



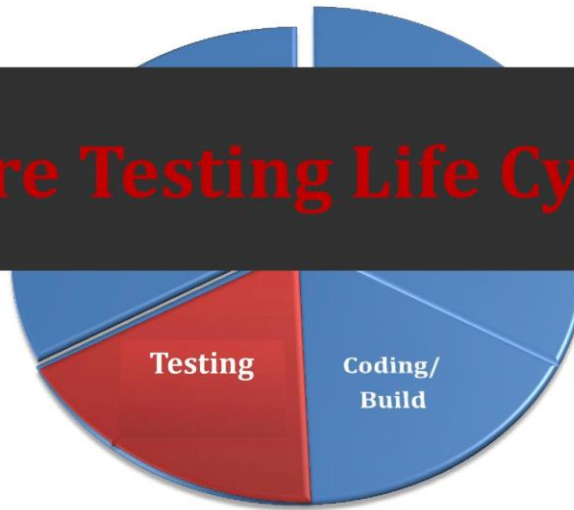
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Delivering Talent to the Industry

Software Testing Life Cycle



Software Testing Life Cycle



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STLC (Software Testing Life Cycle)



**Test
Planning**

1. How are we going to test it?
2. What facilities are required?
3. What time & training to testing?

Out Come: Test Plan



**Test
Planning**

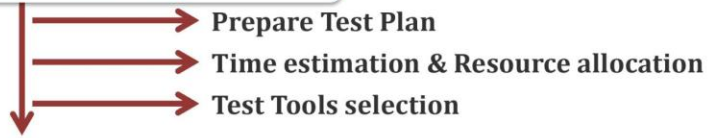
1. Prepare test plan
2. In scope & Out scope
3. Selection of testing tools
4. Time estimation & Resource allocation
5. Training requirements

