



NATIONAL UNIVERSITY
School of Engineering and Technology (SOET)

SEN 601
Software Engineering Fundamentals –Sept. 2011

Sample Questions:

Midterm: **20** points; You may answer any of the following 10 questions (see the sample questions below). Each questions carry equal points except question# 3, which carries 3 points.

1. The ‘Waterfall Model’ suggests a systematic sequential approach to software development that begins with customer satisfaction requirements.
 - a. **True**
 - b. Falls

2. A vast majority of WebApps enable a “conversation” between an end user and application functionality, content, and behavior. Thi conversation can be described using an interaction model that can be composed of one or more of the following elements:
 - a. Use Cases
 - b. Sequence diagrams
 - c. State diagrams
 - and/or d. ? (**user interface prototype**)

3. The requirements modeling action results in one or more of the five types of models. One of those is flow-oriented models. Explain with an example.

4. Software deteriorates rather than wears out because
 - a. Software suffers from exposure to hostile environments
 - b. Defects are more likely to arise after software has been used often
 - c. Multiple change requests introduce errors in component interactions**
 - d. Software spare parts become harder to order

5. On interface design, Theo Mandel coins **three** golden rules that form the basis for a set of user interface design principles.

6. Which of the followings is not an intended purpose of an analysis model
 - a. To explore multiple solutions economically
 - b. To master complex systems
 - c. To capture design solutions in a mutable form separate from the requirements
 - d. To avoid software testing**
 - e. To generate usable work product