

# Relation Normalization Assignment

Tom Kelliher, CS 417

Include enough narrative for me to understand both your thinking and any additional assumptions that you make. This narrative should also defend the reasonableness of your assumptions, if any.

1. Problem 6.4 in the textbook.
2. Problem 6.7 in the textbook, starting from this schema, which you should normalize to BCNF:

Customer(custId, firstName, lastName, street, city, state, zip, areaCode, number, creditLimit)

Supplier(supplierNo, supName, countryCode, areaCode, number, street, city, state, zipOrPostal, country, contactName)

Order(orderNo, date, totalAmount, tax, delToStreet, delToCity, delToState, delToZip, delToAreaCode, delToNumber, *custId*)

Item(itemNo, itemName, unitPrice, qtyOnHand, reorderPoint)

Contains(orderNo, *itemNo*, quantity)

Supplies(supplierNo, *itemNo*, unitCost)

Remember — it's primaryKey and *foreignKey*.