

# EECS 486 Object Oriented Methodology

## Project 2 Requirements Document Description

**Possible Points: 100**

**Assigned Date: 04MR03**

**Due Date: 18MR03**

The objective of the Project 2 Requirements Documentation is to increase the complexity of applying UML modeling techniques to a project. A secondary objective is to partition what the system does (requirements) and how it is implemented in software (design).

Several changes to the project between Project 1 and Project 2 include:

- Increase the domain complexity of the systems;
- Need to interface with at least one other group.

As always, the content of the requirement document is described on page 2. In general, the form is to first describe the notation of the diagram type. Next, the diagram for the group's specific application is given. Finally, the diagram for the system is textually described in full.

The Requirements Document is a system-level view of the implementation focusing on *what* the system does, rather than *how* the code is implemented. Thus all diagrams should focus on describing system-level functionality easily understood by a customer. As an example, the system level class diagram contains only *responsibilities* that are necessary to describe the class. No class attributes or operations are expected in the requirement document.

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## Project 2 Requirements Grading Template

Introduction	10 points
Overview	

### System Level Requirements

Use Cases	20 points
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Notation Description	5 pts
System Level Use Case Diagram	10 pts
Use Case 1 Description	5 pts
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Use Case n Description	

Structural Model	20 points
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Notation Description	5 pts
System Level Class Diagram	10 pts
Class Diagram Description	5 pts

### Behavioral Analysis

State Behavior	20 points
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Notation Description	5 pts
System Level Statechart Diagram	10 pts
Statechart Diagram Description	5 pts

Interaction Behavior	25 points
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Sequence Diagram Notation Description	5 pts
Sequence Diagram: Scenario 1	7.5 pts
Sequence Diagram Description	2.5 pts
Sequence Diagram: Scenario 2	7.5 pts
Sequence Diagram Description	2.5 pts

References	5 points
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*Note: Approximately 2/3 of the points are awarded for content and 1/3 of the points are awarded for form.*