

- select Volunteer_SSN, Name, Date, Time from Volunteers v
  where v.date in (select Pickup_Date
  from Transportation t
  where t.Pickup_Date = v.Date);

Query 8. Retrieve FoodBank_ID Restaurant_ID, Name, Address, Date and Quantity after date ''2000-01-01' where Quantity is greater than '13.0000'.

- select f.FoodBank_ID, r.Restaurant_id, r.Name, r.Address, f.Date, r.Quantity from Food_Banks f inner join Restaurants r
  where f.Restaurant_id = r.Restaurant_id
  and f.Date > '2000-01-01'
  and r.Quantity > 13.0000;

Query 9. Retrieve MedBank_id, Expiry_Date, Pharmacy_id, dosage, Med_Details and name where Pharmacy_id > '1000' and plot the graph between medicine name and Expiry_Date.

- select MedBank_id, Expiry_Date, Pharmacy_id from Medicine_Banks
  where Pharmacy_id in
  (select Pharmacy_id from Pharmacy
  where Pharmacy_id > '1000');

Query 10. Retrieve the Foodbank ID of the restaurant who delivers the highest quantity of food.

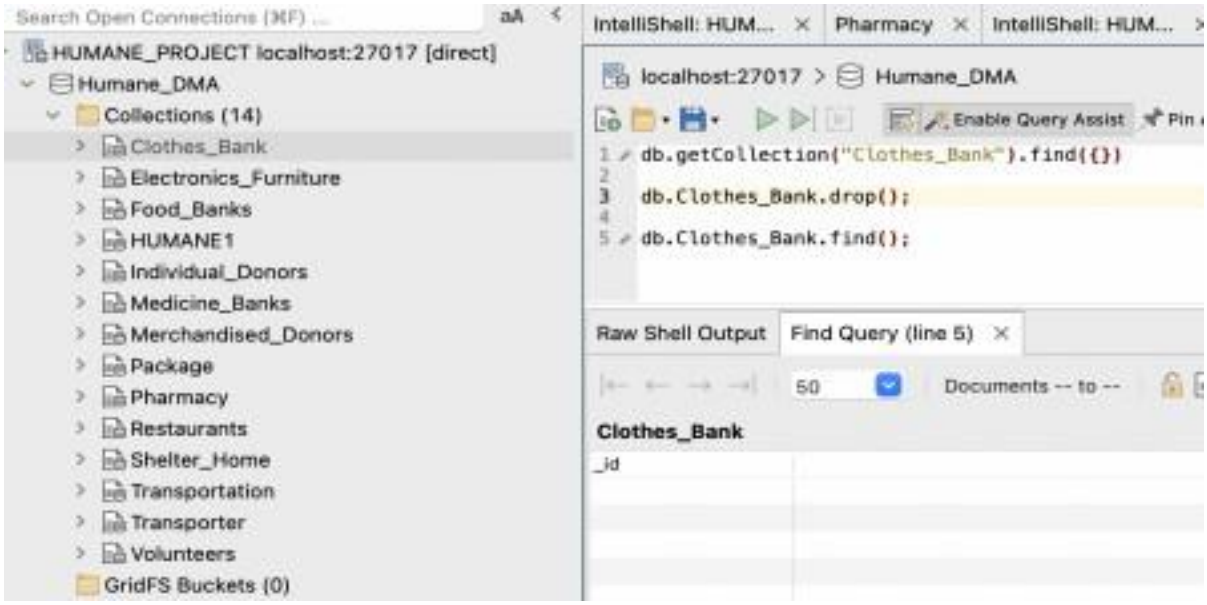
- select FoodBank_ID, Zip_code, Address from Food_Banks where Restaurant_id IN (select Restaurant_id from Restaurants
  where Quantity >= ANY
  (select Quantity from Restaurants));

IMPLEMENTATION IN NoSQL (MangoDB)

- Connected our database and created a collection in MongoDB with implementation of NoSQL querying deploying drop, insert, update and aggregate functions.

