

UML

- [UML Basics](#)

UML Basics

UML = Unified Modelling Language

UML Models

- Business System Model (BSM)
- IT System Model (ISM)

UML Views

- BSM
 - External view
 - Internal View
- ISM
 - Static view
 - Dynamic view

UML Diagrams

- Class diagram
 - classes within the system
 - methods and fields
 - associations, generalizations and cardinality
- Component diagram
 - components of the system
 - contains implemented and required interfaces
 - components can be nested
- Sequence diagram
 - shows call sequence
 - shows the calling class, called method and returned data type
 - can show loops
- State diagram
 - shows states or activities
 - shows allowed transitions
 - can be nested
 - can depict internal activities
- Activity diagram
 - modern flowcharts
 - shows process or workflow
 - can be nested
 - can show concurrent actions
 - can have swim lanes

- Layer diagram
 - Microsoft specific (non-standard, invented by MS)
 - shows areas of concern
 - show references between areas
 - can be validated
- Use Case diagram
 - show actors
 - shows use cases
 - binds actors to use cases
 - can depict generalizations