Sequence diagram symbols

| SR NO | Symbols | Description |
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| 1 | Sequence diagram - Lifeline | **Lifeline Notation** :- A sequence diagram is made up of several of these lifeline notations that should be arranged horizontally across the top of the diagram. They represent the life of the object. |
| 2 |  | **Activation Bars:-** Activation bar is the box placed on the lifeline. It is used to indicate that an object is active (or instantiated) during an interaction between two objects |
| 3 | Synchronous Message Arrow | **Synchronous Message Arrows :-**  Synchronous message is used when the sender waits for the receiver to process the message and return before carrying on with another message |
| 4 |  | **Asynchronous message:-**  An asynchronous message is used when the message caller does not wait for the receiver to process the message and return before sending other messages to other objects within the system |

Sequence Diagram Description :-

Sequence Diagrams illustrate how the different parts of a system interact with each other to carry out a function, and the order in which the interactions occur when a particular use case is executed.

A sequence diagram is structured in such a way that it represents a timeline which begins at the top and descends gradually to mark the sequence of interactions. Each object has a column and the messages exchanged between them are represented by arrows.