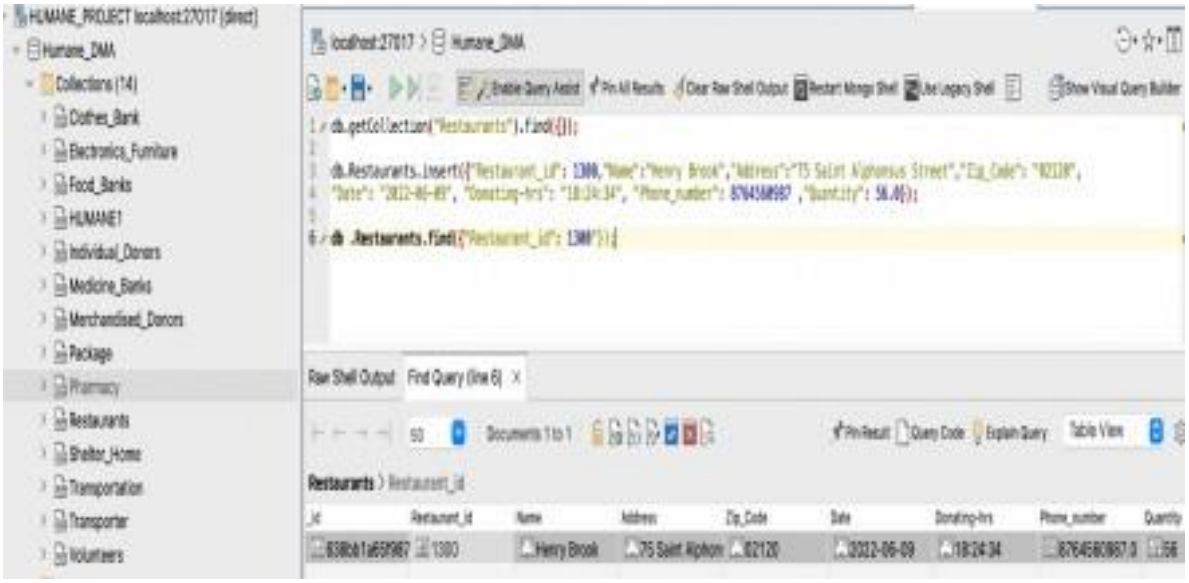
1. DROP -

- db.Clothes_Bank.drop();



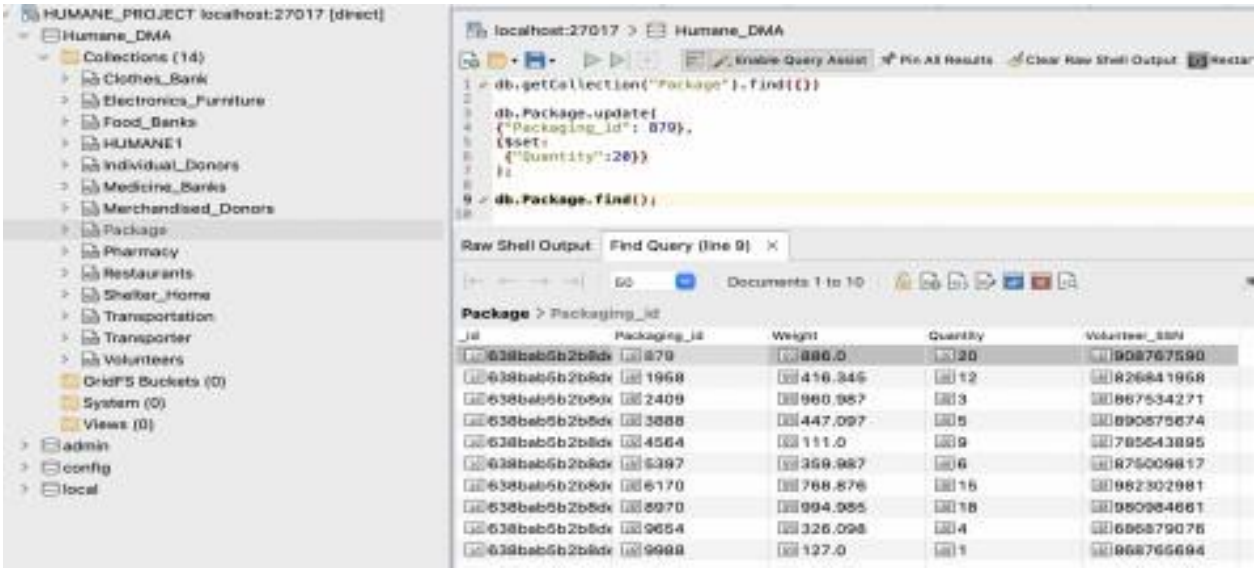
2. INSERT -

- db.Restaurants.insert({"Restaurant_id": 1300,"Name":"Henry Brook","Address":"75 Saint Alphonsus Street","Zip_Code": "02120","Date": "2022-06-09", "Donating-hrs": "18:24:34", "Phone_number": 8764560987 ,"Quantity": 56.0});
  db .Restaurants.find({"Restaurant_id": 1300"})



