

UML

The logo consists of the letters 'UML' in a bold, orange, sans-serif font. A solid blue horizontal line is positioned directly beneath the letters, centered under the 'M'.

UML

- Unified Modeling Language is a visual language
- “A picture is worth a thousand words.”
- “A language provides a vocabulary and the rules for combining words for the purpose of communication.
- UML diagrams to portray the behavior and structure of a system.
- UML is not a programming language
- a clear and concise way to communicate with non programmers

Types of UML Diagram

UML Diagram

```
graph TD; A[UML Diagram] --> B[Structural]; A --> C[Behavioral]
```

The diagram is a simple tree structure. At the top is a blue rounded rectangle containing the text 'UML Diagram'. Two lines descend from the bottom center of this rectangle, each ending in an arrowhead pointing to a separate blue rounded rectangle below. The left rectangle contains the text 'Structural' and the right rectangle contains the text 'Behavioral'. The entire diagram is set against a white background with a solid blue horizontal bar at the very bottom.

Structural

Behavioral

Structural UML diagrams

- Class diagram
- Package diagram
- Object diagram
- Component diagram
- Composite structure diagram
- Deployment diagram

Behavioral UML diagrams

- Activity diagram
- Sequence diagram
- Use case diagram
- State diagram

Unified Modeling Language

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Goals of UML:

The primary goal of UML is to define some general-purpose simple modeling language so that all modelers can use and understand.

Continue..

- UML is described as a general-purpose visual modeling language.
- UML is not a programming language but tools can be used to generate code in various languages using UML diagrams.
- UML concept has a direct relation with object-oriented analysis and design.