**Sequence Digaram**Sequence diagrams, commonly used by developers, in order to model the intraction between Objects in a single use. They tell how different part of the sytem intract with each other to carry out a function   
  
*In simpler words, a sequence diagram shows how different parts of a system work in a ‘sequence’ to get something done.*

Lifeline Notation  
Activation Bars  
Message Arrows

**A sequence diagram represents the scenario or flow of events in one single use case  
Then, before you start drawing the sequence diagram or decide what interactions should be included in it, you need to draw the use case diagram and ready a comprehensive description of what the particular use case does.  
  
Diagram of a library management system

Description automatically generated**

**A diagram of a school management system

Description automatically generated**

**State Machine Diagrams**