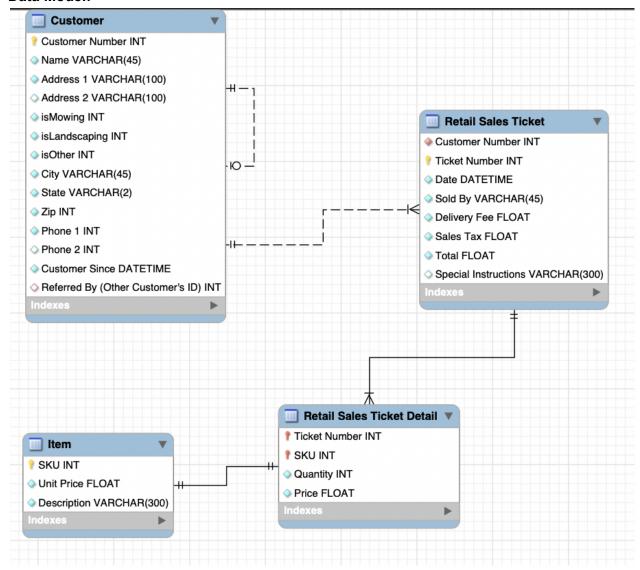
Data Model:



DDL:

-- 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 `mvdb`.`Customer`
  _____
CREATE TABLE IF NOT EXISTS 'mydb'. 'Customer' (
 'Customer Number' INT NOT NULL AUTO INCREMENT,
 'Name' VARCHAR(45) NOT NULL,
 `Address 1` VARCHAR(100) NOT NULL,
 `Address 2` VARCHAR(100) NULL,
 'isMowing' INT NOT NULL,
 'isLandscaping' INT NOT NULL,
 'isOther' INT NOT NULL,
 'City' VARCHAR(45) NOT NULL,
 'State' VARCHAR(2) NOT NULL,
 'Zip' INT NOT NULL,
 'Phone 1' INT NOT NULL,
 'Phone 2' INT NULL.
 'Customer Since' DATETIME NOT NULL.
 `Referred By (Other Customer's ID)` INT NULL,
 PRIMARY KEY ('Customer Number'),
 UNIQUE INDEX 'Customer Number_UNIQUE' ('Customer Number' ASC) VISIBLE,
 INDEX `fk_Customer_Customer_idx` (`Referred By (Other Customer's ID)` ASC) VISIBLE,
 CONSTRAINT `fk_Customer_Customer`
  FOREIGN KEY ('Referred By (Other Customer's ID)')
  REFERENCES 'mydb'.'Customer' ('Customer Number')
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;
-- Table `mydb`.`Retail Sales Ticket`
CREATE TABLE IF NOT EXISTS 'mydb'. 'Retail Sales Ticket' (
 `Customer Number` INT NOT NULL,
```

'Ticket Number' INT NOT NULL,

```
'Date' DATETIME NOT NULL.
 'Sold By' VARCHAR(45) NOT NULL,
 'Delivery Fee' FLOAT NOT NULL,
 'Sales Tax' FLOAT NOT NULL,
 'Total' FLOAT NOT NULL,
 'Special Instructions' VARCHAR(300) NULL,
 INDEX 'fk Retail Sales Ticket Customer1 idx' ('Customer Number' ASC) VISIBLE,
 UNIQUE INDEX 'Customer Number_UNIQUE' ('Customer Number' ASC) VISIBLE,
 PRIMARY KEY ('Ticket Number'),
 UNIQUE INDEX 'Ticket Number UNIQUE' ('Ticket Number' ASC) VISIBLE,
 CONSTRAINT `fk Retail Sales Ticket Customer1`
  FOREIGN KEY ('Customer Number')
  REFERENCES 'mydb'.'Customer' ('Customer Number')
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;
-- Table `mydb`.`Item`
CREATE TABLE IF NOT EXISTS 'mydb'.'Item' (
 'SKU' INT NOT NULL,
 'Unit Price' FLOAT NOT NULL,
 'Description' VARCHAR(300) NOT NULL,
 PRIMARY KEY ('SKU'))
ENGINE = InnoDB;
-- Table 'mydb'. 'Retail Sales Ticket Detail'
CREATE TABLE IF NOT EXISTS 'mydb'. 'Retail Sales Ticket Detail' (
 `Ticket Number` INT NOT NULL,
 'SKU' INT NOT NULL,
 'Quantity' INT NOT NULL,
 'Price' FLOAT NOT NULL,
 INDEX `fk_Retail Sales Ticket Detail_Retail Sales Ticket1 idx` (`Ticket Number` ASC)
VISIBLE,
 PRIMARY KEY ('Ticket Number', 'SKU'),
 INDEX 'fk Retail Sales Ticket Detail Item1 idx' ('SKU' ASC) VISIBLE,
 CONSTRAINT `fk_Retail Sales Ticket Detail_Retail Sales Ticket1`
  FOREIGN KEY ('Ticket Number')
  REFERENCES 'mydb'. 'Retail Sales Ticket' ('Ticket Number')
```

ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `fk_Retail Sales Ticket Detail_Item1`
FOREIGN KEY (`SKU`)
REFERENCES `mydb`.`Item` (`SKU`)
ON DELETE NO ACTION
ON UPDATE NO ACTION)
ENGINE = InnoDB;

SET SQL_MODE=@OLD_SQL_MODE; SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS; SET UNIQUE CHECKS=@OLD UNIQUE CHECKS;

Assumptions:

- Customer Number and Ticket Number are surrogate keys.
- Customer Number was created to serve as a primary key and uniquely identify each Customer.
- Ticket Number was created to serve as a primary key and uniquely identify each Retail Sales Ticket.
- Customer Number and Ticket Number are both assumed to be auto incremented.
- Each Item is assumed to already have its own SKU