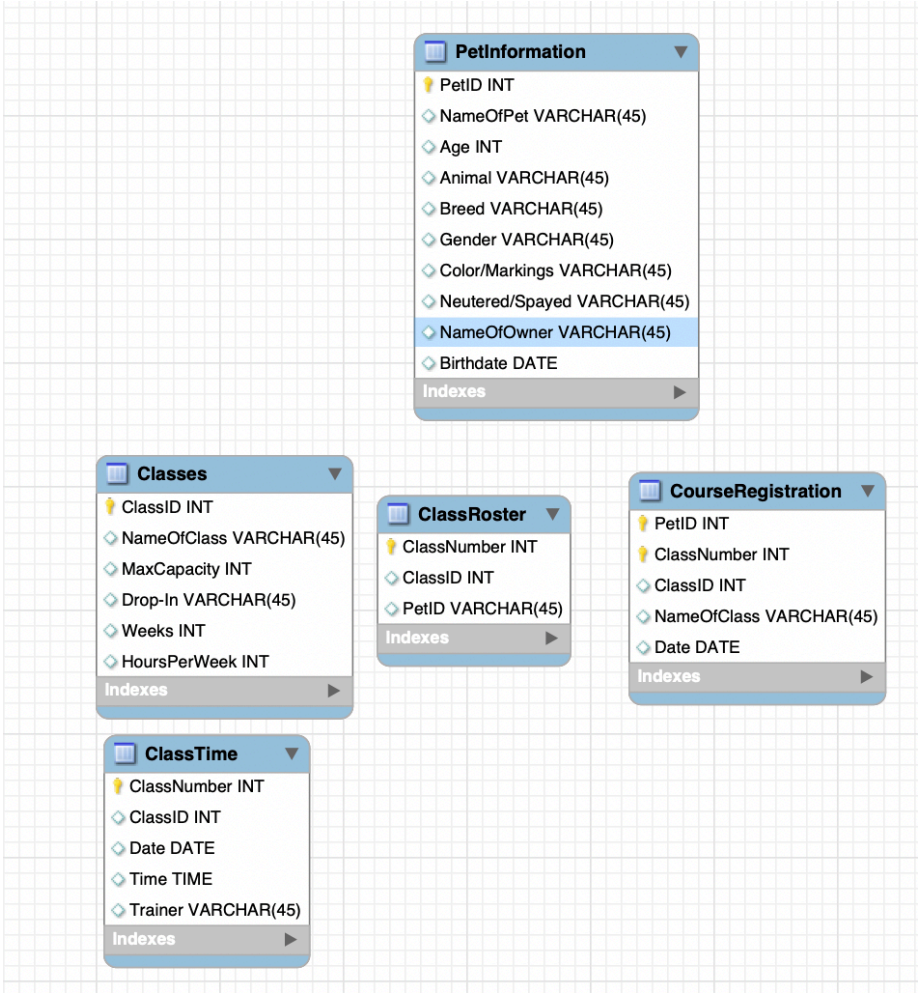
Brandon Glandt
Homework 4
CSCI 3287

1. Complete Data Model

a.



2. DESCRIBE Commands
    a. Desc Classes;
        i.

```
1   desc classes;
```

100% 14:1

Result Grid | Filter Rows: Search | Ex

Field	Type	Null	Key	Default	Extra
ClassID	int	NO	PRI	NULL	
NameOfClass	varchar(45)	YES		NULL	
MaxCapacity	int	YES		NULL	
Drop-In	varchar(45)	YES		NULL	
Weeks	int	YES		NULL	
HoursPerWeek	int	YES		NULL	

b. Desc ClassTime;

i.

```
1   desc ClassTime;
```

100% 15:1

Result Grid | Filter Rows: Search | Exp

Field	Type	Null	Key	Default	Extra
ClassNumber	int	NO	PRI	NULL	
ClassID	int	YES		NULL	
Date	date	YES		NULL	
Time	time	YES		NULL	
Trainer	varchar(45)	YES		NULL	

c. Desc ClassRoster;

i.

```
1   desc ClassRoster;
```

100% 17:1

Result Grid | Filter Rows: Search

Field	Type	Null	Key	Default	Extra
ClassNumber	int	NO	PRI	NULL	
ClassID	int	YES		NULL	
PetID	varchar(45)	YES		NULL	