3. UPDATE

- db.getCollection("Package").find({})
  db.Package.update({"Packaging_id": 879},
  {$set:
  {"Quantity":20}}
  ); db.Package.find();



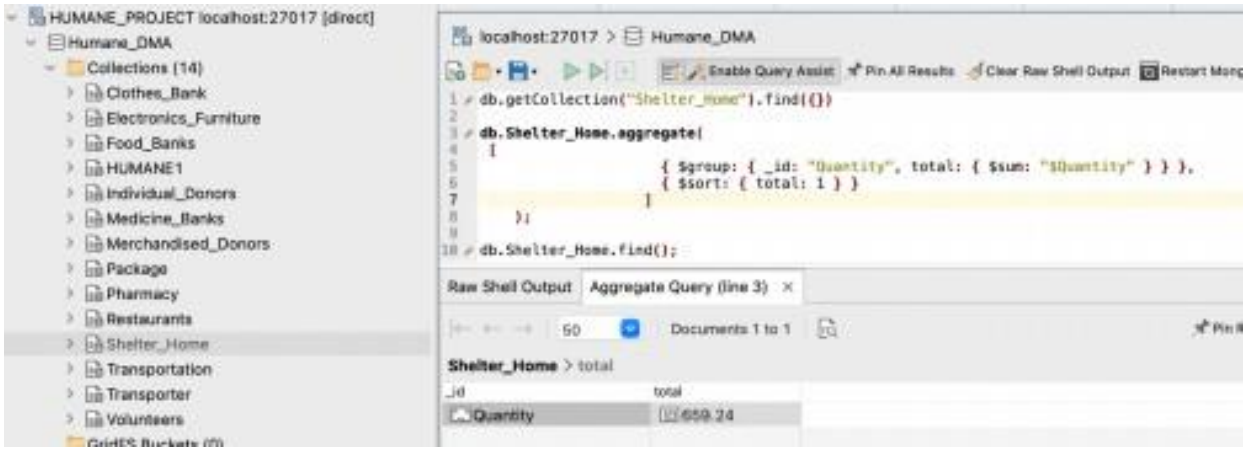
4. Aggregate

- db.Shelter_Home.aggregate([

  );

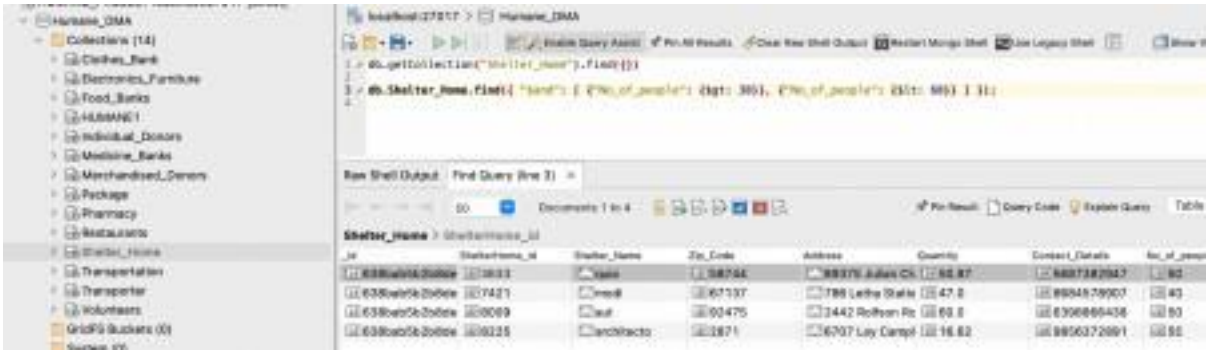
  { $group: { _id: "Quantity", total: { $sum: "$Quantity" } } },

  { $sort: { total: 1 } }]