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Test Planning



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Test Case
Development

1. What is required to test this medicine?
2. What are the steps to complete the test?
3. How to verify the results?

Out Come

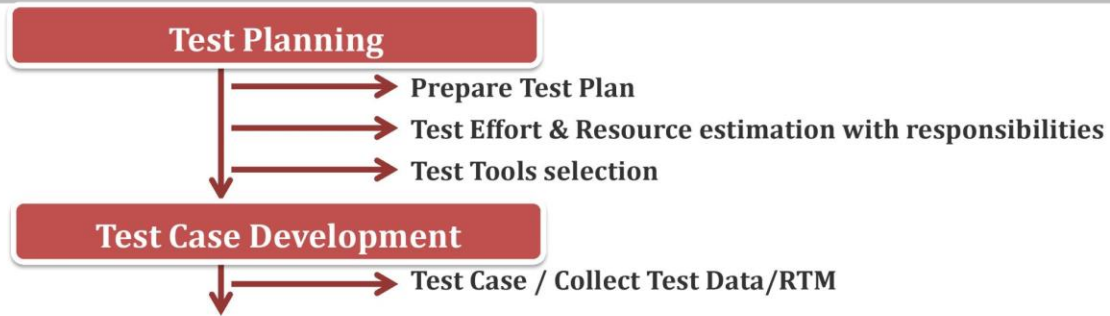
- Test Cases
- Collect Test Data
- RTM



1. Prepare test cases & define the steps to execute test cases
2. Prepare /Collect test data
3. Create RTM

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Test
Environment
Setup

1. Where should we apply this vaccine?
2. Before applying the vaccine, what should we know about the pig?

Out Come
Environment with test data setup

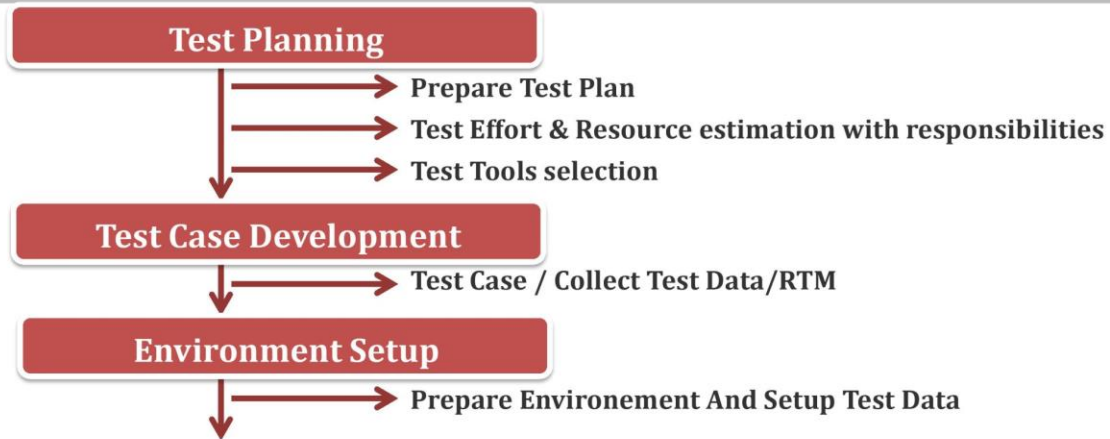


Test
Environment
Setup

1. Setup the test environment
2. Test Data setup.

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Test Execution
& Log Defect

1. Apply vaccine according to dose.
2. Document the result.
3. If any side effect is found/dies/other side effect, then change vaccine.
4. If no side effect found, then result found.



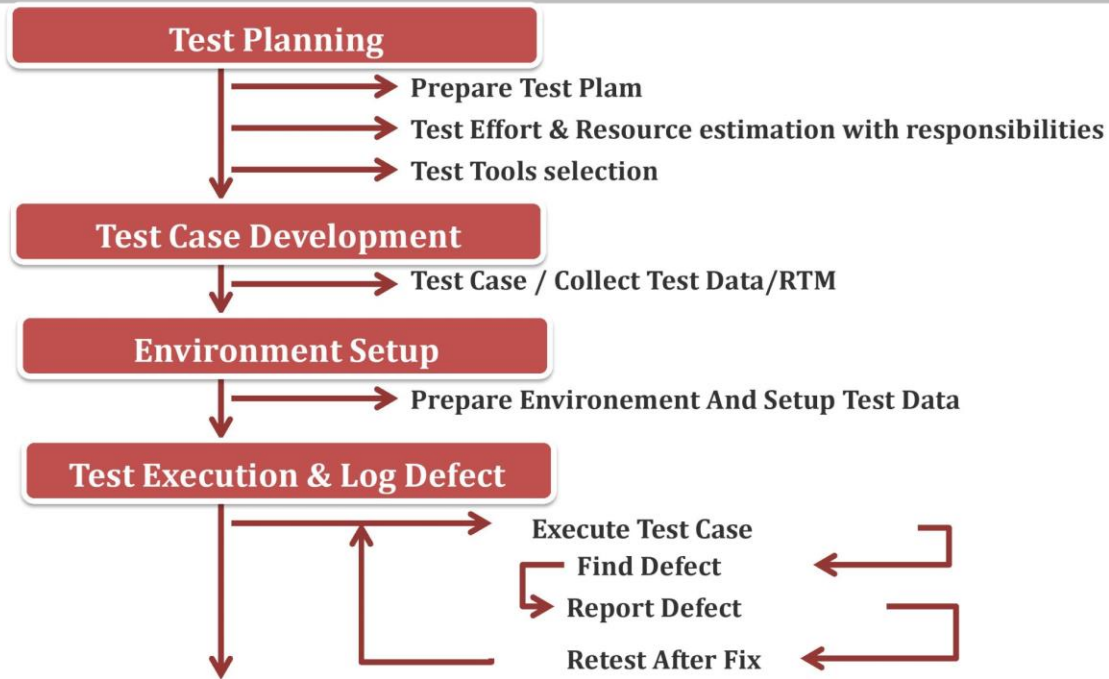
Test Execution
& Log Defect

1. Execute Test Cases
2. Document Test Results
3. Inform /log defect if any Test Case fail
4. Retest once defect is fixed