d. Desc PetInformation;

i.

```
1   desc PetInformation;
```

100% 20:1

Result Grid | Filter Rows: Search | Export

Field	Type	Null	Key	Default	Extra
PetID	int	NO	PRI	NULL	
NameOfPet	varchar(45)	YES		NULL	
Age	int	YES		NULL	
Animal	varchar(45)	YES		NULL	
Breed	varchar(45)	YES		NULL	
Gender	varchar(45)	YES		NULL	
Color/Markings	varchar(45)	YES		NULL	
Neutered/Spayed	varchar(45)	YES		NULL	
NameOfOwner	varchar(45)	YES		NULL	
Birthdate	date	YES		NULL	

e. Desc CourseRegistration;

i.

```
1   desc CourseRegistration;
```

100% 24:1

Result Grid | Filter Rows: Search | Ex

Field	Type	Null	Key	Default	Extra
PetID	int	NO	PRI	NULL	
ClassNumber	int	NO	PRI	NULL	
ClassID	int	YES		NULL	
NameOfClass	varchar(45)	YES		NULL	
Date	date	YES		NULL	

3. SQL
    a. SELECT NameOfOwner, NameOfPet, Animal, Breed, Gender, Birthdate FROM PetInformation;

i.

```
1 • SELECT NameOfOwner, NameOfPet, Animal, Breed, Gender, Birthdate FROM PetInformation;
```

100% 85:1

Result Grid | Filter Rows: Search | Export:

NameOfOwner	NameOfPet	Animal	Breed	Gender	Birthdate
Brandon	Duke	Dog	Labrador	Male	2020-10-31
Darragh	Sage	Dog	Pug	Female	2007-01-10
Darragh	Lilly	Dog	Pug	Female	2018-05-07
Sarah	Daisy	Dog	Boxer	Female	2010-08-07

    b. SELECT DISTINCT ClassTime.Date, ClassTime.Time, ClassTime.Trainer, ClassTime.ClassID, PetInformation.NameOfOwner, PetInformation.NameOfPet FROM ClassTime, ClassRoster, PetInformation;

i.

```
1    Time.Trainer, ClassTime.ClassID, PetInformation.NameOfOwner, PetInformation.NameOfPet FROM ClassTime, ClassRoster, PetInf
```

100% 184:1

Result Grid Filter Rows: Search Export:

Date	Time	Trainer	ClassID	NameOfOwner	NameOfPet
2020-03-30	09:00:00	Shey	1	Brandon	Duke
2020-03-30	09:00:00	Shey	1	Darragh	Sage
2020-03-30	09:00:00	Shey	1	Darragh	Lilly
2020-03-30	09:00:00	Shey	1	Sarah	Daisy
2020-04-01	11:00:00	Marie	1	Brandon	Duke
2020-04-01	11:00:00	Marie	1	Darragh	Sage
2020-04-01	11:00:00	Marie	1	Darragh	Lilly
2020-04-01	11:00:00	Marie	1	Sarah	Daisy
2020-03-30	15:00:00	Steve	2	Brandon	Duke
2020-03-30	15:00:00	Steve	2	Darragh	Sage
2020-03-30	15:00:00	Steve	2	Darragh	Lilly
2020-03-30	15:00:00	Steve	2	Sarah	Daisy
2020-04-07	15:00:00	Steve	2	Brandon	Duke
2020-04-07	15:00:00	Steve	2	Darragh	Sage
2020-04-07	15:00:00	Steve	2	Darragh	Lilly
2020-04-07	15:00:00	Steve	2	Sarah	Daisy
2020-04-01	12:30:00	Marie	3	Brandon	Duke
2020-04-01	12:30:00	Marie	3	Darragh	Sage
2020-04-01	12:30:00	Marie	3	Darragh	Lilly
2020-04-01	12:30:00	Marie	3	Sarah	Daisy
2020-04-07	09:00:00	Shey	3	Brandon	Duke
2020-04-07	09:00:00	Shey	3	Darragh	Sage
2020-04-07	09:00:00	Shey	3	Darragh	Lilly
2020-04-07	09:00:00	Shey	3	Sarah	Daisy