Design It Assignment.

Review the system subject area you have been assigned. Use the best requirements work available at this time and do a full design. A full design is sufficient to see how the software will work; it leaves only the details of implementation to the programming step.

Complete a full UML class diagram for the system. You must show class name(s), attributes with types, methods with parameters and return types, and some indication of the "cardinality" or relationship between the classes (e.g. Course has 1..n Students). You must include all requirements (even those which may be Optional or Frill for your in the requirements).

Use Visio UML tool as demonstrated in class. Visio is available on the university lab computers and to you *free* from the department as part of the Microsoft Academic Alliance.

Sequence Diagrams are NOT required; however, I suggest you think through one or two key ones to be sure your system works.

You will be graded on completeness and how well you "define the footsteps for the programmer to follow". Although there are many ways to make a design, only some of them are complete and show the approach needed fully. Do not leave things for the programmer to invent and guess.

No code, just a solid design!

Grading: 20 points total. -5 to -8 for missing key classes required to make the system work. -3 to -5 for lack of detail in a class (missing key attributes or methods). -3 for wrong or missing cardinality in associations.

V2.0, clarifying requirements for the design using UML, separating out subject area. Spring 2015.
V1.0 (original) W.L.Honig Fall 2012