

Interview Question

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SDLC ?

- Requirement
- Design
- Development
- Testing
- Deployment
- Maintenance

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STLC ?

- Requirement analysis
- Test planning
- Test case development
- Test environment setup
- Test execution
- Test closure

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QC & QA ?

QC : perform test activity to perfect defect

QA : test process , define root causes to prevent future defect

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Test type ?

Functional : what sys do

NonFunctional : How sys do

Structure :

the architecture (code - DB)

Change related :

retest - regression

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Test Level ?

unit testing

integration testing

System testing

Acceptance testing

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Test Techniques ?

Black box :

Functional & nonfunctional

white box:

structure (code & DB)

Experience based

Error guessing , check list

Exploratory testing

Interview Question

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Test Case ?

- ID
- Description
- Pre condition
- Steps
- Test data
- Expected result
- Status

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Bug Report ?

- ID
- Summary
- Description
- Steps to reproduce
- Expected result
- Actual result
- Environment
- Screenshot

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Bug life cycle

new
assigned
open
fixed
retest
closed reopened

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Smoke testing

Verify that main function in software starts successfully

In initial builds when software is unstable

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Sanity testing

Verify that the bug fixed in the previous build & new feature

At the end phase of SDLC when software is stable

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Exploratory Testing ?

Perform testing without requirement

- Learn & Explore
- Test Design
- Test execution
- Analysis

Interview Question

Test Deliverables

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- Test strategy
- Test plan
- Test scenario
- Traceability matrix
- Test cases
- Test closure report
- Test summary report

Static Testing

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Its technique which test software without executing

It involves :

- code walkthrough
- Informal reviewing
- Peer review
- inspections

Dynamic Testing

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It checks for functional behavior of software system, memory usage performance of the system

It involves :

- Functional testing
- Nonfunctional Testing

Error , Defect Bug , Failure

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Error : developer made mistake in code

Defect : the variation between Expected , Actual result

Bug : Tester find any mismatch in the system

Failure : Customer find issues in deployed product

Entry criteria

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gives the prerequisite items that must be completed before testing can begin.

- Identify types of tests to be performed.
- Gather details about testing priorities and focus.
- Identify test environment
- Automation feasibility analysis

Exit criteria

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defines the items that must be completed before testing can be concluded

- Ensuring all critical Test Cases are passed
- Identifying and fixing all the high-priority defects
- Fixing and ensuring that none of the identified Critical/Severity 1 defects are in Open Status

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API ?

is a computing interface which enables communication and data exchange between two separate software systems



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API Testing

is a software testing type that validates Application Programming Interfaces

The purpose is to check the functionality, reliability, performance, and security of the programming interfaces

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API Method

Get : Request information about API resource

Post : Create a REST API resource

Put : Update a REST API resource

Delete : Delete a REST API resource or related component

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API Status Code

200 : Good

400 : Bad Request

401 : Unauthorized

403 : Forbidden

404 : Not Found

500 : Internal Server Error

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SOAP API

- **SOAP** stands for Simple Object Access Protocol
- **is** an application communication protocol
- **is** a format for sending and receiving messages
- **is** platform independent
- **is** based on XML

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REST API

- is (Representational State Transfer)
- based on URIs and the HTTP protocol
- facilitate client-server communications and architectures
- Rest use Json