EECS 486 Object Oriented Software Development Project 2 Design Document Description

Possible Points: 100	Assigned Date:	02NO01
	Due Date:	19NO01

The objective of the Project 2 Design Document is to fully describe the implementation of the system prior to writing any code. The Design Document is a system- and class-level view of the implementation focusing on *how* the code is implemented. Recall that *what* the system does was described in the Requirements Document.

The approach of the description is to first, include the class diagram from the Requirement Document to set context. Next, architectural models are included to describe both physical software and physical hardware deployment. Finally, the project is decomposed into individual classes with a thorough description of each class's constituents.

As always, the content of the design document is described on the following page(s). 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.

Notes:

- Approximately 3/4 of the points are awarded for content and 1/4 of the points are awarded for form.
- Document must describe behavior of at least two classes using Statechart Diagrams.
- Document must describe behavior of at least four operations using Activity Diagrams.

Project 2 Design Document Grading Template

Introduction (can be cut and pa Overview	ste from Proto2 Req Doc)		5 points
System Level Design			
Structural Model (can be cut and paste from Proto2 Req Doc)			45 points
Notation Descr	iption	5 pts	•
System Level C	Class Diagram	5 pts	
Class Diagram	Description	5 pts	
Software Deployment			
Notation Description		5 pts	
Component Dia	agram	5 pts	
Component Diagram Description		5 pts	
Hardware Deployment		-	
Notation Descr	iption	5 pts	
Deployment Di	agram	5 pts	
Deployment Dia	agram Description	5 pts	
Class Level Design			45 pts
Class			15 pts
Field Description	n	2.5 pts	
-	m Notation Description	2.5 pts	
Class 1n		40 pts	
Name		10 Pts	
Description/Res	sponsibilities		
Behavioral Model (if behavior is complex enough to justify)			
Attributes	(
	te Dictionary Entry		
Attribu			
	Name		
	Description		
Type (e.g., int, real, long-real, enumerated,)			
Units (e.g., deg F, meters,)			
	Range	,	
	Resolution		
Operation			
Operati	on Dictionary Entry		
Operati	on 1p		
-	Name		
	Description		
	Output (must have Attribute	Dictionary Entry)	
	Input (must have Attribute I	Dictionary Entry and ref to	owner)
	Behavioral Model (if behavi	or is complex enough to ju	ustify)
References			5 points