Owner
- 🔑 OwnerID INT
- 🔹 OwnerName VARCHAR(45)
- 🔹 OwnerPhone BIGINT(10)

Indexes

Pet
- 🔑 PetID INT
- 🔹 PetName VARCHAR(45)
- 🔹 PetBreed VARCHAR(45)
- 🔹 ColorMarkings VARCHAR(45)
- 🔹 DateOfBirth DATE
- 🔹 Gender VARCHAR(45)
- 🔹 NeuteredSpayed VARCHAR(45)
- 🔴 OwnerID INT

Indexes

PetVisit
- 🔑 VisitId INT
- 🔑 PetID INT
- 🔹 VisitDate DATE
- 🔹 VisitWeight DECIMAL(9,2)
- 🔹 VisitTemp DECIMAL(9,2)
- 🔹 VisitBP DECIMAL(9,2)
- 🔹 VisitPulse INT
- 🔹 VisitRespiration INT
- 🔹 VisitPain INT
- 🔹 VetInitials VARCHAR(45)
- 🔹 FecalExamResult VARCHAR(45)
- 🔹 FecalExamNotes VARCHAR(45)
- 🔹 HeartwormTestResult VARCHAR(45)
- 🔹 HeartwormTestNotes VARCHAR(45)
- 🔹 AllergyName1 VARCHAR(45)
- 🔹 AllergyNotes1 VARCHAR(45)
- 🔹 AllergyName2 VARCHAR(45)
- 🔹 AllergyNotes2 VARCHAR(45)
- 🔹 HeartwormPreventionFlag VARCHAR(45)
- 🔹 HeartwormPreventionNotes VARCHAR(45)
- 🔹 PercentOutdoors DECIMAL(9,2)
- 🔹 DietDescription VARCHAR(45)
- 🔹 OwnerSigned VARCHAR(45)
- PetID INT

Indexes

PetSurgery
- 🔑 SurgeryID INT
- 🔑 PetID INT
- 🔹 SurgeryDate DATE
- 🔹 SurgeryDetails VARCHAR(45)
- 🔹 SurgeryNotes VARCHAR(45)
- PetID INT

Indexes

PetImmunization
- 🔑 ImmuneID INT
- 🔑 PetID INT
- 🔹 VaccineDate DATE
- 🔹 VaccineNextDue DATE
- Pet_PetID INT
- VaccineType VARCHAR(45)

Indexes

Vaccine
- 🔑 VaccineType VARCHAR(45)
- 🔹 VaccineDescription VARCHAR(45)

