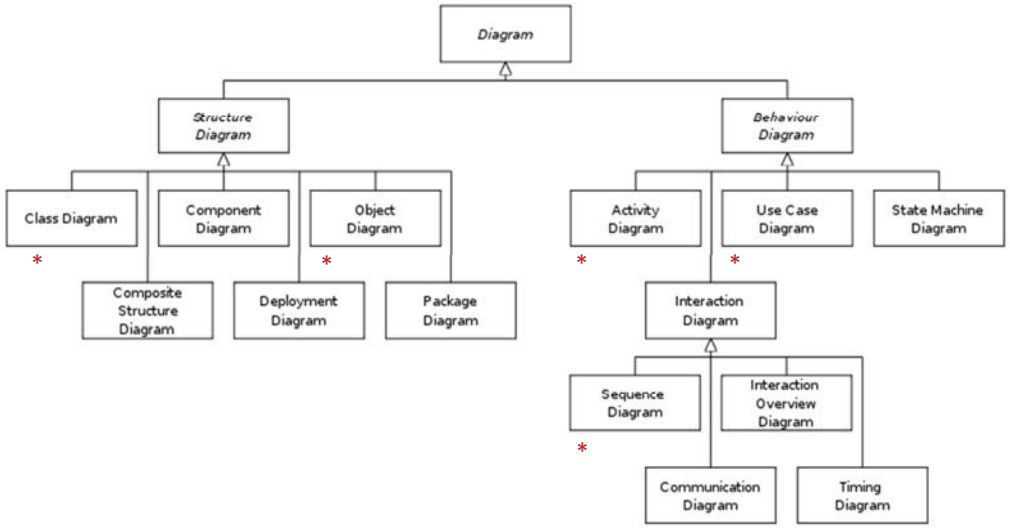
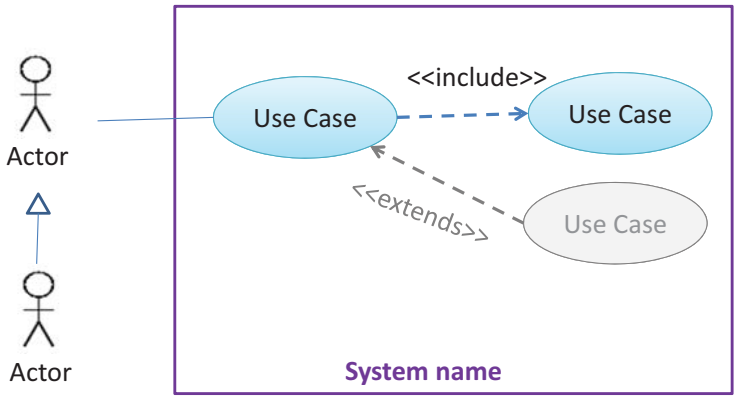
UML Reference Sheet



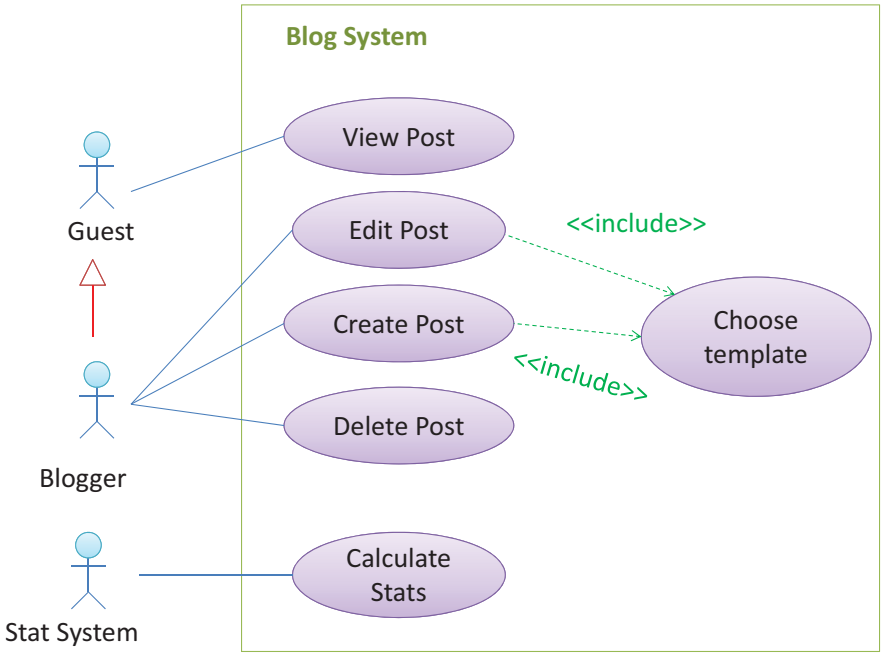
* Examinable

[This UML reference sheet was inspired by Martin Fowler's *UML Distilled*.]

