

Sequence Diagrams - Unified Modeling Language (UML)

What are Sequence Diagrams?

Sequence diagrams are a type of UML (Unified Modeling Language) diagram that visually represent the interactions between objects or components in a system over time. They focus on the order and timing of messages or events exchanged between different system elements. The diagram captures how objects communicate with each other through a series of messages, providing a clear view of the sequence of operations or processes.

What is the difference between Use Case Diagrams, Sequence Diagrams and Activity Diagrams?

Diagram	What it shows	Main question answered	Level of detail	Typical use
Use Case Diagram	System functions & users	What can the system do?	Low	Requirements & system scope
Sequence Diagram	Messages between objects over time	How do components interact?	Detailed	Design & behavior analysis
Activity Diagram	Workflow of actions	How does the process flow?	Medium	Business processes & logic

Sequence Diagram Example

