

## Logical Questions

Q1/ Describe any four skills of software tester. (4 marks)

or

Enlist any four skills of software tester. (2 marks)

⇒ A software tester is someone who checks if a computer programs works properly.

They look for problems or bugs and make sure the program is easy to use before it is given to people.

Following are some skills :-

- ✓ ① Analytical skills - Being good at figuring out problems and testing software quality.
- ✓ ② Communication skills : Explaining problems clearly to team.
- ✓ ③ Knowledge of Test Tools : Knowing how to use tools like JIRA or Selenium for testing.
- ✓ ④ Negotiation skills : working with others to agree on deadline and how to fix problems.
- ✓ ⑤ Problem-solving skills : Find quick and effective solution on slow issues.
- ✓ ⑥ Time management : manage time well to meet testing deadlines.

⑦ Teamwork: working well with testers and developers.

⑧ Creativity: Thinking of different ways to test software and find hidden bugs.

Q7 Describe the use of <sup>decision</sup> ~~decis~~ table in black-box testing with the help of suitable example. (4 marks)

⇒ A Decision table is Black-Box testing technique used to represent complex business logic.

It provides a systematic way to define combinations of inputs and corresponding actions.

### Benefits

- 1) Helps to cover all the possible conditions and business rule.
- 2) Simplifies test design showing the effects different input combinations.
- 3) Ensures that all requirements are considered in testing.
- 4) Helps developers and testers improve communication & relationships.
- 5) Reduces the complexity of testing by focusing on selected combinations.



## Challenges

Testing all possible combination may be impractical, so testers must carefully choose combination set.

## Example

A table for login system where different conditions, such as valid/invalid username or password are tested, and corresponding actions are outlined.

Conditions	TC1	TC2	TC3	TC4
Request login	0	1	1	1
valid user name	X	0	1	1
valid password	X	X	0	1
Actions				
offer recover credentials	0	1	1	0
Activate entry box username	0	1	1	0
Activate entry box password	0	0	1	0
Enter privilege	0	0	0	1

0 → False  
1 → True

0 → No action

or

<u>Condition</u>	<u>TC1</u>	<u>TC2</u>	<u>TC3</u>
Login Request	0	1	1
Valid Username	X	0	0
Valid Password	X	1	0

<u>Actions</u>			
Display Error message	1	1	1
Redirect User Dashboard	0	0	1

End

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