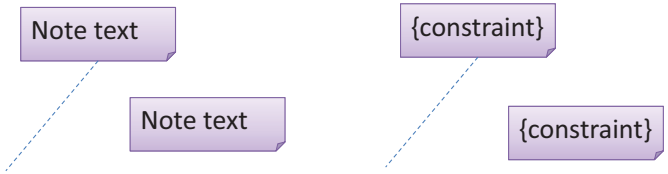
Use case diagrams



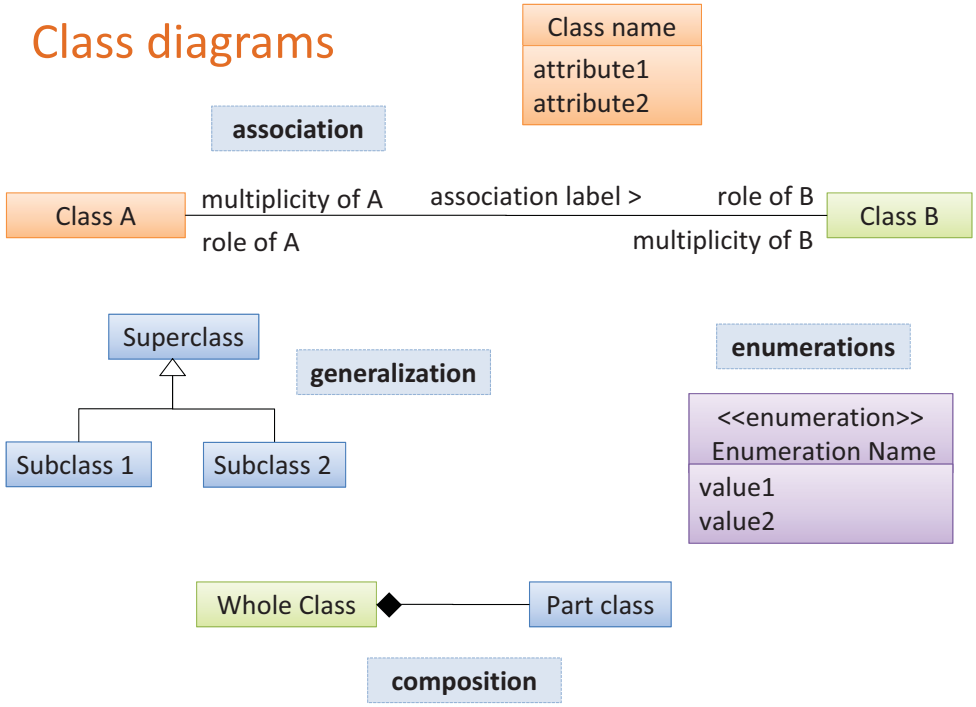
Use case diagrams [example]