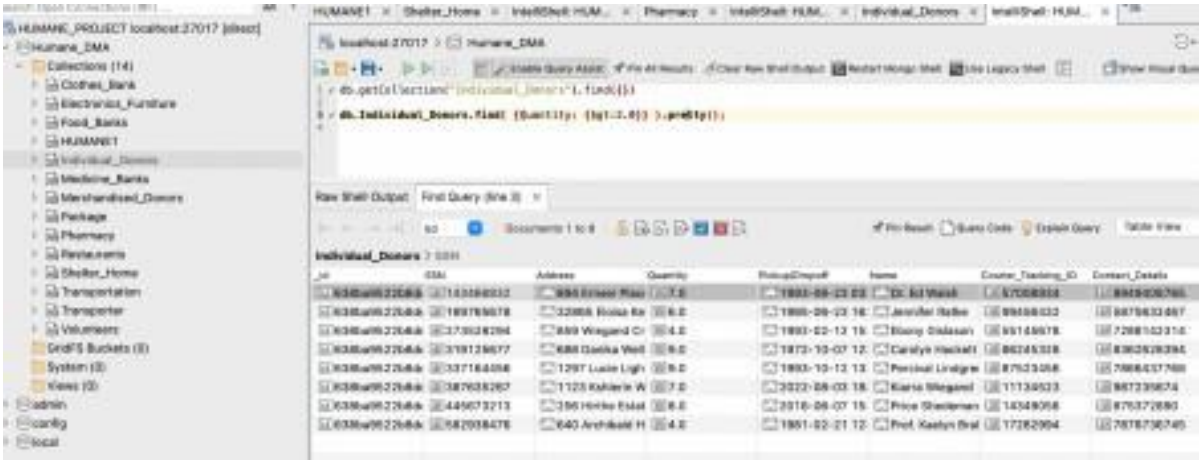
5. Greater than - Lesser than

- db.Shelter_Home.find(
  { "$and":
  [{"No_of_people": {$gt: 30}}, {"No_of_people": {$lt: 60}}] });



6. Pretty()

- db.Individual_Donors.find({Quantity: {$gt:2.0}}).pretty();



Application to access database (Python)

- Application to access database using python to analyze and perform data insights

1. **Retrieve FoodBank_ID Restaurant_ID, Name, Address, Date and Quantity after date ''2000-01-01' where Quantity is greater than '13.4000' and plot pie chart between date and quantity.**

   select f.FoodBank_ID, r.Restaurant_id, r.Name, r.Address, f.Date, r.Quantity from Food_Banks f inner join Restaurants r
   where f.Restaurant_id = r.Restaurant_id
   and f.Date > '2000-01-01'
   and r.Quantity > 13.0000;

```
In [16]: df_1 = pd.read_sql_query('''select f.FoodBank_ID, r.Restaurant_id, r.Name, r.Address, f.Date, r.Quantity from Food_Bank
```

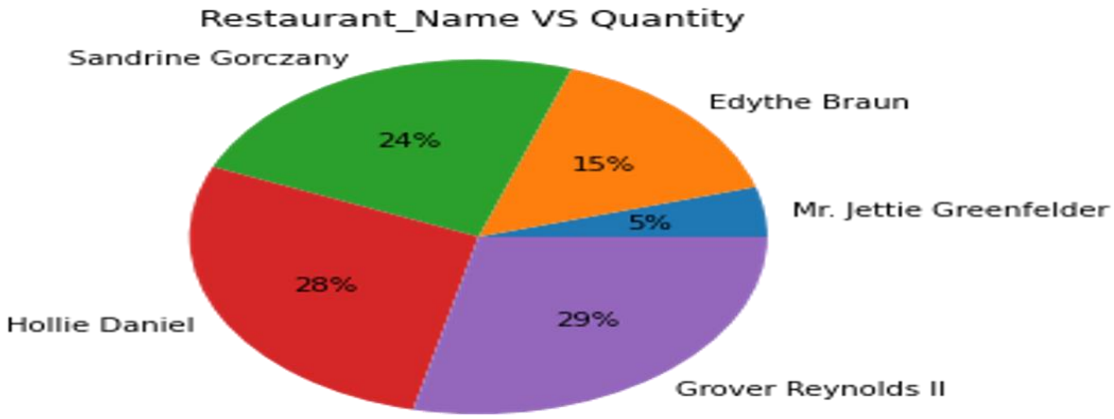
```
In [17]: df_1
```

Out[17]:

