SWEN-262 Engineering of SW Subsystems

Sequence Diagrams

Sequence Diagrams

The **sequence diagram** is a basic tool for modeling dynamic interactions between software entities.



- A sequence diagram is used to show how objects within a software system interact with each other to implement a feature.
 - There may be multiple objects of the same class interacting with each other and other objects in the system.
- A sequence diagram can be used to illustrate many different aspects of a specific feature of the system.
 - When an object is created.
 - When a method is called on an object, including important parameters.
 - Return values.
 - Loops and conditionals.
- Together with an accompanying UML class diagram, a sequence diagram should provide enough guidance for a software developer to implement a feature of the system.



Sequence Diagram Notation









More Sequence Diagram Notation





More Sequence Diagram Notation



