

Appendix C - Diary of Meeting and Tasks

Date: September 23, 2025

Time: Class session, 6:25 - 7:45 PM

Location: Florida International University, School of Computing and Information Sciences

Course: CEN 4010 – Software Engineering 1

Agenda

- Review of Requirements Elicitation activities
 - Requirements Validation & SRS quality checks
 - Introduction to Analysis models (functional, object, dynamic)
 - Concepts of entity, boundary, and control objects
 - UML associations, generalizations, and heuristics for identifying objects
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Discussion Summary

- Professor reviewed steps in requirements elicitation: identifying actors, scenarios, use cases, refining them, and eliminating redundancies.
- Introduced how agile methods integrate elicitation with development using user stories and story cards.
- Covered requirements validation techniques: requirement reviews, prototyping, test-case generation, and automated consistency analysis.
- Emphasized SRS qualities: realistic, verifiable, and traceable.
- Moved into analysis modeling:
 - Functional model = use cases & scenarios.
 - Object model = entity, boundary, and control objects.
 - Dynamic model = state machines & sequence diagrams.

- Discussed associations (one-to-one, one-to-many, many-to-many) and generalization (is-a hierarchy).
- Example given: file system with entity objects (File, Folder, Disk), boundary objects (Icon, Pointer, TrashCan), and a CopyFile control object.