	FoodBank_ID	Restaurant_id	Name	Address	Date	Quantity
0	1334	8578	Mr. Jettie Greenfelder	3198 Ortiz Walks Suite 262\nRobertsfort, OR 13124	2019-12-12	13.40
1	3789	1124	Edythe Braun	1523 Toney Lock\nEast Kennithside, IN 15984-5692	2001-03-11	45.00
2	4042	6434	Sandrine Gorczany	046 Amparo Club Apt. 982\nSouth Kristyborough,...	2015-12-31	70.10
3	5882	9573	Hollie Daniel	6256 Nathanael Walks\nLake Freeman, MD 13059	2019-02-17	82.12
4	7703	1425	Grover Reynolds II	420 Shanahan Meadow Suite 571\nNorth Camron, C...	2015-11-28	84.50

```
In [18]: df_complete = pd.DataFrame({'data': df_1['Quantity'], 'labels': df_1['Name']})

         plt.pie(df_complete['data'], labels=df_complete['labels'],autopct='%.0f%%')
         plt.axis('equal')
         plt.title('Restaurant_Name VS Quantity')
         plt.show()
```



2. **Retrieve MedBank_id, Expiry_Date, Pharmacy_id, dosage, Med_Details and name where Pharmacy_id > '1000' and plot the graph between medicine name and Expiry_Date. Plot the bar graph between Expiry Date and Pharmacy id.**

   select MedBank_id, Expiry_Date, Pharmacy_id from Medicine_Banks
   where Pharmacy_id in
   (select Pharmacy_id from Pharmacy
   where Pharmacy_id > '1000');

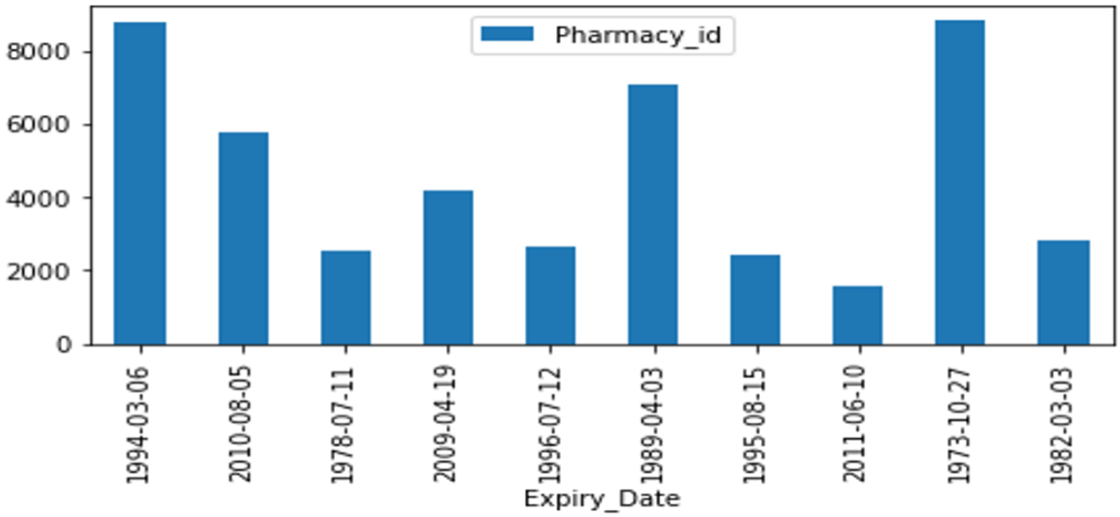
```
In [19]: df_2 = pd.read_sql_query('''select MedBank_id, Expiry_Date, Pharmacy_id from Medicine_Banks where Pharmacy_id in (selec
```

```
In [20]: df_2
```

Out[20]:

	MedBank_id	Expiry_Date	Pharmacy_id
0	982	1994-03-06	8765
1	2261	2010-08-05	5764
2	2339	1978-07-11	2518
3	5088	2009-04-19	4158
4	6099	1996-07-12	2626
5	6819	1989-04-03	7083
6	7148	1995-08-15	2439
7	7549	2011-06-10	1588
8	8976	1973-10-27	8809
9	9549	1982-03-03	2833

```
In [21]: df_2.plot(x="Expiry_Date", y="Pharmacy_id", kind="bar", figsize=(7, 3))
         plt.show()
```



