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**Manual Testing by Vaibhav Sir**

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# Test Documentation –

**Q. What is your organization Test documentation?**

* Test Document hierarchy.

Quality control – QC/

Testing Head -TH

Company Level document

**Test Plan**

**Test Methodology**

**Test Strategy**

**Test Policy**

Test Strategist – TS & PM

Project manager – PM

TRM

Team Lead – TL

**Test Scenario/ Case**

Team Lead – TL

Tester – Tester

Project Level document

**Test Procedure/Design**

**Test Script/ Execution (Test Proof)**

**Defect Report**

**Test Summary Report**

**Final Report/ Test closer Report**

**Test Policy**

* Test policy defines the **Objective** of the Project.
* Test Policy is decided by **Test Head**
* Test Policy is **the company level document.**

**Test Strategy.**

* Test Strategy defines as which approach is going to apply to fulfill the project objective.
* Test strategy is a Company level document.
* E.g. which language is going used like Java, Python, JavaScript etc, Which Tools used Eclipse, JIRA, TestComplete. Automation Testing Tool
* Test Strategy is defined by Test Strategist.

**Test Methodology (PM)**

* Test methodology defines which environment which we are going to us for fulfill the strategy.
* **Project Manager** decides the test methodology.
* Test Methodology documents are Project level documents.
* PM will prepare TRM Test Responsibility Matrix
* In the **TRM it defines the development stages are mapped with the testing factors.**
* While Preparing TRM generally considers
  + Project Requirements.
  + Project Scope.
  + Risk in Project.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Development Stage  Testing Factor | Info Gathering / Analysis | Design | Coding | Testing | Maintenance |
| System and Functionality Testing. | No | No | YES | YES | YES |
| Security Testing | NO | No | No | YES | YES |
| Performance | NO | No | No | YES | YES |
| Usability Testing | NO | NO | YES | YES | YES |

**Test Plan**

* Test plan consist of **Resource Allocation, Job Allocation** ( 4 QA , 2 QA – Manual, 1QA – Manual/Automation – Lead : Automation)
* Test plan consist of the Estimation
* Test Plan documents are Project level document
* Test Plan document is prepared by **Team Lead.**

**Test Scenario/ Case or Test Case Design**

* QA will identify the testing scenarios.
* Based on the scenarios QA will design (Write) test cases.
* These documents are project level documents.

**Test Case Execution and Test Proof and Defect Logging.**

* In the test case execution; QA execute all the test cases designed as per the user story.
* While performing or While executing the test cases QA prepares the Test Proof (QA Captures the Screenshot or Videos if required)
* While executing the test cases if any of test cases fail or QA found any defect then QA will log a defect.

**Test Summary Report / Test Closure Report**

* Test Lead will create a Test Summary Report and Test Closure Report
* It consist of **No of Test Cases Designed, No Test Cases Executed, No Test Cases Pass, No Test Cases Fail, No Test Cases Skipped.**
* Test Summary Report and Test Closure reports are Project level document.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| QA | **No of Test Cases Designed** | **No Test Cases Executed** | PASS | FAIL | SKIPPED | US Assigned |
| Sachin | 50 | 50 | 49 | 01 | 0 | 4 |
| Prajakta | 25 | 25 |  |  |  |  |
| Nitin | 20 | 20 |  |  |  |  |
| Seema | 05 | 05 |  |  |  |  |

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**Software Testing Life Cycle (STLC)**

