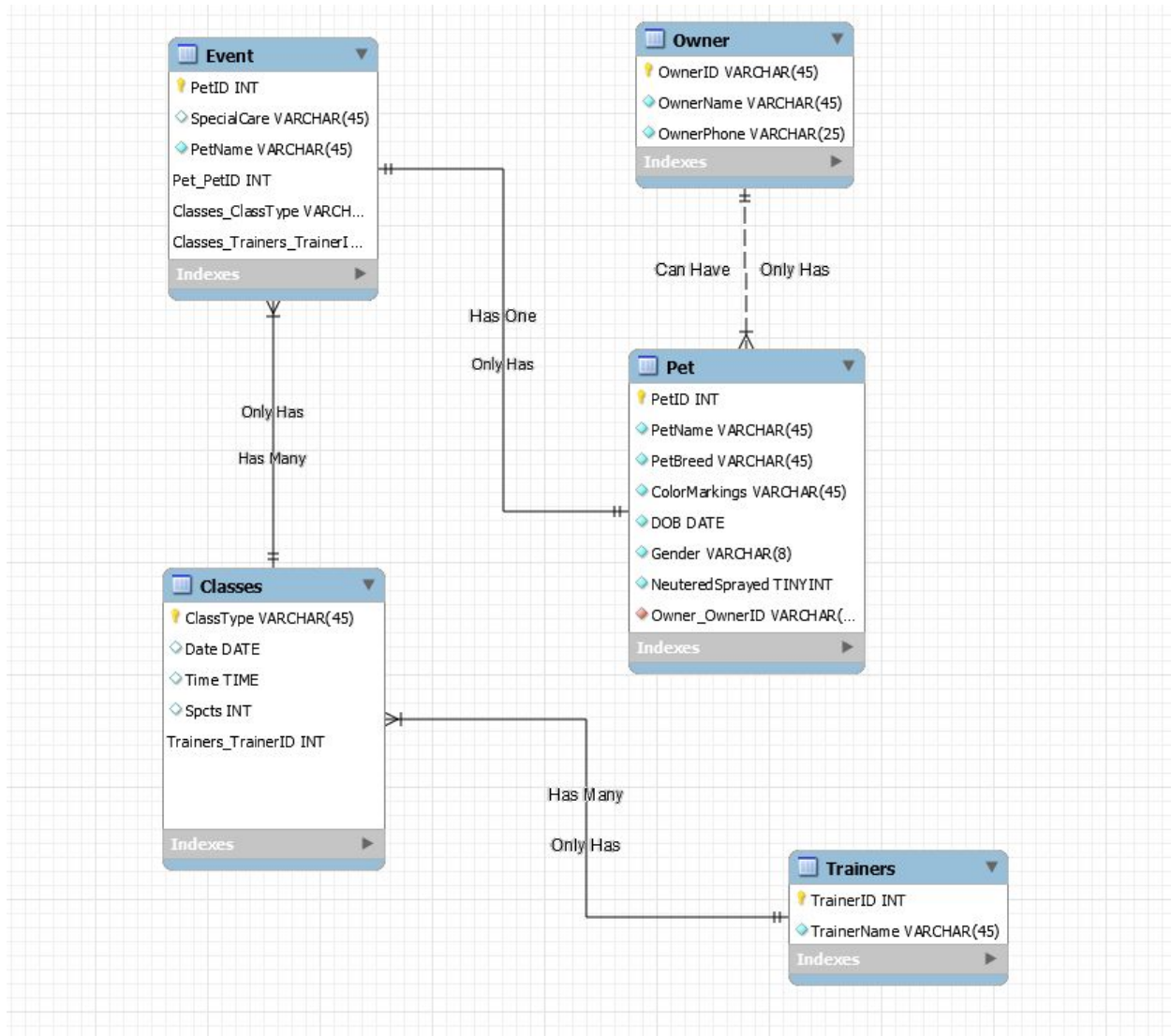


Daniel Kim
Homework 4



Describe Owner Table Output

	Field	Type	Null	Key	Default	Extra
►	OwnerID	varchar(45)	NO	PRI	NULL	
	OwnerName	varchar(45)	NO		NULL	
	OwnerPhone	varchar(25)	NO		NULL	