3. **Retrieve the Foodbank ID from the restaurant who delivers the highest quantity of food and create a scatter plot between zip code and foodbank id.**
    - select FoodBank_ID, Zip_code, Address from Food_Banks where Restaurant_id IN (select Restaurant_id from Restaurants where Quantity >= ANY (select Quantity from Restaurants));

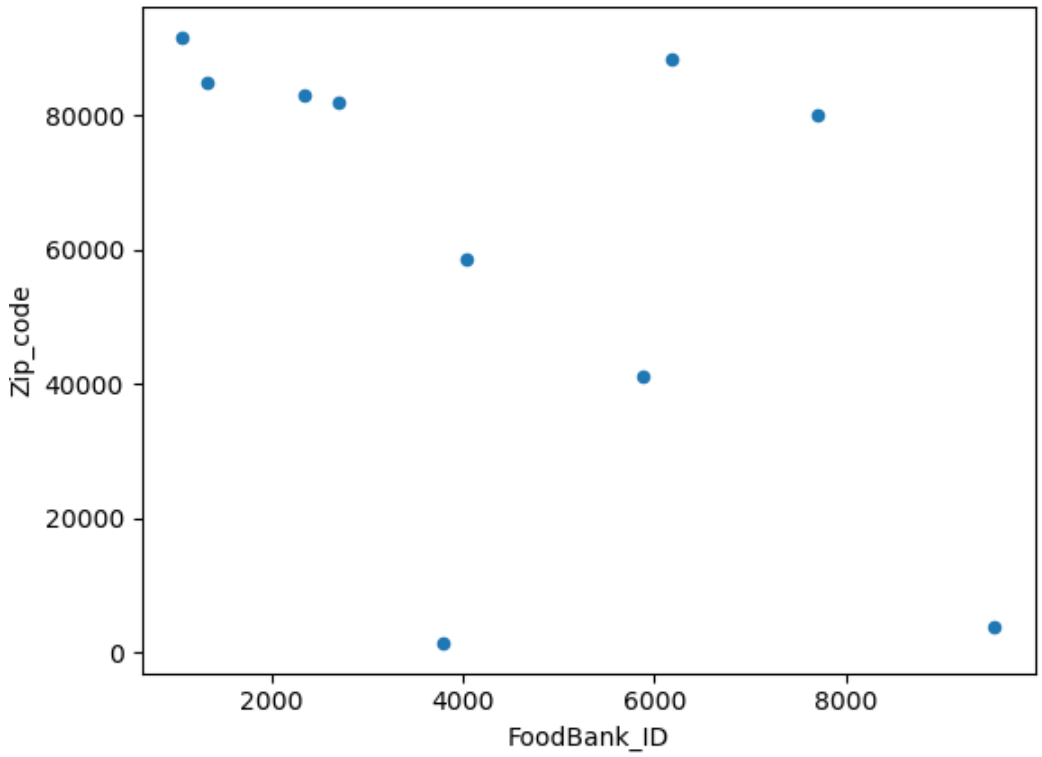
```
In [75]: df_3 = pd.read_sql_query('select FoodBank_ID, Zip_code, Address from Food_Banks where Restaurant_id IN (select Restaura
```

```
In [76]: df_3
```

Out[76]:

	FoodBank_ID	Zip_code	Address
0	1074	91667	9295 Kihn Square Suite 592\nDickensville, IN 9...
1	1334	84796	19346 Dulce Forges Suite 161\nWest Gissellevil...
2	2348	83122	3975 Dessie Roads\nWillmsside, ID 83122-9756
3	2699	81868	4908 Romaguera Grove\nSouth Manuelland, KS 81868
4	3789	1521	47020 Pedro Hollow\nLoyton, NE 01521-3370
5	4042	58739	630 Kihn Trail Apt. 011\nZboncakchester, MI 58739
6	5882	41070	918 Halvorson Walk\nLake Aileen, ME 41070
7	6185	88414	076 Joseph Squares\nNew Peter, CA 88414-2584
8	7703	80186	50549 Kohler Junction\nSouth Claudineville, MT...
9	9552	3781	9365 Anderson Trafficway Apt. 667\nSouth Reta,...

```
In [77]: df_3.plot.scatter(x = 'FoodBank_ID', y = 'Zip_code')
```


80000
60000
40000
20000
0
Zip_code
2000
4000
6000
8000
FoodBank_ID