



# Architecture & Customer Requirements

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# Requirements Analysis

## ❖ Types of Requirements:

### ▪ Customer Requirements:

- Operational distribution or deployment: Where will the system be used?
- Mission profile or scenario: How will the system accomplish its mission objective?
- Performance and related parameters: What are the critical system parameters to accomplish the mission?
- Utilization environments: how are the various system components to be used?
- Effectiveness requirements: How effective or efficient must the system be in performing its mission?
- Operational life cycle: How long will the system be in use by the user?
- Environment: what environments will the system be expected to operate in an effective manner?

# Requirements Analysis

## ❖ Types of Requirements:

- Architectural Requirements:
  - A formal description and representation of a system, organized in a way that support reasoning about the structure of the system which comprises system components, the externally visible properties of those components, the relationships and the behavior between them, and provides a plan from which products can be procured and systems developed, that will work together to implement the overall system.

# Lab Activities

- ❖ Do **brainstorming** in your group
- ❖ Define the **customer requirements and architectural requirements** for your project



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# Thank You !

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