An analysis mechanism is a conceptual representation of an architectural representation. Over time this will be refined into a design mechanism.

A Design Mechanism is a full representation of an architectural representation. This is refined from the analysis mechanism and will be refined further into an implementation mechanism.

An implementation mechanism, refined from the Design Mechanism, uses specific technologies like programming languages and products.

A use Case diagram is used to capture any core functionalities of a system. It provides a way to visualize the interactions between the actors of a system and the use cases.

A class diagram is used to model the structure of an application. Class diagrams can be directly mapped with object-oriented languages which makes them useful at the time of implementation.

A sequence diagram can be used to model and visualize the order of operations for functions , procedures , and programs .

A package diagram is used to structure high level system elements. It can simplify complex class diagrams by grouping classes into packages. The packages are used to organize large systems.