

Jacob Kurbis (Z1945650)

CSCI 466 Section 1

Assignment 4: ER Diagram to Third Normal Form

Customer(Name, Address, Email)

Order(OrderNum, Date, Name[†])

Name is a foreign key that has a home relation to Customer

Was Ordered In(ItemID[†], OrderNum[†], Quantity)

ItemID is a foreign key that has a home relation to Product

OrderNum is a foreign key that has a home relationship to Order

Product(ItemID, Color, Description, Dimensions, Weight)

Holds(ItemID[†], ID[†], Quantity)

ItemID is a foreign key that has a home relation to Product

ID is a foreign key that has a home relation to Warehouse

Warehouse(ID, Address, Manager, City[†], State[†])

City is a foreign key that has a home relation to City

State is a foreign key that has a home relation to City

City(State, City, Headquarters)

Is Stored In(State[†], City[†], ItemID[†], Quantity)

State is a foreign key that has a home relation to City

City is a foreign key that has a home relation to City

ItemID is a foreign key that has a home relation to Product