**Homework: ER-to-Relational Mapping**

**This is a team assignment.**

**Work on it with your database design project team.**

**Each team will then deliver one submission on the due date.**

Use the **posted solutions to questions 1 and 2** of the previous (ER) homework and convert each one of the diagram into a skeleton relational database schema using the procedure and notation that we used in class.

Please pay attention to the following:

* Type your solution using **double spacing**.
* You must submit the solutions to both problems.
* I reserve the right to grade either or both of them.
* Express every relation in the form:**R (A, B, C, D, E)**; Underline a primary key for each relation.
* Write the attributes of a composite key adjacent to each other – just like **A, B** in **R (A, B, C, D E)**.
* Submit a printed copy at the beginning of class on the due date.

**Suggestion for self-study:**

*Do not submit your work for the item below, but of course you are more than welcome to talk to me about your conclusions.*

If your solution to the ER homework was different from the posted solution, do the following as a learning opportunity: *Convert your ER to a relational schema & investigate whether the resulting schema serves the application specs.*

Question 1:

Customer (cID, cName, cAddress)

Site (sID, sAddress, customer)

Order (oID, oDate, oCost, customer)

Product (pID, pName, pDescription, unitPrice, poh)

OrderLine(oID, lineNum, qty, delivDate, site, product)

phNum(sID, phoneNumber)

Replaces(product, repProduct)

Question 2:

Pilot(pID, pName)

Aircraft(aID, aType)

Airport(airID, airName)

Flight(date, pID, aID, airID, time)