Lee Moriarity

Professor Kelly

CIS 245 ONL01

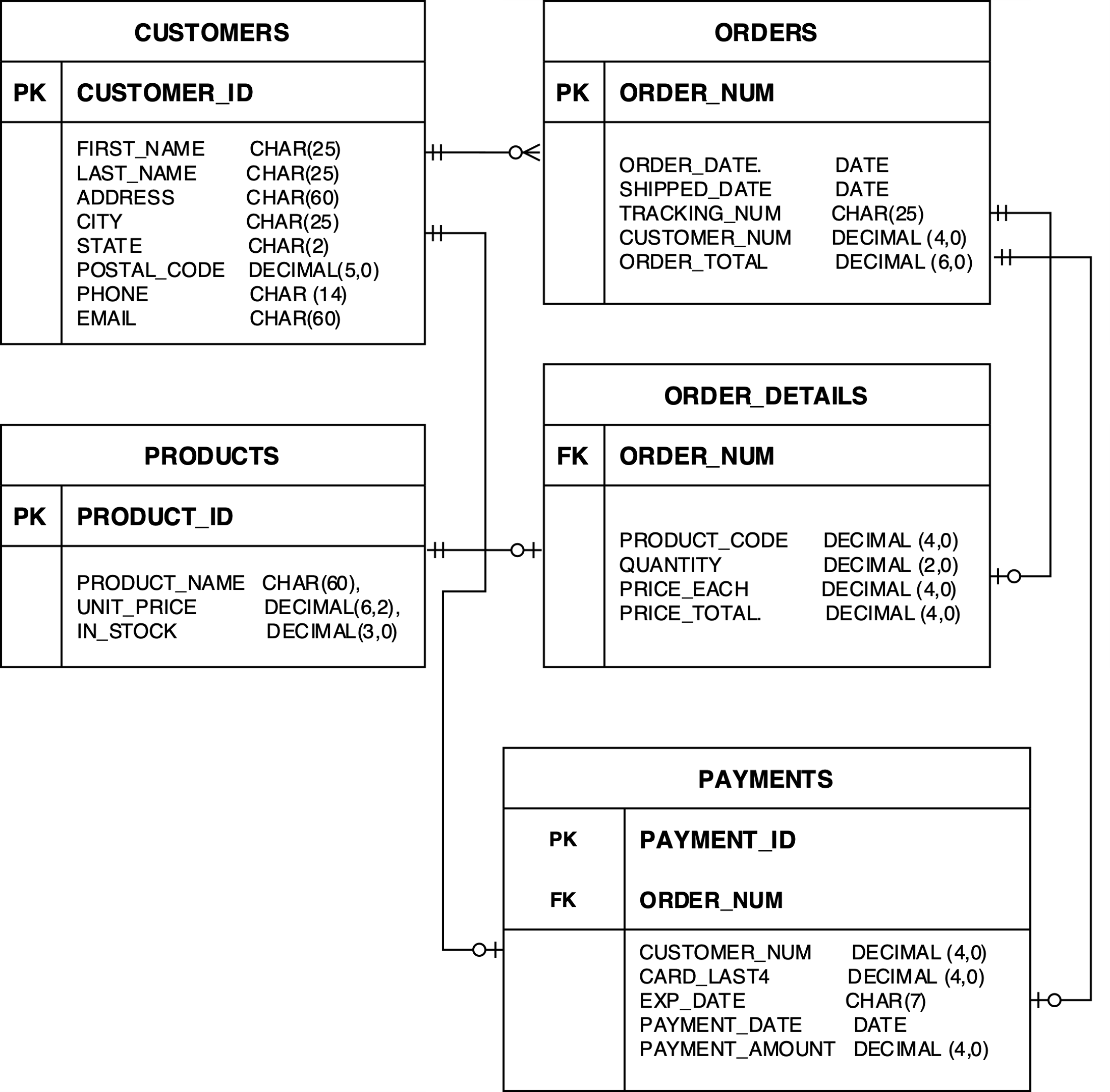
13 December 2022

Final Project

Shape, logo

Description automatically generated

For my Database I decided to make a practical database for my girlfriends online crystal business. The database tables include CUSTOMERS, PRODUCTS, ORDERS, ORDER\_DETAILS, and PAYMENTS. I tried to make it functional by focusing on the main aspects of the business which is customers, products, and orders. I ended up having a lot of fun working on this assignment and I hope to implement what I have learned to help develop a simpler website ordering system.



