I am a functional tester , I have attended many interviews , i faced questions like what challenges you faced in your previous project , i anwserd but not selecting in interviewded, what exactly i should answer for this kind of questions

* **Copilot said:**

**Copilot**

Thanks for sharing that, and I understand how frustrating it can be to feel like you're giving honest answers but still not getting selected. The question **“What challenges did you face in your previous project?”** is a common behavioral interview question, and interviewers are often looking for more than just the challenge itself—they want to understand your **problem-solving ability**, **communication skills**, and **ownership mindset**.

Here’s how you can structure a strong and impactful answer using the **STAR method** (Situation, Task, Action, Result):

* **✅ Example Answer for a Functional Tester**

**Challenge**: “In one of my previous projects, we had frequent regression failures due to inconsistent test environments and lack of proper test data management.”

**Situation**: “I was part of a team testing a large-scale web application with multiple modules and frequent releases.”

**Task**: “My responsibility was to ensure functional coverage and stability across modules during regression cycles.”

**Action**:

* “I initiated a review of our test environment setup and collaborated with the DevOps team to standardize it.”
* “I also proposed and implemented a test data strategy using mock services and reusable data sets.”
* “Additionally, I created a checklist for environment validation before each test cycle.”

**Result**:

* “This reduced environment-related failures by 80% and improved our regression cycle efficiency.”
* “It also helped build trust with stakeholders and improved release confidence.”
* **💡 Tips to Refine Your Answer**

1. **Be specific**: Avoid generic phrases like “communication issues” or “tight deadlines” unless you explain how you handled them.
2. **Show ownership**: Highlight what *you* did to address the challenge, not just what the team did.
3. **Quantify impact**: Use metrics like time saved, defect reduction, or improved coverage.
4. **Stay positive**: Frame the challenge as a learning opportunity or a success story.

Would you like help drafting a few tailored STAR responses based on your actual project experience? If you share a challenge you’ve faced, I can help you shape it into a strong interview answer.

* You said:

I have asked for if you have 5- test cases and you have 2days deadline ,how you handled this , give me answer for this questions

* **Copilot said:**

**Copilot**

That’s a great question, and it’s one that many functional testers face in interviews. When you're asked:

**“If you have 5 test cases and only 2 days to complete them, how would you handle it?”**

Interviewers are evaluating your **time management**, **prioritization**, **communication**, and **problem-solving** skills. Here's a strong way to structure your answer:

* **✅ Sample Answer Using STAR Method**

**Situation**:  
“In one of my previous projects, I was given 5 functional test cases to validate a new feature, with only 2 days before the release deadline.”

**Task**:  
“My goal was to ensure that the most critical functionalities were tested thoroughly without compromising quality, despite the time constraint.”

**Action**:

* “First, I reviewed all 5 test cases and prioritized them based on business impact and risk—focusing on core workflows and high-risk areas.”
* “I communicated with the BA and developer to confirm which areas had recent changes or were more prone to defects.”
* “I executed the top 3 test cases manually and used exploratory testing for the remaining 2 to cover edge scenarios quickly.”
* “I documented all findings clearly and flagged any areas that needed deeper testing post-release.”

**Result**:  
“This approach helped us meet the deadline while ensuring that critical paths were validated. The release went smoothly, and my manager appreciated the proactive risk-based testing strategy.”

* **💡 Tips to Make Your Answer Stand Out**
* **Show ownership**: Explain how you took initiative.
* **Demonstrate prioritization**: Mention how you identified what mattered most.
* **Highlight communication**: Show that you collaborated with stakeholders.
* **Mention tools if relevant**: If you used Jira, TestRail, or automation, include that.
* **Be confident and concise**: Avoid sounding unsure or overly detailed.

Would you like help tailoring this answer to a specific project or domain you’ve worked in (e.g., e-commerce, banking, healthcare)? I can help you craft a few variations based on your experience.

