Assignment #1 (Due: 03/04/10)
http://www.personal.kent.edu/~asamba/tech61095/assignment.html

Answer all questions
(Please type your answers)

1. A team (consisting of Requirements Engineer, Systems Architect, Programmer, and Systems Verification Engineer) works together with customers and users to define requirements and specify what the proposed system should do. If once it is built, the system works accordingly to specification but harms someone physically or financially, who is responsible and why?

2. In an early meeting with your customer, the customer lists the following “requirements” for a system he/she wants you to build:

   a. The client daemon (e.g., a program that runs in the background on the end-user’s device) must be invisible to the user
   b. The system should provide automatic verification of corrupted links or outdated data
   c. An internal naming convention should ensure that the records are unique
   d. Communication between the database and servers should be encrypted
   e. Relationships may exist between title groups (i.e., a type of record in a database)
   f. Files should be organized into groups of file dependencies
   g. The system must interface with an Oracle database
h. The system must handle 50,000 users concurrently

Classify each of the above as a **functional** requirement, a **quality** requirement, or a **design constraint**

3. Sometimes a customer requests a requirement that you know is impossible to implement. Should you agree to put the requirement in the definition and specification documents anyway, thinking that you might come up with a novel way of meeting it or thinking that you will ask that the requirement be dropped later? Discuss the ethical implications of proposing what you know you cannot deliver.