T-SQL Statements

/\* ADD A NEW CUSTOMER - usp\_INSERT\_ CUSTOMER\*/

CREATE PROCEDURE usp\_INSERT\_CUSTOMER

@customerid decimal (4),

@firstname char (25),

@lastname char (25),

@address char (60),

@city char (25),

@state char (2),

@postalcode decimal (5),

@phone char (14),

@email char (60)

AS

BEGIN

INSERT INTO CUSTOMERS(CUSTOMER\_ID, FIRST\_NAME, LAST\_NAME, ADDRESS, CITY, STATE, POSTAL\_CODE, PHONE, EMAIL)

VALUES (@customerid, @firstname, @lastname, @address, @city, @state, @postalcode, @phone, @email)

END

/\* sample use: exec usp\_INSERT\_CUSTOMER … \*/

/\* ADD A NEW PRODUCT - usp\_INSERT\_PRODUCT\*/

CREATE PROCEDURE usp\_INSERT\_PRODUCT

@productid decimal (4),

@productname char (60),

@unitprice decimal (6),

@instock decimal (3)

AS

BEGIN

INSERT INTO PRODUCTS(PROD\_ID, PROD\_NAME, UNIT\_PRICE, IN\_STOCK)

VALUES (@productid, @productname, @unitprice, @instock)

END

/\* sample use: exec usp\_INSERT\_PRODUCT … \*/

/\* ADD A NEW PRODUCT - usp\_INSERT\_PAYMENT\*/

CREATE PROCEDURE usp\_INSERT\_PAYMENT

@paymentid decimal (4),

@customernum decimal (4),

@cardlast4 decimal (4),

@expdate char (7),

@paymentdate date

AS

BEGIN

INSERT INTO PAYMENTS(PAYMENT\_ID, CUSTOMER\_NUM, CARD\_LAST4, EXP\_DATE, PAYMENT\_DATE)

VALUES (@paymentid, @customernum, @cardlast4, @expdate, @paymentdate)

END

/\* sample use: exec usp\_INSERT\_PAYMENT … \*/

/\* DELETE A PRODUCT BY PRODUCT\_ID - usp\_DELETE\_PRODUCT \*/

CREATE PROCEDURE usp\_DELETE\_PRODUCT

@productid decimal (4)

AS DELETE

FROM PRODUCTS

WHERE SERVER\_ID = @productid

/\* sample use: exec usp\_DELETE\_PRODUCT 1 \*/

/\* DELETE A PRODUCT BY PRODUCT\_ID - usp\_DELETE\_PRODUCT \*/

CREATE PROCEDURE usp\_DELETE\_ORDER

@ordernum decimal (4)

AS DELETE

FROM ORDERS, ORDER\_DETAILS, PAYMENTS

WHERE ORDER\_NUM = @ordernum

/\* sample use: exec usp\_DELETE\_ORDER 1004 \*/

/\* DELETE A CUSTOMER BY CUSTOMER\_ID - usp\_DELETE\_CUSTOMER \*/

CREATE PROCEDURE usp\_DELETE\_CUSTOMER

@customerid decimal (4)

AS DELETE

FROM CUSTOMERS

WHERE ORDER\_NUM = @customerid

/\* sample use: exec usp\_DELETE\_CUSTOMER 1002 \*/

/\* DELETE A CUSTOMER BY EMAIL - usp\_DELETE\_CUSTOMER\_EMAIL \*/

CREATE PROCEDURE usp\_DELETE\_CUSTOMER\_EMAIL

@email char (60)

AS DELETE

FROM CUSTOMERS

WHERE EMAIL = @email

/\* sample use: exec usp\_DELETE\_CUSTOMER\_EMAIL ‘donniegee@icloud.com’ \*/

/\* UPDATE CUSTOMER EMAIL - usp\_UPDATE\_CUSTOMER\_EMAIL \*/

CREATE PROCEDURE usp\_UPDATE\_CUSTOMER\_EMAIL

@customerid decimal (4),

@email char (60)

AS

UPDATE CUSTOMERS

SET

EMAIL = @email,

WHERE

CUSTOMER\_ID = @customerid

/\* sample use: exec usp\_UPDATE\_CUSTOMER\_EMAIL ’new@email.com’… \*/

/\* UPDATE CUSTOMER PHONE - usp\_UPDATE\_CUSTOMER\_PHONE \*/

CREATE PROCEDURE usp\_UPDATE\_CUSTOMER\_PHONE

@customerid decimal (4),

@phone char (14)

AS

UPDATE CUSTOMERS

SET

PHONE = @phone,

WHERE

CUSTOMER\_ID = @customerid

/\* sample use: exec usp\_UPDATE\_CUSTOMER\_PHONE ‘555-123-4567’… \*/

/\* UPDATE PRODUCT PRICE - usp\_UPDATE\_PRODUCT\_PRICE \*/

CREATE PROCEDURE usp\_UPDATE\_PRODUCT\_PRICE

@productid decimal (4),

@price decimal (6)

AS

UPDATE PRODUCTS

SET

UNIT\_PRICE = @price,

WHERE

PRODUCT\_ID = @productid

/\* sample use: exec usp\_ UPDATE\_PRODUCT\_PRICE… \*/

/\* UPDATE PRODUCT QUANTITY - usp\_UPDATE\_PRODUCT\_QUANTITY \*/

CREATE PROCEDURE usp\_UPDATE\_PRODUCT\_PRICE

@productid decimal (4),

@instock decimal (3)

AS

UPDATE PRODUCTS

SET

IN\_STOCK = @instock,

WHERE

PRODUCT\_ID = @productid

/\* sample use: exec usp\_ UPDATE\_PRODUCT\_QUANTITY… \*/