Assignment #2 (Due: 04/15/10)
http://www.personal.kent.edu/~asamba/tech61095/assignment.html

Answer all questions
(Please type your answers)

1. Sometimes part of a system may be built quickly to demonstrate feasibility or functionality to a customer. This prototype system is usually incomplete; the real system is constructed after the customer and developer evaluate the prototype. Should the system requirements document be written before or after a prototype is developed? Why?  
   [25 points]

2. Write a set of UML models (use-case diagram, MSC diagrams, class diagram) for an online telephone directory to replace the phonebook that is provided to you by your phone company. The directory should be able to provide phone numbers when presented with a name; it should also list area codes for different parts of the country and generate emergency telephone numbers for your area  
   [25 points]

3. Draw data-flow diagrams to illustrate the functions and data flow for the online telephone directory system specified in question #2.  
   [25 points]

4. What kinds of problems should you look for when doing a requirements review? Make a checklist of these problems Can the checklist be universally applicable or is it better to use a checklist that is specific to the application domain?  
   [25 points]