

Use cases

Q. 1	What is an use case ?
Ans.	<ul style="list-style-type: none"> i. Use Cases determines everything that the Actor wants to do with the system. ii. Use Case is an external view of a system that represents some action that the user might perform in order to complete a task. iii. Use case is a set of scenarios that describe an interaction between a user and a system. iv. Use case is useful for gathering behavioral aspects of the system v. Use case is useful for acceptance testing.
Q. 2	What is an Actor ?
Ans.	<ul style="list-style-type: none"> i. Actor can be a human being, a machine, or a software. ii. Actor is a role that a particular user plays while interacting with the system.
Q. 3	What is a scenario in Use-case modelling ?
Ans.	Scenario is a sequence of interactions happening under certain conditions, to achieve the primary actor's goal, and having a particular result with respect to that goal.
Q. 4	Should Post condition need to be TRUE for an alternative flow also ?
Ans.	Yes
Q. 5	What is precondition and post condition and does it need to be TRUE regardless of which alternative flows were executed ?
Ans.	<p>Precondition: state what must always be true before beginning a scenario in use case are not tested within the use case; rather, they are conditions that are assumed to be true</p> <p>Postcondition: state what must be true on successful completion of the use case—either the main success scenario or some alternate path.</p> <p>Yes. Precondition and Postcondition need to be TRUE regardless of which alternative flows were executed.</p>
Q. 6	Assume the following Purchase Order system scenario : A user can search for a product in a catalog for items such as mobiles, chargers, Bluetooth, tablets, etc. User can place order for an item, provide feedback, and make payment. Identify the appropriate Use Cases from the above given case study.
Ans.	<p>Correct use cases: Search product, place order, provide feedback, make payment</p> <p>Incorrect use cases: validate order, validate payment</p>
Q. 7	Goal of the use case is to withdraw money. User is first checking the balance and then withdrawing the money. What kind of a flow is this ?
Ans.	Alternate flow
Q. 8	What is PRIMARY actor and SECONDARY actor ?
Ans.	<p>Primary Actor : initiates the use case, calls on the system to deliver the service, has a goal with respect to the system.</p> <p>Secondary/Supporting Actor : provides service to the system under design</p>
Q. 9	In which scenarios, we don't use the use cases ?
Ans.	If the system has few users and if the system is dominated by Non Functional requirements
Q. 10	Explain the types of flows :
Ans.	<ul style="list-style-type: none"> i. Basic flow : positive flow and there exists only one such flow in one usecase document. ii. Alternate Flow : testing the variant path to achieve the required goal of a use case iii. Exception flow : deviations from the typical case that happen during the normal course of events