STLC Overview:

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--> Software Testing Life Cycle (STLC) is defined as a sequence of activities conducted to perform Software Testing.

--> Each of these stages have a definite Entry and Exit criteria;

Entry Criteria:

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

Exit Criteria:

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Exit Criteria defines the items that must be completed before testing can be concluded.

Phases of STLC:

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1.Requirement Analysis

2.Test Planning

3.Test Design

4.Test execution

5.Sign Off

1.Requirement Analysis:

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Entry Criteria: Contracts, BR Document

--> Understanding the requirements

--> Clarification of doubts in query logs through walkthrough session

--> Identify types of tests to be performed

--> Get application access

Exit Criteria: Finalized scope.

2.Test Planning:

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Entry Criteria: Finalized scope

--> Preparation of test plan document for various types of testing

--> Test tool selection

--> Resource planning

Exit Criteria: Test Plan.

3.Test Design:

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Entry Criteria: Test Plan

--> Create test scenarios, test cases, automation script, RTM(Requiremnet Tracability Matrix)

--> Create test data

--> Review test cases with peer or lead

--> Get Approval

Exit Criteria: Test Scenarios, Test Case, Test Data, RTM.

4.Test Execution:

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Entry Criteria: Test Scenarios, Test Case, Test Data, RTM

--> Execute tests as per plan

--> Document test results, and log defects for failed cases

--> Track the defects to closure

--> Retest the Defect fixes

Exit Criteria: Execution Result, Defect Log.

5.Sign Off:

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Entry Criteria: Execution Result, Defect Log

--> Evaluate cycle completion

--> Prepare Test closure report

--> Test result analysis

Exit Criteria: Closure Document.