* You said:

I have asked for if you have 50 test cases and you have 2days deadline ,how you handled this , give me answer for this questions

* **Copilot said:**

**Copilot**

That’s a great question, and it’s one that interviewers use to assess your **time management**, **prioritization**, and **problem-solving** skills under pressure. Here's a strong way to answer it using the **STAR method** (Situation, Task, Action, Result), tailored to your role as a **Functional Tester**:

* **✅ Sample Answer: Handling 50 Test Cases with a 2-Day Deadline**

**Situation**:  
“In one of my previous projects, I was given 50 functional test cases to validate a new module, with only 2 days before the release deadline.”

**Task**:  
“My goal was to ensure maximum coverage and quality within the limited time frame, without compromising critical functionality.”

**Action**:

* “I started by analyzing the test cases and categorizing them based on priority—critical, high, medium, and low—based on business impact and risk.”
* “I discussed with the BA and developer to identify which areas had recent changes or were more prone to defects.”
* “I executed all critical and high-priority test cases manually and used exploratory testing for medium and low-priority ones to save time.”
* “I also used automation scripts where applicable to speed up repetitive validations.”
* “Throughout the process, I kept stakeholders informed and flagged any areas that needed deeper testing post-release.”

**Result**:  
“This approach helped us meet the deadline while ensuring that critical paths were validated. The release went smoothly, and my manager appreciated the proactive risk-based testing strategy.”

* **💡 Tips to Make Your Answer Stand Out**
* **Show ownership**: Emphasize your initiative and decision-making.
* **Demonstrate prioritization**: Explain how you identified what mattered most.
* **Highlight communication**: Mention collaboration with developers, BAs, or leads.
* **Mention tools**: If you used Jira, TestRail, Selenium, etc., include that.
* **Quantify impact**: If possible, mention defect reduction, time saved, or coverage achieved.

Would you like help drafting a few variations of this answer based on different domains you’ve worked in (e.g., banking, healthcare, e-commerce)? I can help you tailor it to match your experience more closely.

what is difference between verification and validation explain me with an real time examples

* **Copilot said:**

**Copilot**

Great question! Understanding the difference between **verification** and **validation** is essential in software testing, especially for a functional tester like you. Let’s break it down clearly with **real-time examples** from typical project scenarios.

* **✅ Definition & Key Differences**

| **Aspect** | **Verification** | **Validation** |
| --- | --- | --- |
| **Focus** | Are we building the product right? | Are we building the right product? |
| **Objective** | Ensures the software meets design specifications | Ensures the software meets user requirements |
| **Type** | Static testing (reviews, walkthroughs, inspections) | Dynamic testing (actual execution of test cases) |
| **Performed by** | Developers, QA, BA | QA, UAT testers, end users |

* **🧪 Real-Time Examples**
* **🔍 Verification Example**

You’re reviewing a requirement document for a login page. It says:

* Username field should accept alphanumeric characters.
* Password field should be masked.
* Login button should be enabled only when both fields are filled.

You perform a **review of the test cases** and **inspect the UI design** to ensure these rules are covered. This is **verification**—you’re checking if the system is being built according to the spec.

* **✅ Validation Example**

You execute the test cases on the actual login page:

* You enter a valid username and password.
* You click the login button and verify that it logs in successfully.
* You check if the password is masked and the button behaves correctly.

This is **validation**—you’re confirming that the system works as expected for the user.

* **💡 Interview Tip**

When asked this in interviews, you can say:

“Verification is about ensuring the product is built correctly according to specifications—like reviewing requirements and test cases. Validation is about ensuring the product meets user expectations—like executing test cases and confirming actual behavior. For example, in my last project, I verified the test coverage for a payment module by reviewing the test design, and validated it by executing end-to-end scenarios including edge cases like expired cards and failed transactions.”

Let’s dive deeper into the difference between **verification** and **validation**, especially from the perspective of a **functional tester** like you.

