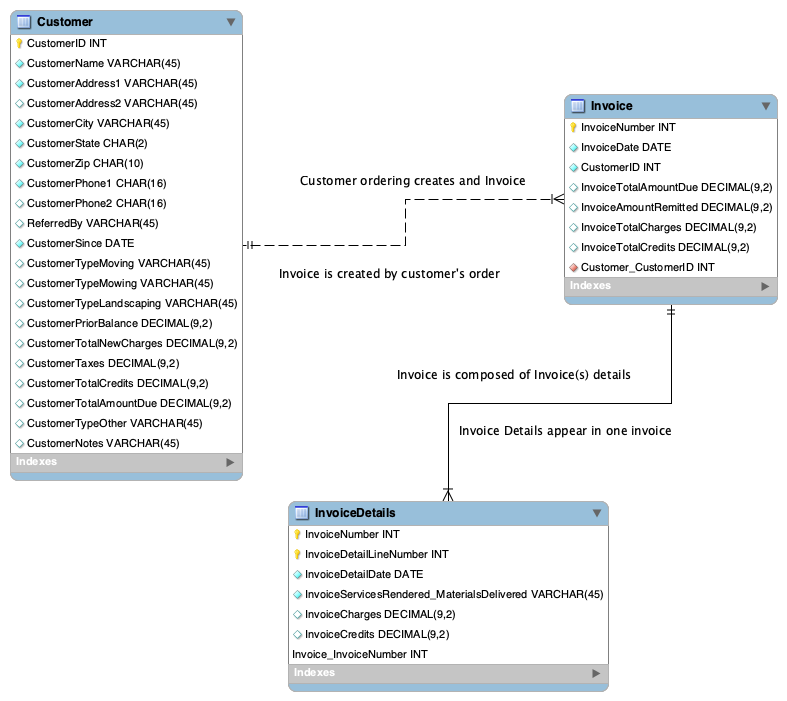
**Erika Bailon – Homework #2 CSCI 3287**



-- MySQL Script generated by MySQL Workbench

-- Sat Sep 28 14:15:37 2019

-- 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`.`Customer`

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

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

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

`CustomerID` INT NOT NULL AUTO\_INCREMENT,

`CustomerName` VARCHAR(45) NOT NULL,

`CustomerAddress1` VARCHAR(45) NOT NULL,

`CustomerAddress2` VARCHAR(45) NULL,

`CustomerCity` VARCHAR(45) NOT NULL,

`CustomerState` CHAR(2) NOT NULL,

`CustomerZip` CHAR(10) NOT NULL,

`CustomerPhone1` CHAR(16) NOT NULL,

`CustomerPhone2` CHAR(16) NULL,

`ReferredBy` VARCHAR(45) NULL,

`CustomerSince` DATE NOT NULL,

`CustomerTypeMoving` VARCHAR(45) NULL,

`CustomerTypeMowing` VARCHAR(45) NULL,

`CustomerTypeLandscaping` VARCHAR(45) NULL,

`CustomerPriorBalance` DECIMAL(9,2) NULL,

`CustomerTotalNewCharges` DECIMAL(9,2) NULL,

`CustomerTaxes` DECIMAL(9,2) NULL,

`CustomerTotalCredits` DECIMAL(9,2) NULL,

`CustomerTotalAmountDue` DECIMAL(9,2) NULL,

`CustomerTypeOther` VARCHAR(45) NULL,

`CustomerNotes` VARCHAR(45) NULL,

PRIMARY KEY (`CustomerID`))

ENGINE = InnoDB;

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

-- Table `mydb`.`Invoice`

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

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

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

`InvoiceNumber` INT NOT NULL AUTO\_INCREMENT,

`InvoiceDate` DATE NOT NULL,

`CustomerID` INT NOT NULL,

`InvoiceTotalAmountDue` DECIMAL(9,2) NULL,

`InvoiceAmountRemitted` DECIMAL(9,2) NULL,

`InvoiceTotalCharges` DECIMAL(9,2) NULL,

`InvoiceTotalCredits` DECIMAL(9,2) NULL,

`Customer\_CustomerID` INT NOT NULL,

PRIMARY KEY (`InvoiceNumber`),

CONSTRAINT `fk\_Incoice\_Customer`

FOREIGN KEY (`Customer\_CustomerID`)

REFERENCES `mydb`.`Customer` (`CustomerID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_Incoice\_Customer\_idx` ON `mydb`.`Invoice` (`Customer\_CustomerID` ASC) VISIBLE;

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

-- Table `mydb`.`InvoiceDetails`

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

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

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

`InvoiceNumber` INT NOT NULL,

`InvoiceDetailLineNumber` INT NOT NULL,

`InvoiceDetailDate` DATE NOT NULL,

`InvoiceServicesRendered\_MaterialsDelivered` VARCHAR(45) NOT NULL,

`InvoiceCharges` DECIMAL(9,2) NULL,

`InvoiceCredits` DECIMAL(9,2) NULL,

`Invoice\_InvoiceNumber` INT NOT NULL,

PRIMARY KEY (`InvoiceNumber`, `InvoiceDetailLineNumber`, `Invoice\_InvoiceNumber`),

CONSTRAINT `fk\_InvoiceDetails\_Invoice1`

FOREIGN KEY (`Invoice\_InvoiceNumber`)

REFERENCES `mydb`.`Invoice` (`InvoiceNumber`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_InvoiceDetails\_Invoice1\_idx` ON `mydb`.`InvoiceDetails` (`Invoice\_InvoiceNumber` ASC) VISIBLE;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;

**List of Assumptions**

* I assumed we might have international customers so then some might have LADA on the phone numbers, hence the length of the phone CHAR
* For some reason the key in the ‘InvoiceDetails’ table doesn’t show up I don’t know why or what settings are wrong. I remember Paradise saying something about not showing on his tables sometimes either.