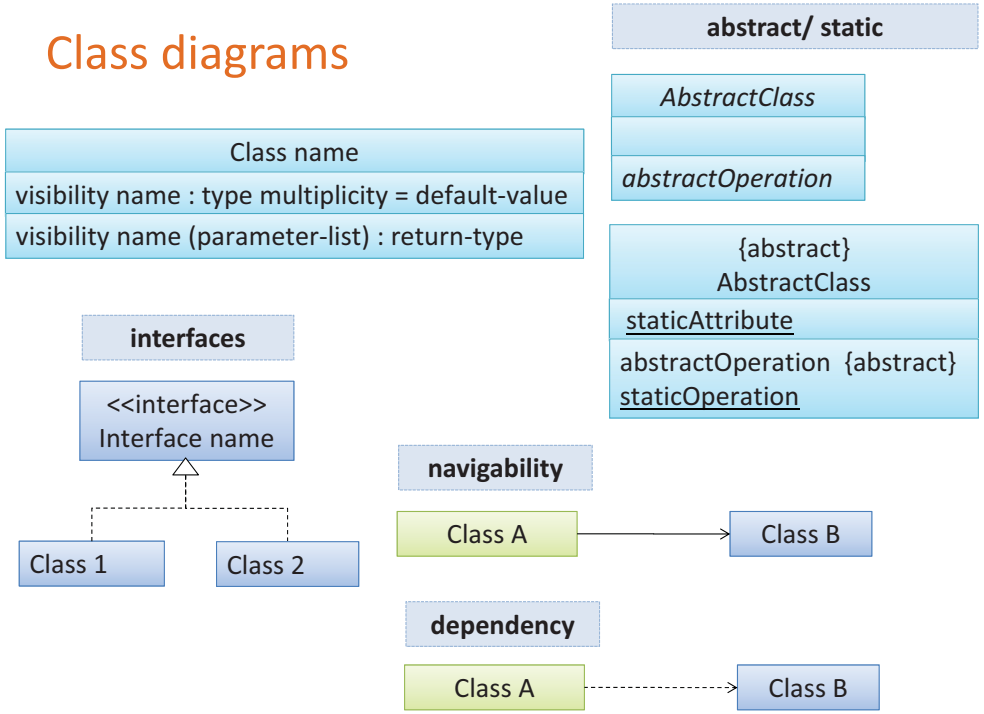
Notes and constraints



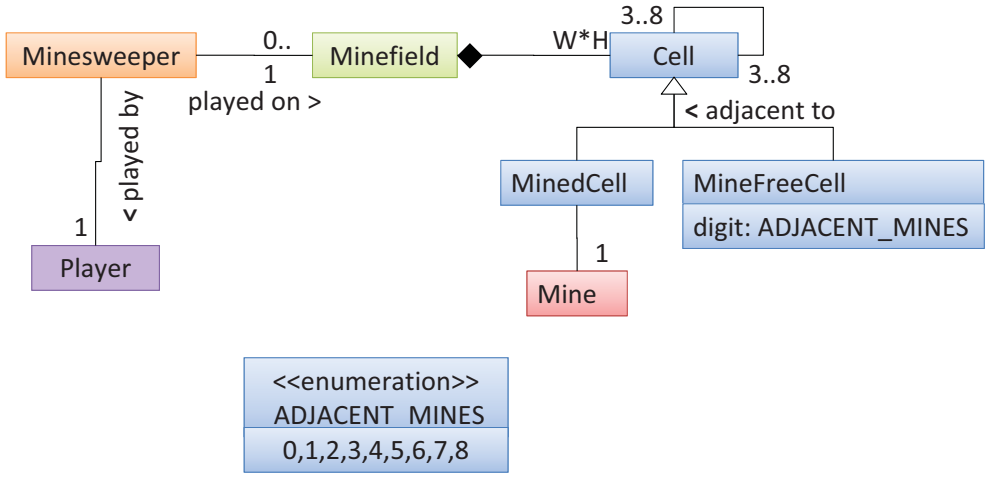
Class diagrams



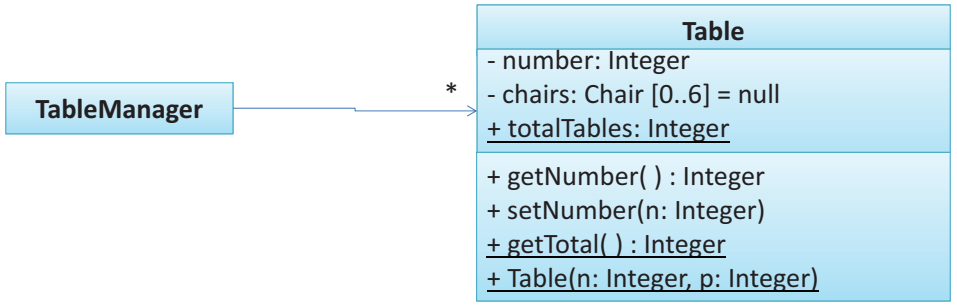
Class diagrams



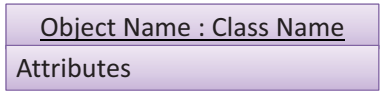
Class diagrams [example]