* **✅ Verification vs. Validation: Detailed Breakdown**

| **Aspect** | **Verification** | **Validation** |
| --- | --- | --- |
| **Definition** | Ensures the product is built correctly as per specs | Ensures the product meets user needs and expectations |
| **Type of Testing** | Static testing (no code execution) | Dynamic testing (code execution involved) |
| **Focus** | Process-oriented | Product-oriented |
| **Performed During** | Early stages (requirement/design reviews) | Later stages (after development) |
| **Performed By** | Developers, BAs, QA leads | QA testers, UAT testers, end users |
| **Examples** | Reviews, walkthroughs, inspections | Functional testing, system testing, UAT |

* **🧪 Real-Time Examples from a Functional Testing Project**
* **🔍 Verification Example**

You’re working on a banking application. The requirement document says:

* The “Transfer Funds” button should be disabled until both account numbers and amount are entered.
* The confirmation page should show transaction ID and timestamp.

You perform a **requirement review** and **test case walkthrough** to ensure these rules are covered. You don’t run the application yet. This is **verification**—you’re checking if the system is being built according to the specs.

* **✅ Validation Example**

You execute the test cases on the actual banking application:

* You enter valid account numbers and amount.
* You click “Transfer Funds” and verify that the transaction completes and the confirmation page shows the correct details.

This is **validation**—you’re confirming that the system behaves as expected for the user.

* **💡 How to Answer This in Interviews**

“Verification is about ensuring the product is built correctly according to specifications—like reviewing requirements and test cases. Validation is about ensuring the product meets user expectations—like executing test cases and confirming actual behavior. For example, in my last project, I verified the test coverage for a payment module by reviewing the test design, and validated it by executing end-to-end scenarios including edge cases like expired cards and failed transactions.”

what is difference between quality assurance and quality control, give me answer with real time examples

* **Copilot said:**

**Copilot**

You asked for the difference between **Quality Assurance (QA)** and **Quality Control (QC)** with real-time examples. Based on internal communications and external resources, here’s a clear and practical explanation tailored to your role as a **functional tester**.

* **✅ Core Differences Between QA and QC**

| **Aspect** | **Quality Assurance (QA)** | **Quality Control (QC)** |
| --- | --- | --- |
| **Focus** | Process-oriented | Product-oriented |
| **Objective** | Prevent defects before they occur | Detect defects after they occur |
| **Approach** | Proactive | Reactive |
| **Activities** | Reviews, audits, process improvement | Testing, inspections, defect identification |
| **Responsibility** | Involves all teams (Dev, QA, BA, PM) | Primarily QA/test team |
| **Timing** | Throughout development lifecycle | After development, during testing |

* **🧪 Real-Time Examples**
* **🔍 Quality Assurance Example**

In a banking application project, your team conducts **requirement reviews**, **test case walkthroughs**, and **process audits** before development begins. You ensure that:

* Requirements are clear and testable.
* Test cases cover all functional flows.
* The team follows a defined test strategy and coding standards.

This is **QA**—you’re preventing defects by improving the process.

* **✅ Quality Control Example**

Once the banking application is developed, you execute **functional test cases**, perform **regression testing**, and log defects in Jira. You validate:

* Login functionality
* Fund transfer workflows
* Error messages and edge cases

This is **QC**—you’re detecting defects in the actual product.

* **📘 Internal Reference**

The email QMS Release Highlights: Dec 2023 - Jan 2024 outlines updates to LTIMindtree’s Quality Management System (QMS), including internal audit checklists and process manuals for contract management, estimation, and business continuity

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. These updates reflect **QA practices**—standardizing processes to prevent issues.

* **🌐 External Insights**

According to the [Management and Strategy Institute](https://www.msicertified.com/wp-content/uploads/2025/04/Quality-Assurance-vs-Quality-Control-Key-Differences-Examples-and-Best-Practices-Guide.pdf)

2

:

* **QA in software** includes code reviews and design documentation.
* **QC in software** includes functional testing and bug reporting.
* **Interview Tip**

When asked this in interviews, you can say:

“Quality Assurance is about improving the process to prevent defects—like reviewing requirements and test plans. Quality Control is about testing the actual product to find defects—like executing test cases and logging bugs. In my last project, I contributed to QA by reviewing test coverage and aligning with business requirements, and to QC by validating workflows and reporting issues during UAT.”

