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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.