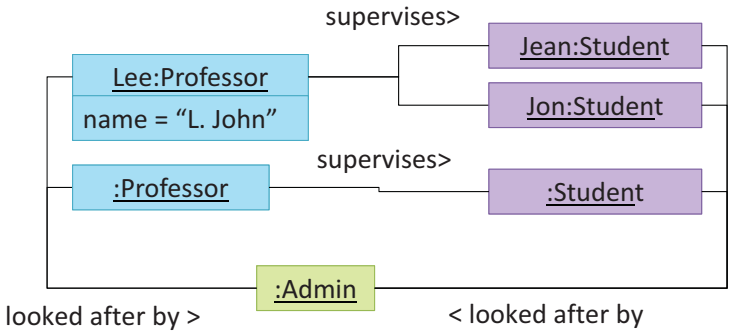
class diagrams [example]



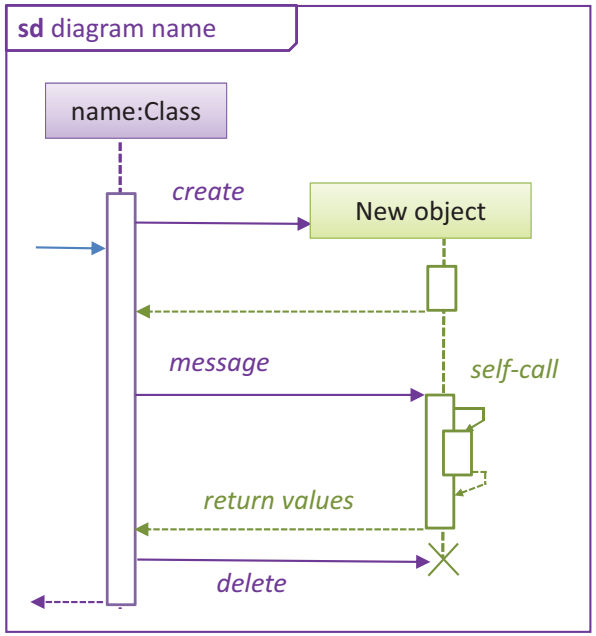
Object diagrams

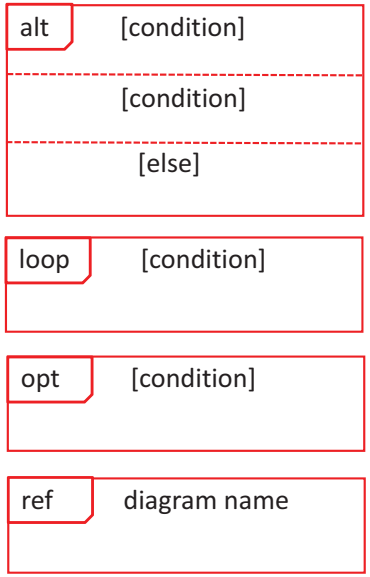


Object diagrams [example]