Describe Pet Table Output

	Field	Type	Null	Key	Default	Extra
►	PetID	int(11)	NO	PRI	NULL	auto_increment
	PetName	varchar(45)	NO		NULL	
	PetBreed	varchar(45)	NO		NULL	
	ColorMarkings	varchar(45)	NO		NULL	
	DOB	date	NO		NULL	
	Gender	varchar(8)	NO		NULL	
	NeuteredSprayed	tinyint(4)	NO		NULL	
	Owner_OwnerID	varchar(45)	NO	MUL	NULL	

Describe Event Table Output

	Field	Type	Null	Key	Default	Extra
►	PetID	int(11)	NO	PRI	NULL	
	SpecialCare	varchar(45)	YES		NULL	
	PetName	varchar(45)	NO		NULL	
	Pet_PetID	int(11)	NO	PRI	NULL	
	Classes_ClassType	varchar(45)	NO	PRI	NULL	
	Classes_Trainers_TrainerID	int(11)	NO	PRI	NULL	

Describe Classes Table Output

	Field	Type	Null	Key	Default	Extra
►	ClassType	varchar(45)	NO	PRI	NULL	
	Date	date	YES		NULL	
	Time	time	YES		NULL	
	Spcts	int(11)	YES		NULL	
	Trainers_TrainerID	int(11)	NO	PRI	NULL	

Describe Trainers Table Output

	Field	Type	Null	Key	Default	Extra
►	TrainerID	int(11)	NO	PRI	NULL	
	TrainerName	varchar(45)	NO		NULL	

A list of Owners and Pets showing the owner name, pet name, breed, gender, date of birth

```

1 • Select a.OwnerName, r.PetName, r.PetBreed, r.Gender, r.DOB
2       From Owner a, Pet r
3       Where a.OwnerID = r.Owner_OwnerID;

```

	OwnerName	PetName	PetBreed	Gender	DOB
►	Lily Kim	Sarah	Shiba Inu	Female	1960-12-01
	Daniel Kim	Ben	Bulldog	Male	1994-05-15
	KanielDim	Sam	Pug	Male	1933-03-13
	Thorn Lin	Yoon	Husky	Female	1993-06-12

A list of Upcoming Training Events showing the date, time, trainer, event type, owner, pet

```

1
2 • SELECT Classes.Date, Classes.Time, Trainers.TrainerName, Classes.ClassType, Owner.OwnerName, Pet.PetName
3       FROM Classes
4       INNER JOIN Trainers ON Classes.Trainers_TrainerID = Trainers.TrainerID
5       INNER JOIN Event ON Event.Classes_ClassType = Classes.ClassType
6       INNER JOIN Pet ON Pet_PetID = Event.Pet_PetID
7       INNER JOIN Owner ON Pet.Owner_OwnerID = Owner_OwnerID;
8

```

	Date ▲	Time	TrainerName	ClassType ▲	OwnerName	PetName
	2020-01-23	12:00:00	Shey	Basic Skills	Daniel Kim	Ben
	2020-01-30	12:00:00	Marie	Walk-Train-Play	KanielDim	Sam
	2020-02-07	12:00:00	Marie	Off-Leash Operation	Thorn Lin	Yoon
	2020-02-21	12:00:00	Benson	Do Not Bite Training	Lily Kim	Sarah
	2020-02-29	12:00:00	Samuel	Home Training	Daniel Kim	Ben

```
-- MySQL Script generated by MySQL Workbench
-- Sat Mar 21 20:33:33 2020
-- Model: New Model    Version: 1.0
-- MySQL Workbench Forward Engineering
```

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO
_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
```

