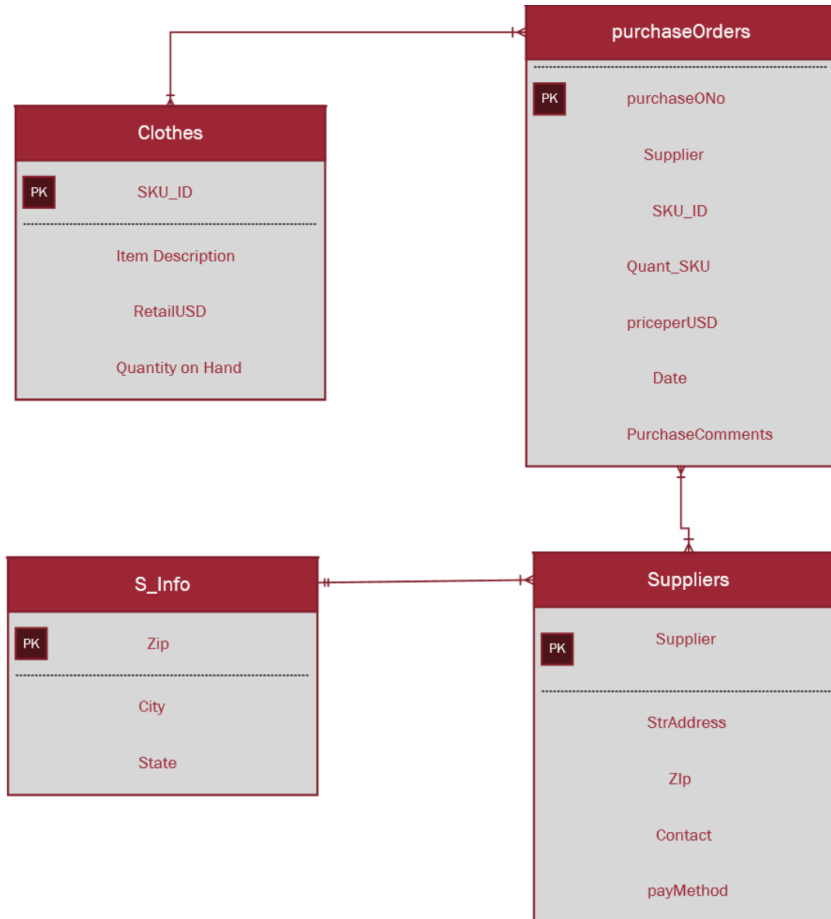


Nicole Rae
Database Systems
Lab 8 – Normalization Two
April 13, 2015

1. E/R Diagram



2. Attached in .sql file
3. Attached in .sql file
4. Functional Dependencies

Clothes:

SKU_ID → item, retailUSD, QOH

(all fields are functionally dependent on SKU_ID, the primary key)

PurchaseOrders:

purchase_ONo → Supplier, SKU_ID, quant_SKU, pricerperUSD, orderDate, purchaseComments. (Purchase order number is the primary key and is the determinant for all of its other fields)

Suppliers:

Supplier → strAddress, Zip, Contact, payMethod

(the supplier only determines the address, zip, contact and payment method.

Both city and state are functionally dependent on the zip code, therefore was placed in a separate table.)

S_Info:

Zip → city, state

(zip code is the determinant for both city and state)

5. Calculation query is within .sql file