

Requirements Modeling

Modeling with Structured Analysis and Object Oriented Analysis

Date Assigned: 10/17/2024

Due Date: 11/08/2024

1. **Cover Sheet:** The group name, logo, list of team members, name of the chair person for this project, project name and due date should appear on the cover sheet. (5)
2. **Time Log:** Part of each group project will be a time log. When you turn in the project the time log should be included. It shows the actual time spent completing the assignment by each team member and actual time spent in group meetings. (15)
3. **Minutes:** Please submit minutes of the meetings your group to complete this assignment. (20)
4. For your software system, develop the following:
 - I. **Structured Analysis:**
 - a. **An Entity/Relationship Diagram** that describes data objects, relationships, and attributes. On the ERD, please show the cardinality on the relationships between different data objects. (20)
 - II. **Object Oriented Analysis**
 - a. **Swim Lane Diagrams** that describes dynamic behavior of actors in response to time and changing external stimuli. (20)
 - b. **Class Diagram** that shows all classes in your system and relationships and the multiplicity between these classes. (20)