

# SAD Tutorial 08

## 1. What is a use case?

- A use case is a methodology used in system analysis to identify, clarify and organize system requirements. The use case is made up of a set of possible sequences of interactions between systems and users in a particular environment and related to a particular goal. The method creates a document that describes all the steps taken by a user to complete an activity.

## 2. Define the steps of use case methodology.

- Identify all system users and create a profile for each one.
- Select one user and define their goal.
- Describe the course taken through the system to reach that goal.
- Consider every alternate course of events and extend use case.
- Identify all commonalities in user journeys to create a common course use case.
- Repeat steps 2-5 for all other system users.

## 3. Define the context of the basic use case description template.

- Use case name
- Brief description
- Actors
- Basic flow
- Alternate flows (sometimes called extensions)
- Pre-conditions
- Post-conditions

## 4. Write a use case for the following example:

As a user, I want to register on an online shopping website to buy some accessories.

- Use case name: Register, Search
- Brief description: Register, to check see the item place and order.
- Actors: Admin, Customer, Seller
- Basic flow:
  - ✓ Input name, password, other information clicks the register button.
  - ✓ Input item name and search.
- Alternative flow:
  - ✓ Log in with google.
  - ✓ Recovery password or email.
  - ✓ Filter item and search.
- Pre-Conditions: Must have logged in and have an account in the site.
- Post-Conditions: All the items with that searched name will show up in the page.