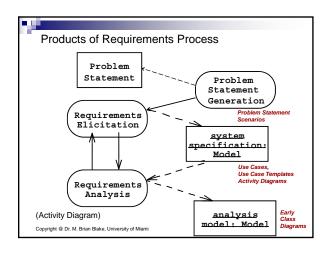


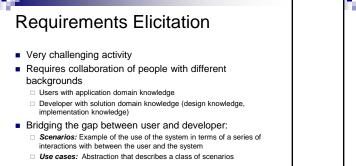
First Step in Establishing the Requirements: System Identification

- The development of a system is not just done by taking a snapshot of a scene (domain)
 - Two questions need to be answered:

 - How can we identify the purpose of a system? Crucial is the definition of the system boundary: What is inside, what is outside the system?
- These two questions are answered in the requirements process
- The requirements process consists of two activities: Requirements Elicitation:
 - Definition of the system in terms understood by the customer ("Problem Description")
 - Requirements Analysis:
 - Technical specification of the system in terms understood by the developer ("Problem Specification")

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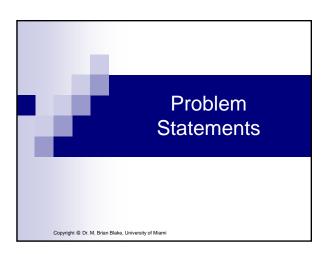


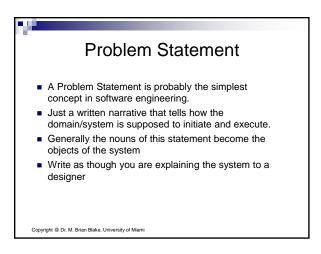
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System Specification vs Analysis Model

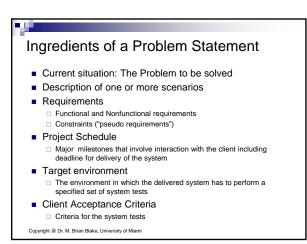
- Both models focus on the requirements from the user's view of the system.
- System specification uses natural language (derived from the problem statement)
- The analysis model uses formal or semi-formal notation (for example, a graphical language like UML)
- The starting point is the problem statement

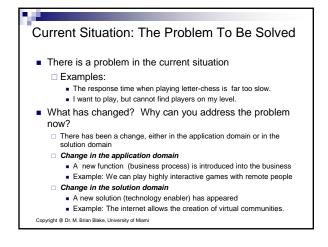
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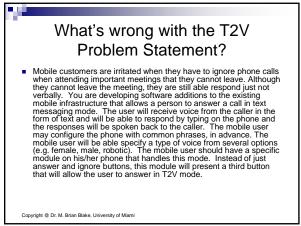


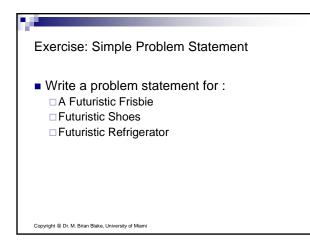


Problem Statement is developed by the client as a description of the problem addressed by the system Other words for problem statement: Statement of Work A good problem statement describes The current situation The functionality the new system should support Deliverables expected by the client Delivery dates A set of acceptance criteria









Task List

- Go over Assignment 1
- Finalize teams for Final Projects
 Go over Final Project Deliverables again
- Lecture on Requirements
 Demonstrate Requisite Pro
- Lecture on Scenarios
 - □ Example for the T2V Problems statement
 - \Box Student Group Work in Class on Frisbee,
 - Shoes, Refrigerator

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