Use Case Diagram

- Use case diagrams consists of actors, components, and their relationships. The diagram is used to model a system/subsystem of an application. A single use case diagram captures a particular functionality of a system.
- Purposes can be described as:
  - Gather requirements of a system
  - Get an outside view of a system.
  - Identify external and internal factors influencing the system
  - Show interactions among the requirements of actors.

Use Case Diagram

- Guidelines for drawing:
  - The name of a use case is very important and should be chosen in such a way so that it can identify the functionalities performed
  - Give a suitable name for actors (Human or component)
  - Show relationships and dependencies clearly
  - Do not try to include all types of relationships
  - The main purpose is to identify requirements and use notations to clarify some important points
- Places where use case diagrams are used:
  - Requirement analysis and high-level design
  - Model the context of a system
  - Reverse engineering
  - Forward engineering

Use Case Diagram: Inventory System