**Complete test plan documentation**

A comprehensive Test Plan Document for an Audio Video Calling functionality application should include the following key sections:

1. Introduction

Purpose of the test plan

Scope of testing

Overview of the application features

2. Test Strategy

Types of testing to be performed (e.g., functional, UI, performance, security, compatibility)

Testing levels (unit, integration, system, acceptance)

Automation strategy (tools, scope, limitations)

Entry and exit criteria

3. Test Objectives

Specific goals for testing audio and video call features

Quality attributes to be validated (e.g., clarity, latency, stability)

4. Test Environment

Hardware and software requirements

Network configurations

Supported platforms and devices

5. Test Deliverables

Test plan document

Test cases and scripts

Test summary reports

Defect logs

6. Requirements Traceability Matrix (RTM)

Mapping between requirements and test cases

Ensures coverage and validation of all functional requirements

7. Test Cases

Detailed test cases with:

Test case ID

Title

Preconditions

Test steps

Expected results

Actual results

Status (Pass/Fail)

8. Test Schedule

Timeline for test activities

Milestones and deadlines

9. Roles and Responsibilities

Test manager

Test engineers

Automation engineers

QA leads

10. Risk Analysis

Potential risks (e.g., unstable network, device incompatibility)

Mitigation strategies

11. Defect Management

Defect lifecycle

Severity and priority classification

Tools used for tracking

12. Approval and Sign-off

Stakeholders responsible for reviewing and approving the test plan

what does a test strategy document should contains, give me example

A **Test Strategy Document** outlines the overall approach to testing a software application. It serves as a high-level guide for the testing process and ensures alignment across teams. Here's what it should contain, followed by an example tailored for a **banking application**:

1. **📋 Sections in a Test Strategy Document**
2. **Introduction**
   * Purpose of the document
   * Scope of testing
   * Target audience
3. **Testing Objectives**
   * What the testing aims to achieve (e.g., validate functionality, ensure security)
4. **Test Scope**
   * In-scope features/modules
   * Out-of-scope items
5. **Testing Types**
   * Functional Testing
   * Integration Testing
   * Regression Testing
   * Performance Testing
   * Security Testing
   * User Acceptance Testing (UAT)
6. **Test Approach**
   * Manual vs. automated testing
   * Tools and frameworks to be used
   * Test data management
7. **Test Environment**
   * Hardware/software requirements
   * Network configurations
   * Test environments (e.g., staging, QA)
8. **Roles and Responsibilities**
   * QA Lead
   * Test Engineers
   * Automation Engineers
   * Business Analysts
9. **Deliverables**
   * Test Plan
   * Test Cases
   * Test Scripts
   * Defect Reports
   * Test Summary Report
10. **Risks and Mitigation**
    * Potential risks (e.g., delayed builds, unstable environments)
    * Mitigation strategies
11. **Entry and Exit Criteria**
    * Conditions to start and stop testing
12. **Approval and Sign-off**
    * Stakeholders who will review and approve the strategy
13. **🏦 Example: Test Strategy for Banking Application**
14. **1. Introduction**

This document defines the testing strategy for the online banking application, covering modules such as login, fund transfer, account summary, and transaction history.

1. **2. Testing Objectives**

* Ensure secure and accurate financial transactions.
* Validate user authentication and authorization.
* Confirm compliance with banking regulations.

1. **3. Test Scope**

* **In Scope**: Login, fund transfer, account summary, transaction history.
* **Out of Scope**: ATM integration, third-party payment gateways.

1. **4. Testing Types**

* Functional Testing for all modules.
* Security Testing for login and fund transfer.
* Performance Testing under high transaction loads.
* Regression Testing after each release.