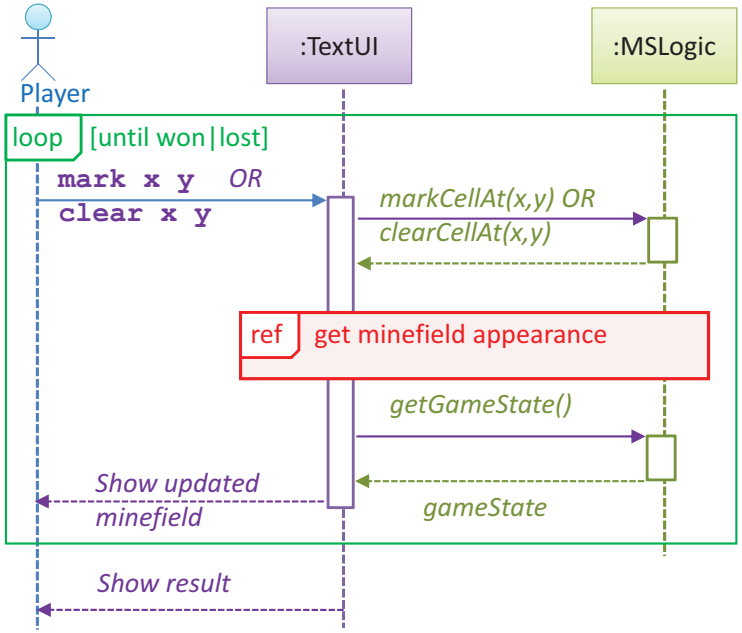


Sequence diagrams

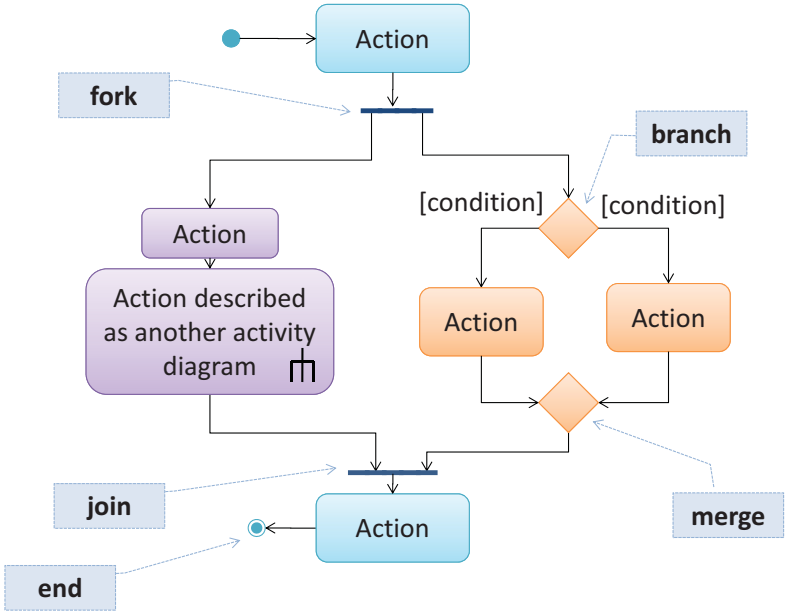




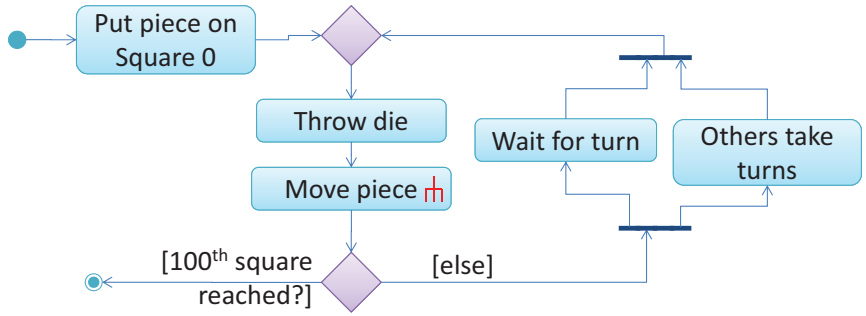
Sequence diagrams [example]



