ASSIGNMENT NO. 5

1. In the Good Book under core principles for software engineering practice (Chapter 5), the author stated one principle of the many principles (which to me is the most important) as the activity: *Think!*

Instruction: Please give five concrete, specific and detailed examples (not SE principles) that you would think about in SE practice in accordance with what the author meant by his “Think” principle.

2. The author of the Good Book at one point mentioned the "WSHH Principle" as one of the excellent principles to be adopted for software engineering processes and projects. Directly related to this principle is a statement, quote: "The customer, users, and other stakeholders also have responsibilities."

Instruction: Please list five specific responsibilities of the customer that would provide significant contributions to the eventual success of the software engineering project.

3. In our Software Engineering class (version WRY), we have essentially completed the User Requirement Specifications (URS) at this point. The next logical step is to analyze the contents of the URS. On that issue, the Good Book (Chapter 5) stated that one of the two classes of models that represent the user requirements is the ‘Analysis Model’. This model depicts the software in three different domains: the information domain, the functional domain and the behavioral domain.

Instruction: In your own words, what do you understand by the difference the author made between the functional domain and the behavioral domain? Repeat, in your own words. (Hint: Look at the tasks for Analysis Modeling)

4. In the later part of the discussions the author of the Good Book uses a lot of abbreviations for terms that should have been understood earlier to avoid unnecessary repetitions. For the first time reader, this can be confusing. On that note, in Chapter 6, explain what is meant by the following abbreviations:
   - CLSS
   - SCD
   - AFD
   - SFD
   - UML
   - BPE
   - NC

5. In your own words, what do you understand by the term ‘Analysis Patterns’? Why would analysis patterns speed up development in the software engineering process? (Hint: Do not reinvent the wheel)

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*Why do we need to learn to put things in our own words? In the first place, why do we need to think? Think.*

Answer to Author’s Corner: For Assignment No. 4

Why does only one side of the Moon face the Earth – for answers please go to:

http://homepages.win.co.nz/creation/moon.html