Indexes

has a
owns a

is for
can have

is given to a
is taken to have

is for a
is given

requires a
is given for

```
-- MySQL Script generated by MySQL Workbench

-- Thu Sep 24 15:48:16 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';




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


CREATE TABLE IF NOT EXISTS `mydb`.`Owner` (
  `OwnerID` INT NOT NULL AUTO_INCREMENT,
```

```sql
  `OwnerName` VARCHAR(45) NOT NULL,

  `OwnerPhone` BIGINT(10) 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,

  `DateOfBirth` DATE NOT NULL,

  `Gender` VARCHAR(45) NOT NULL,

  `NeuteredSpayed` VARCHAR(45) NOT NULL,

  `OwnerID` INT NULL,

  PRIMARY KEY (`PetID`),
```

```
  CONSTRAINT `fk_Pet_Owner`

  FOREIGN KEY (`OwnerID`)

  REFERENCES `mydb`.`Owner` (`OwnerID`)

  ON DELETE NO ACTION

  ON UPDATE NO ACTION)

ENGINE = InnoDB;


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



-- -----------------------------------------------------

-- Table `mydb`.`PetVisit`

-- -----------------------------------------------------

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


CREATE TABLE IF NOT EXISTS `mydb`.`PetVisit` (

  `VisitId` INT NOT NULL AUTO_INCREMENT,

  `PetID` INT NOT NULL,

  `VisitDate` DATE NOT NULL,

  `VisitWeight` DECIMAL(9,2) NOT NULL,

  `VisitTemp` DECIMAL(9,2) NOT NULL,
```

```sql
`VisitBP` DECIMAL(9,2) NOT NULL,

`VisitPulse` INT NOT NULL,

`VisitRespiration` INT NOT NULL,

`VisitPain` INT NULL,

`VetInitials` VARCHAR(45) NOT NULL,

`FecalExamResult` VARCHAR(45) NULL,

`FecalExamNotes` VARCHAR(45) NULL,

`HeartwormTestResult` VARCHAR(45) NULL,

`HeartwormTestNotes` VARCHAR(45) NULL,

`AllergyName1` VARCHAR(45) NULL,

`AllergyNotes1` VARCHAR(45) NULL,

`AllergyName2` VARCHAR(45) NULL,

`AllergyNotes2` VARCHAR(45) NULL,

`HeartwormPreventionFlag` VARCHAR(45) NOT NULL,

`HeartwormPreventionNotes` VARCHAR(45) NULL,

`PercentOutdoors` DECIMAL(9,2) NOT NULL,

`DietDescription` VARCHAR(45) NOT NULL,

`OwnerSigned` VARCHAR(45) NOT NULL,

`PetID` INT NOT NULL,

PRIMARY KEY (`VisitId`, `PetID`, `PetID`),

CONSTRAINT `fk_PetVisit_Pet1`
```

```
    FOREIGN KEY (`PetID`)
    REFERENCES `mydb`.`Pet` (`PetID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


CREATE INDEX `fk_PetVisit_Pet1_idx` ON `mydb`.`PetVisit` (`PetID` ASC) VISIBLE;




-- -------------------------------------------------
-- Table `mydb`.`Vaccine`
-- -------------------------------------------------
DROP TABLE IF EXISTS `mydb`.`Vaccine` ;


CREATE TABLE IF NOT EXISTS `mydb`.`Vaccine` (
  `VaccineType` VARCHAR(45) NOT NULL,
  `VaccineDescription` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`VaccineType`))
ENGINE = InnoDB;


CREATE UNIQUE INDEX `VaccineType_UNIQUE` ON `mydb`.`Vaccine` (`VaccineType` ASC) VISIBLE;
```

-- ---

-- Table `mydb`.`PetImmunization`

-- ---

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

CREATE TABLE IF NOT EXISTS `mydb`.`PetImmunization` (

  `ImmuneID` INT NOT NULL AUTO_INCREMENT,

  `PetID` INT NOT NULL,

  `VaccineDate` DATE NOT NULL,

  `VaccineNextDue` DATE NOT NULL,

  `Pet_PetID` INT NOT NULL,

  `VaccineType` VARCHAR(45) NOT NULL,

  PRIMARY KEY (`ImmuneID`, `PetID`, `Pet_PetID`, `VaccineType`),

  CONSTRAINT `fk_PetImmunization_Pet1`

   FOREIGN KEY (`Pet_PetID`)

   REFERENCES `mydb`.`Pet` (`PetID`)

   ON DELETE NO ACTION

   ON UPDATE NO ACTION,

  CONSTRAINT `fk_PetImmunization_Vaccine1`

```
  FOREIGN KEY (`VaccineType`)

  REFERENCES `mydb`.`Vaccine` (`VaccineType`)

  ON DELETE NO ACTION

  ON UPDATE NO ACTION)

ENGINE = InnoDB;


CREATE INDEX `fk_PetImmunization_Pet1_idx` ON `mydb`.`PetImmunization` (`Pet_PetID` ASC) VISIBLE;


CREATE INDEX `fk_PetImmunization_Vaccine1_idx` ON `mydb`.`PetImmunization` (`VaccineType` ASC) VISIBLE;



-- ---------------------------------------------------

-- Table `mydb`.`PetSurgery`

-- ---------------------------------------------------

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


CREATE TABLE IF NOT EXISTS `mydb`.`PetSurgery` (

 `SurgeryID` INT NOT NULL AUTO_INCREMENT,

 `PetID` INT NOT NULL,

 `SurgeryDate` DATE NOT NULL,

 `SurgeryDetails` VARCHAR(45) NOT NULL,
```

```sql
  `SurgeryNotes` VARCHAR(45) NOT NULL,

  `PetID` INT NOT NULL,

  PRIMARY KEY (`SurgeryID`, `PetID`, `PetID`),

  CONSTRAINT `fk_PetSurgery_Pet1`

    FOREIGN KEY (`PetID`)

    REFERENCES `mydb`.`Pet` (`PetID`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB;


CREATE INDEX `fk_PetSurgery_Pet1_idx` ON `mydb`.`PetSurgery` (`PetID` ASC) VISIBLE;



SET SQL_MODE=@OLD_SQL_MODE;

SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;

SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```