

INF 551 – Fall 2016 (Morning)

Quiz 6: Data modeling (10 points)

10 minutes

Consider stores that sell electronic products such as laptops. The following tables record the purchase of products from the. Note that underline indicates the key attributes. Buyers are customers and sellers are salespersons in the stores.

Laptop(SerialNo, OperatingSystem, HardDrive)Product(SerialNo, Brand, Model, Price)Store(ID, Name, City)Purchase(BuyerName, SellerName, StoreID, SerialNo, Date)Person(Name, PhoneNumber, City)

Draw an ER diagram which may be converted into the above tables using the conversion process described in the class. Make sure you indicate the **key** attributes of entity sets, the **multiplicity** and **role** of relationships, the relationships among the entity sets including **is-a** relationships.