1. **5. Test Approach**

* Manual testing for UI and exploratory scenarios.
* Automation using Selenium for regression.
* API testing using Postman.

1. **6. Test Environment**

* QA and staging environments with mock banking data.
* Devices: Desktop, mobile browsers.

1. **7. Roles and Responsibilities**

* QA Lead: Strategy and coordination.
* Test Engineers: Manual and automated test execution.
* Business Analysts: Requirement clarification.

1. **8. Deliverables**

* Test Plan Document
* Test Cases and Scripts
* Defect Logs
* Final Test Summary Report

1. **9. Risks and Mitigation**

* **Risk**: Delayed environment setup.
* **Mitigation**: Use cloud-based test environments.

1. **10. Entry and Exit Criteria**

* **Entry**: Requirements finalized, environment ready.
* **Exit**: All critical test cases passed, no high-severity defects.

1. **11. Approval and Sign-off**

* QA Manager
* Product Owner
* Compliance Officer

How to do ensure test case coverage for given requirements , example for banking application

To ensure **test case coverage** for given requirements—such as those in a **banking application**—you can follow a structured approach that maps each requirement to one or more test cases. Here's how to do it, along with a practical example:

1. **✅ Steps to Ensure Test Case Coverage**
2. **Understand and Document Requirements**
   * Gather all functional and non-functional requirements.
   * Break them down into atomic, testable components.
3. **Create a Requirements Traceability Matrix (RTM)**
   * Map each requirement to corresponding test case(s).
   * This ensures every requirement is validated by at least one test.
4. **Design Test Cases**
   * Include positive, negative, boundary, and edge cases.
   * Cover UI, backend, integration, and security aspects.
5. **Review and Validate**
   * Peer review test cases against requirements.
   * Use tools or manual checks to confirm full coverage.
6. **Automate Coverage Analysis (if applicable)**
   * Use test management tools (e.g., JIRA, TestRail, Zephyr) to track coverage metrics.
7. **🏦 Example: Banking Application RTM**

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirement ID** | **Requirement Description** | **Test Case ID(s)** | **Test Case Description** |
| REQ-001 | User can log in with valid credentials | TC-001, TC-002 | Verify login success and failure scenarios |
| REQ-002 | User can view account balance | TC-003 | Validate balance display after login |
| REQ-003 | User can transfer funds between accounts | TC-004, TC-005 | Test fund transfer with valid and invalid data |
| REQ-004 | User receives OTP for transactions | TC-006 | Confirm OTP generation and validation |
| REQ-005 | System logs out after inactivity | TC-007 | Check auto logout after timeout |

1. **📌 Tips for Banking Applications**

* Include **security testing** (e.g., SQL injection, session hijacking).
* Validate **compliance** with standards like PCI-DSS.
* Test **edge cases** like overdraft, invalid account numbers, and network failures.

What is entry and exit criteria give me with an example

Entry and Exit Criteria are essential components of a test plan or test strategy document. They define the conditions under which testing can begin (entry) and when it can be considered complete (exit).

* **✅ Entry Criteria**

These are the prerequisites that must be met before testing starts.

* **Example: Banking Application**
* Business and functional requirements are finalized and signed off.
* Test environment is set up and stable.
* Test data is available and validated.
* All necessary tools (e.g., defect tracking, test management) are configured.
* Test cases are reviewed and approved.
* Code for the module (e.g., fund transfer) is deployed to QA.
* **✅ Exit Criteria**

These are the conditions that must be satisfied to conclude testing.

* **Example: Banking Application**
* All planned test cases are executed.
* All critical and high-severity defects are resolved and verified.
* Regression testing is completed with no major issues.
* Test summary report is prepared and shared.
* Stakeholders have signed off on the test results.
* Application meets performance and security benchmarks.
* **📌 Summary Table**

| **Criteria Type** | **Example Conditions for Banking App** |
| --- | --- |
| **Entry** | Requirements signed off, environment ready, test cases approved |
| **Exit** | All tests executed, critical bugs fixed, stakeholder sign-off |