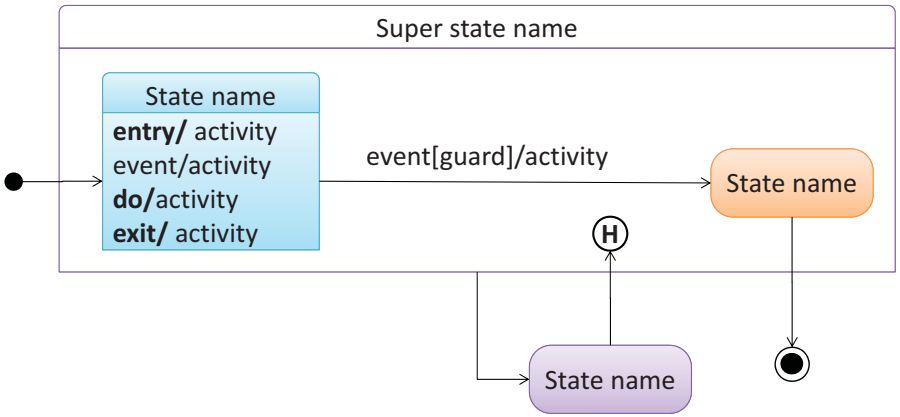
Activity diagrams



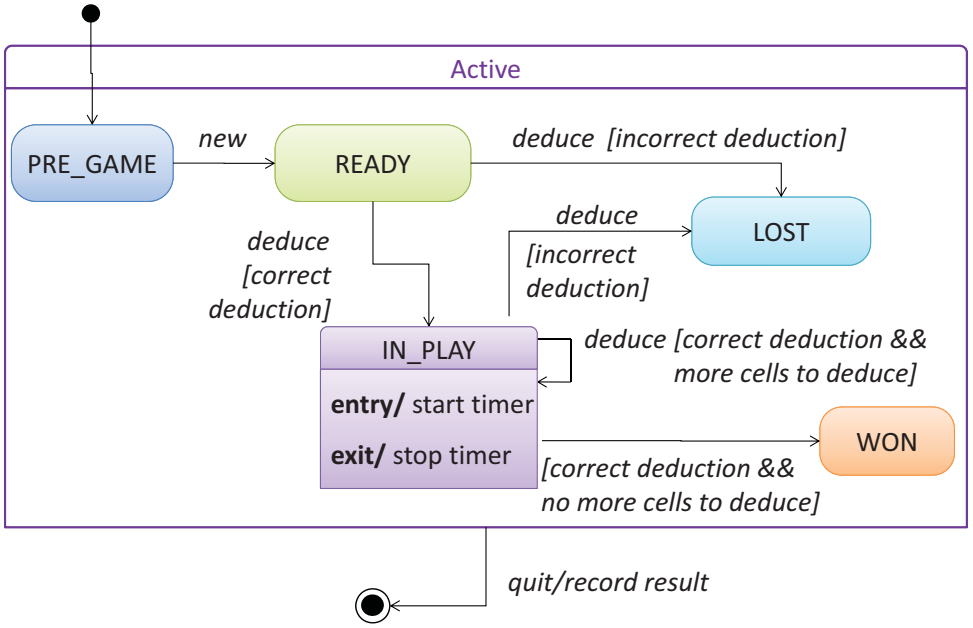
Activity diagrams [example]



State machine diagrams

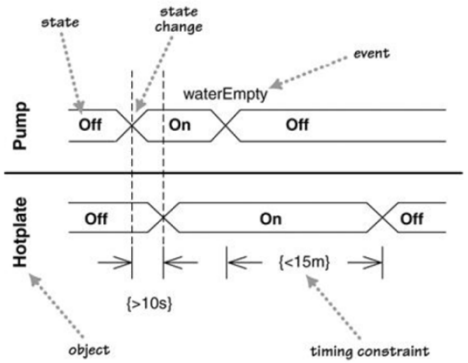


State machine diagrams [example]

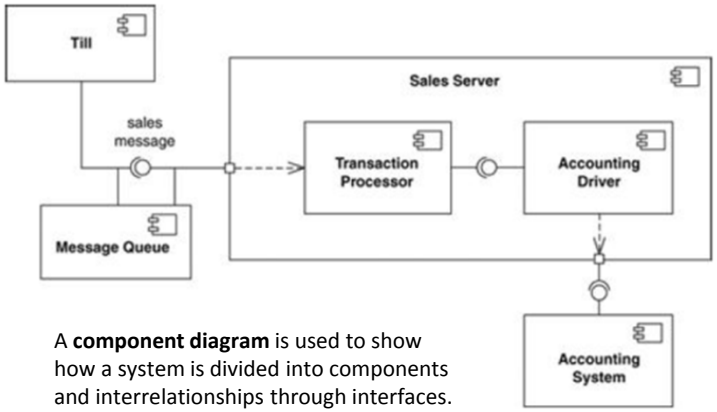


Other UML diagrams

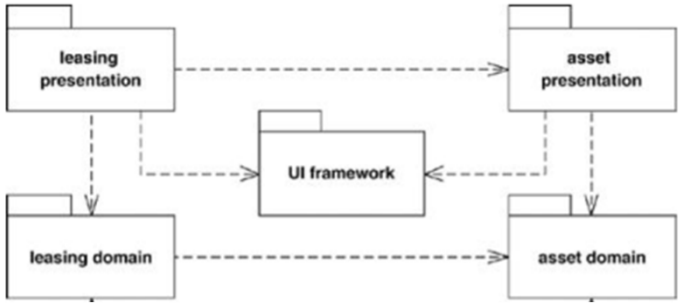
This page contains a peek of UML diagrams not covered in lectures. These are not examinable.