```
-- -----
-- Schema mydb
-- -----
```

```
-- -----
-- Schema mydb
-- -----
```

```
CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;
USE `mydb` ;
```

```
-- -----
-- Table `mydb`.`Owner`
-- -----
```

```
DROP TABLE IF EXISTS `mydb`.`Owner` ;
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Owner` (
  `OwnerID` VARCHAR(45) NOT NULL,
  `OwnerName` VARCHAR(45) NOT NULL,
  `OwnerPhone` VARCHAR(25) NOT NULL,
  PRIMARY KEY (`OwnerID`))
ENGINE = InnoDB;
```

```
-- -----
-- Table `mydb`.`Pet`
-- -----
```

```
DROP TABLE IF EXISTS `mydb`.`Pet` ;
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Pet` (
  `PetID` INT NOT NULL AUTO_INCREMENT,
  `PetName` VARCHAR(45) NOT NULL,
```

```

`PetBreed` VARCHAR(45) NOT NULL,
`ColorMarkings` VARCHAR(45) NOT NULL,
`DOB` DATE NOT NULL,
`Gender` VARCHAR(8) NOT NULL,
`NeuteredSprayed` TINYINT NOT NULL,
`Owner_OwnerID` VARCHAR(45) NOT NULL,
PRIMARY KEY (`PetID`),
CONSTRAINT `fk_Pet_Owner`
  FOREIGN KEY (`Owner_OwnerID`)
  REFERENCES `mydb`.`Owner` (`OwnerID`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Pet_Owner_idx` ON `mydb`.`Pet` (`Owner_OwnerID` ASC) VISIBLE;

```

```

-----
-- Table `mydb`.`Trainers`
-----

DROP TABLE IF EXISTS `mydb`.`Trainers` ;

CREATE TABLE IF NOT EXISTS `mydb`.`Trainers` (
  `TrainerID` INT NOT NULL,
  `TrainerName` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`TrainerID`))
ENGINE = InnoDB;

```

```

-----
-- Table `mydb`.`Classes`
-----

DROP TABLE IF EXISTS `mydb`.`Classes` ;

CREATE TABLE IF NOT EXISTS `mydb`.`Classes` (
  `ClassType` VARCHAR(45) NOT NULL,
  `Date` DATE NULL,
  `Time` TIME NULL,
  `Spcts` INT NULL,
  `Trainers_TrainerID` INT NOT NULL,
  PRIMARY KEY (`ClassType`, `Trainers_TrainerID`),
  CONSTRAINT `fk_Classes_Trainers1`
    FOREIGN KEY (`Trainers_TrainerID`)

```

```
REFERENCES `mydb`.`Trainers` (`TrainerID`)
ON DELETE NO ACTION
ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Classes_Trainers1_idx` ON `mydb`.`Classes` (`Trainers_TrainerID` ASC)
VISIBLE;
```

```
-----
-- Table `mydb`.`Event`
-----
```

```
DROP TABLE IF EXISTS `mydb`.`Event` ;
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Event` (
  `PetID` INT NOT NULL,
  `SpecialCare` VARCHAR(45) NULL,
  `PetName` VARCHAR(45) NOT NULL,
  `Classes_ClassType` VARCHAR(45) NOT NULL,
  `Classes_Trainers_TrainerID` INT NOT NULL,
  `Pet_PetID` INT NOT NULL,
  PRIMARY KEY (`PetID`, `Classes_ClassType`, `Classes_Trainers_TrainerID`, `Pet_PetID`),
  CONSTRAINT `fk_Event_Classes1`
    FOREIGN KEY (`Classes_ClassType`, `Classes_Trainers_TrainerID`)
      REFERENCES `mydb`.`Classes` (`ClassType`, `Trainers_TrainerID`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT `fk_Event_Pet1`
    FOREIGN KEY (`Pet_PetID`)
      REFERENCES `mydb`.`Pet` (`PetID`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Event_Classes1_idx` ON `mydb`.`Event` (`Classes_ClassType` ASC,
`Classes_Trainers_TrainerID` ASC) VISIBLE;
```

```
CREATE INDEX `fk_Event_Pet1_idx` ON `mydb`.`Event` (`Pet_PetID` ASC) VISIBLE;
```

```
SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

