Customer and Order-

Minimum no of ordrs a customer can have is zero

Max – no of orders a customer can have is infinite so many

Minimum number of customers an order may have – a specific order can have 1 and only 1 customer

Orders and products

A certain order can have how amny product, has to have 1 but lots of different product can be comprised of many orders

A product can be apart of noorders but also many orders so zero to many

Primary key – makes each row in that table distinguishable from the next so in the customer table this will be the customer ID

Never null

Never changing

Unique

CREATE TABLE `Orders` (

`OrderID` int NOT NULL AUTO\_INCREMENT,

`CustomerID` int NOT NULL,

`ProductID` int,

`Order\_Date` datetime,

PRIMARY KEY (`OrderID`),

KEY `FK` (`CustomerID`, `ProductID`)

);

CREATE TABLE `Products` (

`ProductID` int NOT NULL AUTO\_INCREMENT,

`Quantity` int,

`Product\_Name` varchar(50) NOT NULL,

PRIMARY KEY (`ProductID`)

);

CREATE TABLE `Customers` (

`First Name` varchar(50),

`Last Name` varchar(50),

`Email` varchar(50),

`CustomerID` int NOT NULL AUTO\_INCREMENT,

`Phone` varchar(11),

PRIMARY KEY (`CustomerID`)

);

Productcontroller which implimetns customer and take s product

Do product first

Look at order

Create an order pulling in data from two tables

Mycustomermysql need to update to make sure they are equal

Might need a 4th table

In the

create table if not exists ims.customers(id int primary key auto\_increment, first\_name varchar(40), last\_name varchar(40), email varchar(40), phone varchar(11);

create database if not exists ims;

create table if not exists ims.customers(id int primary key auto\_increment, first\_name varchar(40), last\_name varchar(40));

create table if not exists ims.orders(order\_id int primary key auto\_increment, id int NOT NULL, product\_id int NOT NULL, CONSTRAINT FK\_CustomerOrder FOREIGN KEY (id) REFERENCES ims.customers (id), CONSTRAINT FK\_ProductOrder FOREIGN KEY (product\_id) REFERENCES ims.product (id));

create table if not exists ims.product(product\_id int primary key auto\_increment, product\_name varchar(40), price int);

CREATE TABLE if not exists [ims.customers] (

[First Name] varchar(50),

[Last Name] varchar(50),

[Email] varchar(50),

[CustomerID] int,

[Phone] varchar(11),

PRIMARY KEY ([CustomerID])

);

CREATE TABLE [Products] (

[ProductID] int,

[Quantity] int,

[Product\_Name] varchar(50),

PRIMARY KEY ([ProductID])

);

CREATE TABLE [Orders] (

[OrderID] int,

[CustomerID] int,

[ProductID] int,

[Order\_Date] datetime,

PRIMARY KEY ([OrderID])

);

CREATE INDEX [FK] ON [Orders] ([CustomerID], [ProductID]);