

COEN 174L

Lab 2

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Requirements

- Functional / Non-Functional / Design Constraints
 - Critical / Recommended / Suggested
- List requirements in priority order, highest first

Use Cases

- Requires use case diagram and details description of each use case
- Diagram has actors and tasks
 - Actors – stick figures
 - Tasks – bubbles inside box representing system
- Each use case requires
 - Name
 - Goal of use case
 - Actors of use case
 - Pre-conditions / Post-conditions
 - Exceptions

Activity Diagram

- Should include one diagram for each type of user which details flow for the type of user interacting with the system
- Each includes start and end node, arrows to indicate path, boxes of actions, diamonds for decisions, solid bars to indicate forks and joins
- Introductory with a brief description of what the diagrams are and their purpose

Risk Analysis

- Requires Risk Table
 - One row per risk
- Columns
 - Name of risk
 - Consequences
 - Probability
 - Severity (0-10)
 - Impact (probability * severity)
 - Two or more mitigation strategies
 - Things that reduce either probability or severity