**TIM 58: Systems Analysis and Design**

**Homework Set #1**

*Due as a paper copy in class at the beginning of class Tuesday January 17.*

Provide short-medium paragraph answers to the following questions.

1. Provide your answer to Minicase #1 on p. 39 of the textbook. Be sure to use terms and ideas from the book and lecture.

2. Explain the idea of prototyping and indicate when prototyping is appropriate.

3. Explain the role of a project manager in an IS project.

4. Summarize the purpose of the planning phase in SDLC. Explain why it exists and what it contributes to the completion of the system.

5. Summarize the purpose of the analysis phase in SDLC. Explain why it exists and what it contributes to the completion of the system.

6. Summarize the purpose of the design phase in SDLC. Explain why it exists and what it contributes to the completion of the system.

7. Summarize the purpose of the implementation phase in SDLC. Explain why it exists and what it contributes to the completion of the system.

8. Compare and contrast the roles and responsibilities of the **project manager** and the **business analyst**.

9. Explain what is meant in Unified Modeling Language (UML) by *use-case driven*, *architecture centric*, and *iterative and incremental*.

10. Describe the Unified Process (UP).