**BRS**

Testing

Development

**SRS/FRS/CRS**

**Design Test Initiation Stage**

**Coding Test Plane**

**STLC**

**Unit Testing Test Case Design**

**SDLC**

**Integration Testing Test Case Execution & Closer**

**(Install Build)**

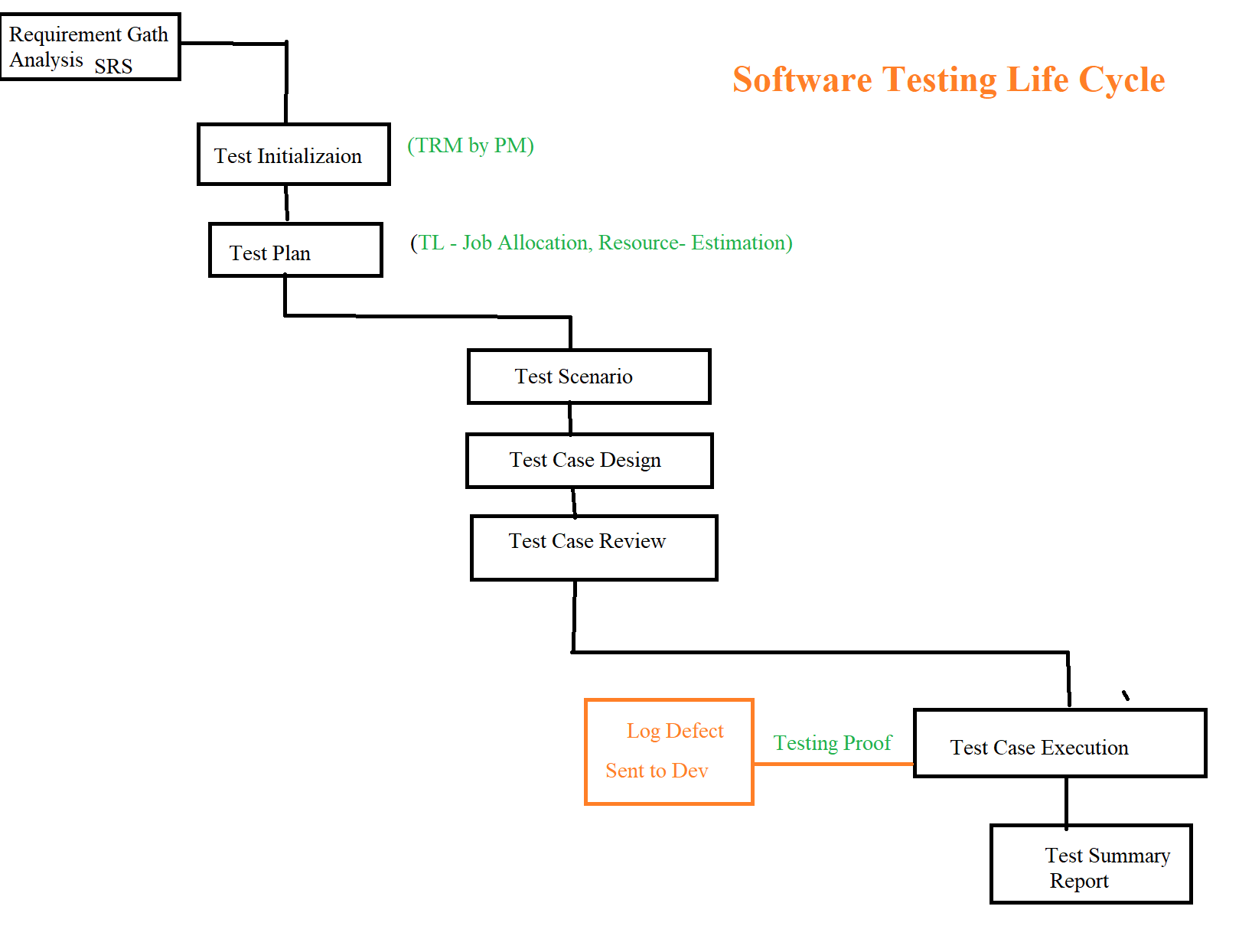
**Level 0 Sanity/ Smoke Testing (**Check theStability of build)

**Level 1 BBT/ System & function testing (**Intern & External**)**

**(**If found **defect** sent to developer) (Inform throw **JIRA**)

**Level 2 Retesting / Regression Testing on Modified built.**

**Level 3 Final Regression Testing.**



**Test Initialize. (PM - TRM)**

* In the Test Initialization Test Responsibility Matrix TRM document is prepared by PM.
* Once TRM document is finalizes it send to the Team (QA and Dev)
* In the TRM, Dev Stages are mapped with the testing factors.

**Test Plan.**

* The purpose of the Test plan is to Plan the Sprint from Starting Date to ending date of the Sprint.
* E.g. Sprint Start Date – 28/11/2022 and Sprint End Date – 12/12/2022.
* 10 Days. – 4 QA - (Work?? 16 US, Automation – 15 TC Automate) – Work Distribute.
* Test Plan is prepared by Team Lead (TL) QA.
* It consist of No of QA available, Environment, Work Allocation and Estimation.

Resource Allocation – JOB Allocation – Estimation

What to Test – When to Test – How to Test

Test Scenario

Test Case Design