Out Come
➤ **Test Execution Result**
➤ **Defect Report**

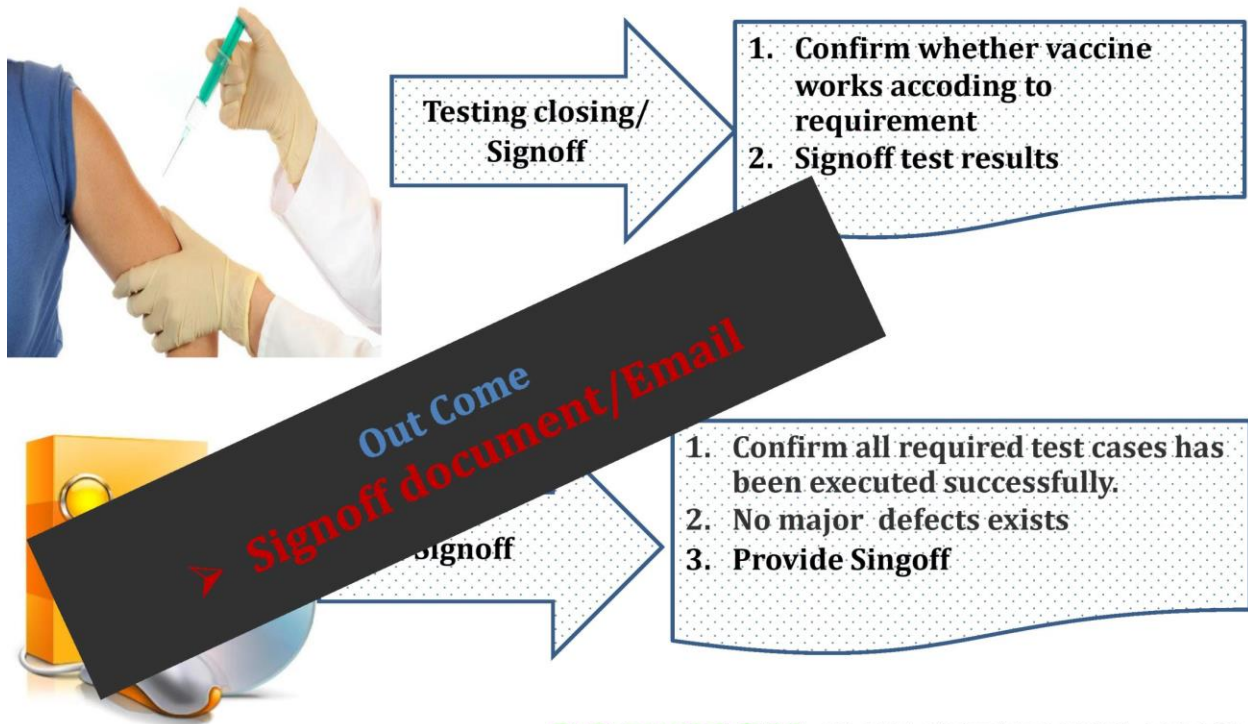
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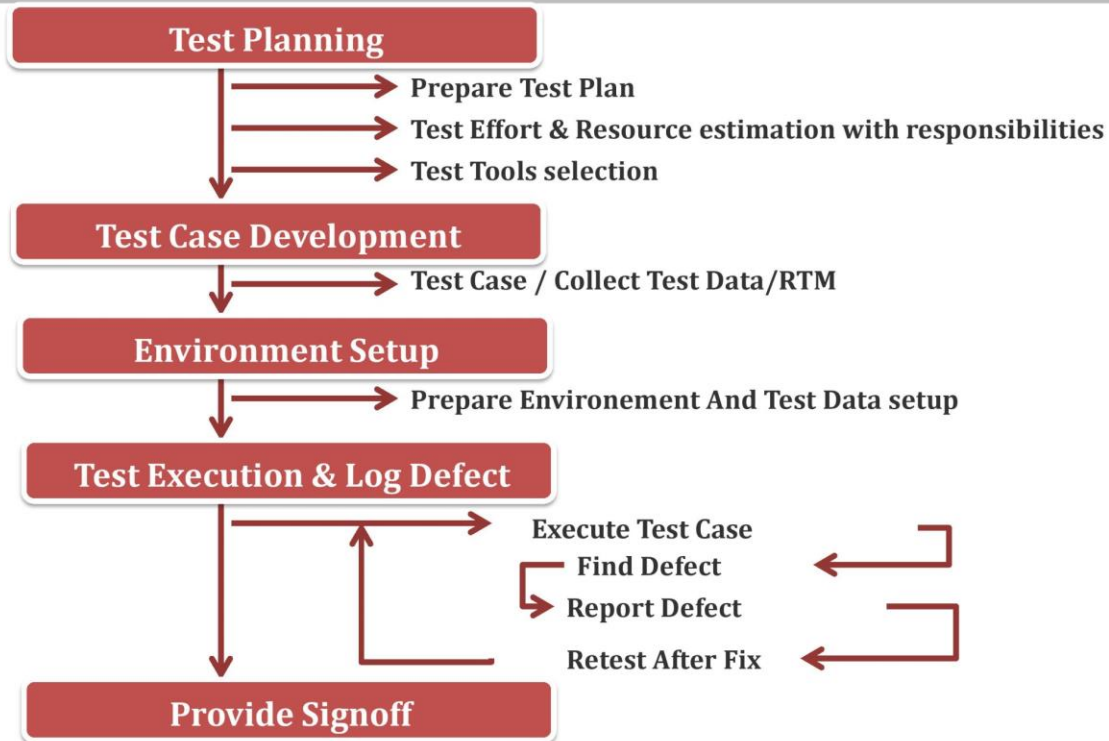
