

Assignment 2

Focus: System modeling

Specification:

1. The architectural design documentation containing the following information:
 - a. Major design considerations and rationales
 - b. Architectural organization that is the best choice for the project management
 - c. Drawing of the architectural design of the system, **containing the object classes**
2. Structural modeling using object classes for your own implementation.
 - a. The class design should include class definitions (see figure 5.10 of Sommerville), generalization hierarchies (see figure 5.12 of Sommerville), and aggregation associations (see figure 5.13 of Sommerville).
 - b. Notations for the diagrams should be well-explained, if different from those used in section 5.3 of Sommerville. For the class definitions, the expected input parameters of a function should be specified at the interface level.
3. Interaction modeling using sequence diagrams
 - a. For each functional requirement listed in assignment 1, the corresponding sequence diagram showing the sequence of interactions for execution of the particular requirement.
 - b. Notations for the diagrams should be well-explained, if different from those used in section 5.2.2 of Sommerville.

Software useful for charting: <https://www.visual-paradigm.com/editions/>