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TCSS 445 A

INTERMEDIATE PROJECT

SCHEMA DESIGN

**CUSTOMER TABLE**

C(User\_ID, Fname, Lname, Email, Phone)

User\_ID -> Fname, Lname, Email, Phone

(Email, Phone) -> (Fname, LName)

User\_ID is a primary key, (Email, phone) and User\_ID are candidate keys. This table is normalized.

**COMPUTER TABLE**

CO(UPC, Type, Qty\_InStock, Qty\_Sold, Description, Price)

UPC -> Type, Description, Price, Qty\_InStock, Qty\_Sold

Type ->-> Price, Description ->-> Type

UPC is a primary key, also be a candidate key as well Description. Already normalized.

**ORDER\_ITEM TABLE**

ORDER\_ITEM(User\_ID, Order\_ID, UPC, Item\_Price, Quantity, Extended\_Price)

Order\_Id ->UPC, Item\_Description

(User\_ID + UPC) -> Order\_ID, Item\_Description, Quantity, Item\_Price, Extended\_Price

UPC -> Item\_Price

Item\_Price + Quantity -> Extended\_Price

User\_Id + UPC is a primary key, Order\_ID is a candidate key. Already normalized.

**ORDER TABLE**

ORDER(Order\_No, BillingName, BillingAddress, BillingCity, BillingState, BillingZip, Phone, Item\_Description, Sub\_Total, Shipping, Tax, TotalCost)

Order\_No is a primary key

**CHECKOUT TABLE**

CHECKOUT(PaymentID, Order\_No, TotalPrice, PaymentOption)

Payment\_ID is a primary key , Order\_No is a candidate key.

**RATINGS TABLE**

RATING(RATING\_ID, User\_ID, UPC, Comments, Rating\_Stars)

RATING\_ID is a primary and a candidate key.