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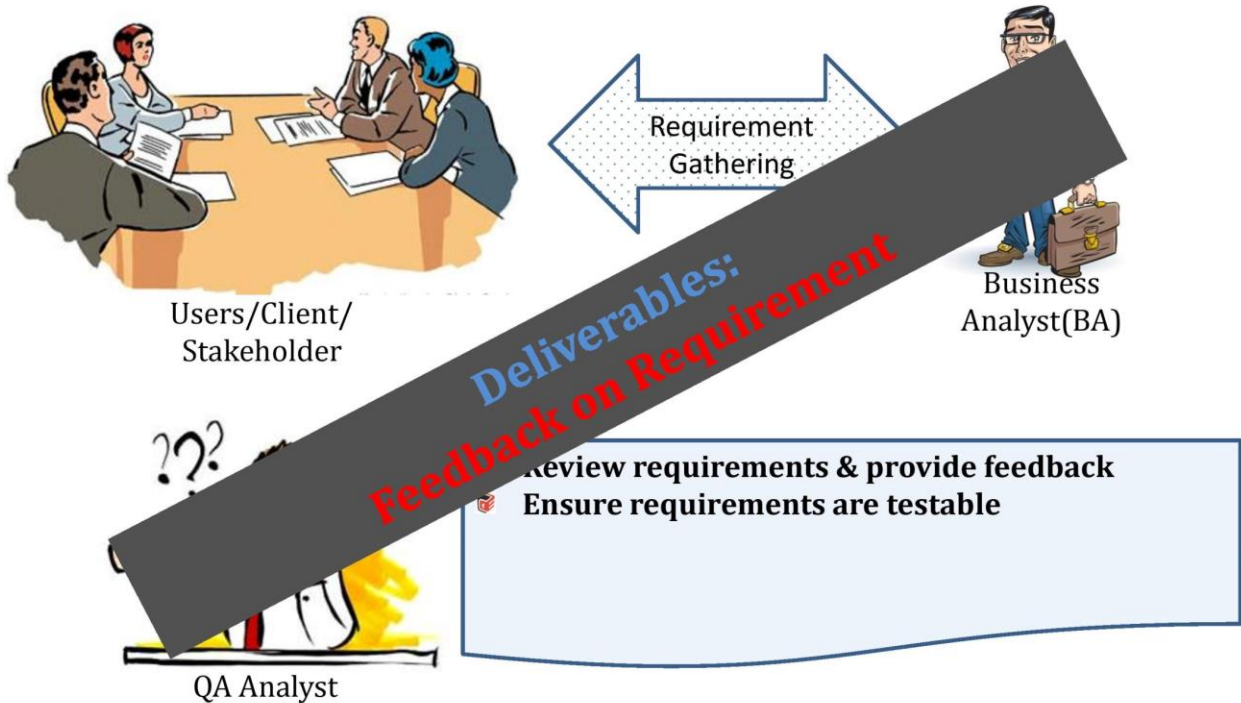
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Requirement Analysis