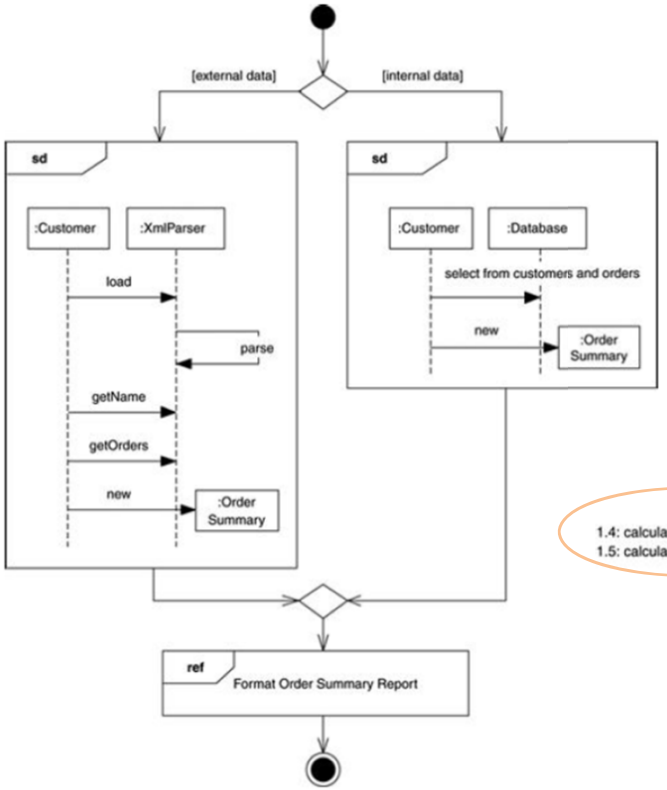
Timing diagrams focus is on timing constraints.



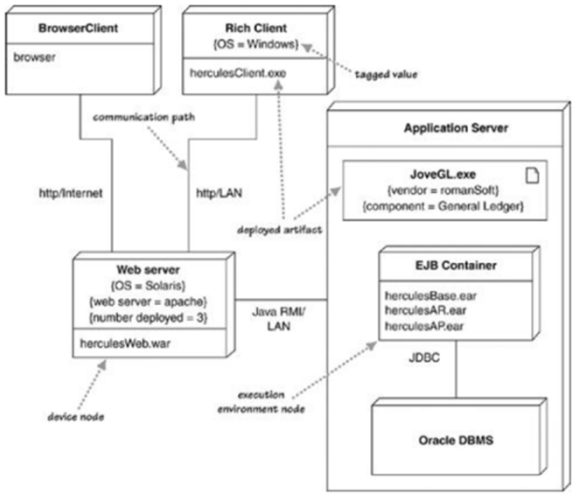
A **component diagram** is used to show how a system is divided into components and interrelationships through interfaces.



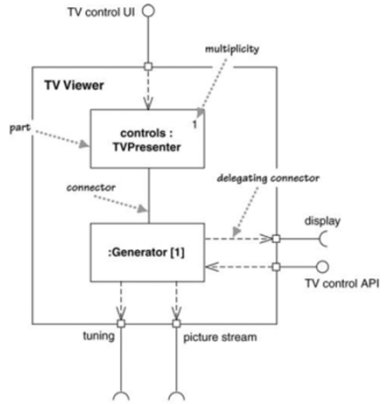
A package diagram shows packages and their dependencies. A package is a grouping construct for grouping UML elements (classes, use cases, etc.).



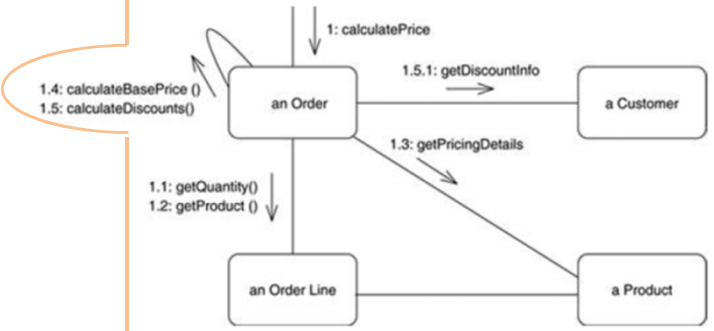
Interaction overview diagrams are a combination of activity diagrams and sequence diagrams.



Deployment diagrams show a system's physical layout, revealing which pieces of software run on what pieces of hardware.



A **composite structure diagram** hierarchically decomposes a class into its internal structure.



Communication diagrams are like sequence diagrams but emphasize the data links between the various participants in the interaction rather than the sequence of interactions.