**Use Case Document**

Purpose:

Use case diagrams are used to gather the requirements of a system including internal and external influences. These requirements are mostly design requirements. So when a system is analyzed to gather its functionalities use cases are prepared and actors are identified.

• Used to gather requirements of a system.

• Used to get an outside view of a system.

• Identify external and internal factors influencing the system.

• Show the interacting among the requirements are actors.

How to draw Use Case Diagrams

Use case diagrams are considered for high level requirement analysis of a system. So when the requirements of a system are analyzed the functionalities are captured in use cases.

Items identified:

• Functionalities to be represented as an use case

• Actors

• Relationships among the use cases and actors.

Use case diagrams are drawn to capture the functional requirements of a system. So after identifying the above items we have to follow the following guidelines to draw an efficient use case diagram.

• The name of a use case is very important. So the name should be chosen in such a way so that it can identify the functionalities performed.

• Give a suitable name for actors.

• Show relationships and dependencies clearly in the diagram.

• Do not try to include all types of relationships. Because the main purpose of the diagram is to identify requirements.

• Use note when ever required to clarify some important points.

Sample of Use Case Diagram:

Places where use case diagrams are used:

• Requirement analysis and high level design.

• Model the context of a system.

• Reverse engineering.

• Forward engineering.