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Design



Business Analyst(BA)

BA provides BRD to Architect to Start Design



Software Architect



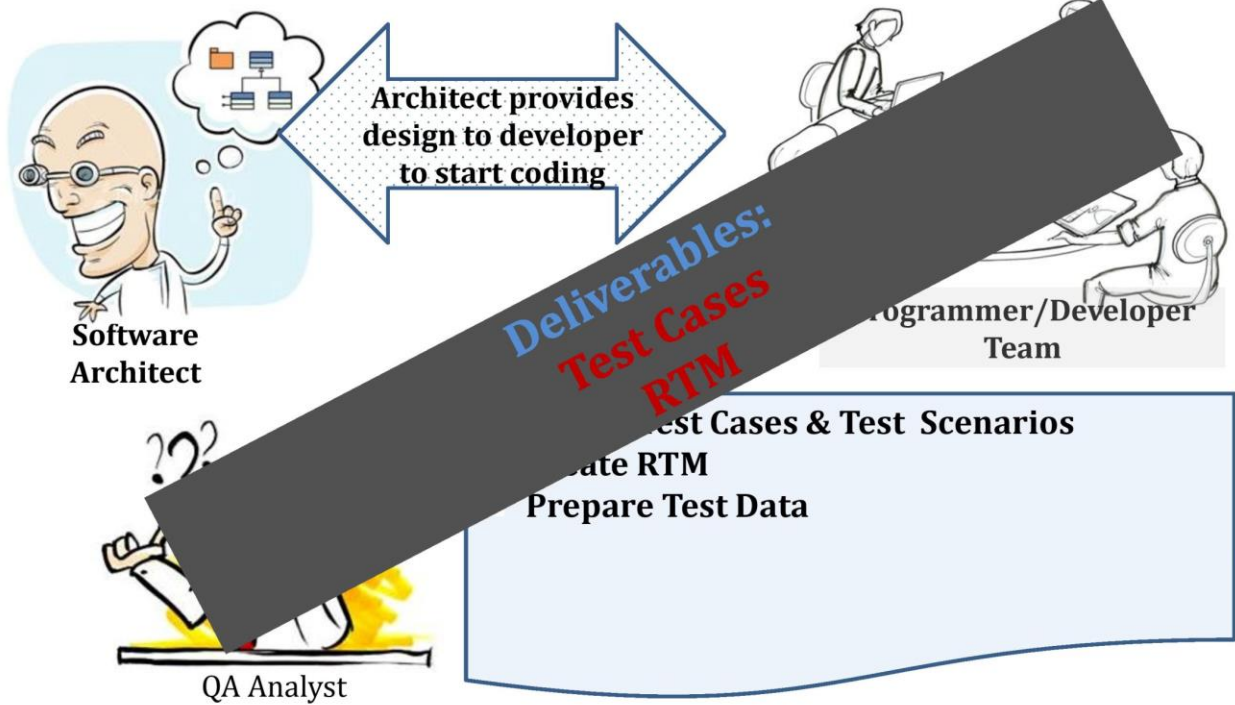
QA Analyst

Deliverables:
Test Plan

- Develop Test Plan
- Tools selection
- Resource Allocation
- Testing Strategy

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Development



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Testing



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Question & Answer



Summary of Key Concepts



- 📌 STLC (Software Testing Life Cycle) start from creating Test Plan, Developing Test Cases, Test Environment and Test Data Setup, Executing Test Cases and logging defects and Provide Signoff.
- 📌 Test Plan is details document describes how the testing will be conduct.
- 📌 Test Plan contains testing tools selection, time estimation, resource allocation ,training requirements and milestone etc.
- 📌 In development stage QA Analyst prepares Test Cases, Collect Test Data and RTM(Requirement Traceability Matrix).
- 📌 In Environment setup stage QA Analyst Setup Test Data.
- 📌 In Test Execution/Log Defect Stage QA Analyst execute test cases and enter defects, verify fixed defects, provide daily testing status report.
- 📌 In Signoff stage QA Analyst provide signoff on test completion.
- 📌 QA Analyst's Responsibilities in SDLC
 - 📌 **Requirement Analysis:** Review requirements & provide feedback and Ensure requirements are testable.
 - 📌 **Design:** Develop Test Plan, Tools selection, Resource Allocation, Testing Strategy.

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Summary of Key Concepts



- QA Analyst's Responsibilities in SDLC
 - Development: Create Test Cases & Test Scenarios, Create RTM, Collect Test Data.
 - Testing: Execute Test Cases, Log Defects, Send daily status reports, Testing signoff.
- QA Analyst/Tester doesn't have any participation in Deployment and Maintenance Phase of SDLC.

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Interview Tips

- 👤 Can you please tell me the QA Testing process from your previous experience?
- 👤 Did you write test plan? What should be included in test plan?
- 👤 What was your role during requirement phase?
- 👤 What did you do when developer is developing the application?
- 👤 What is the first thing you do when developer push the code in QA?
- 👤 What do you do when testing is complete?
- 👤 what do you do when code is in production?

