Session 7

STLC (Software Testing Life Cycle) is a part of SDLC’s Testing phase.

Stages:

1. Requirement Analysis
2. **Test Planning**

* It consists of 3 main points
  + **What to Test**

Like which scenarios we should test.

* + **How to Test**

Which type of testing we should conduct, what type of tools we should use.

* + **When** **to** **Test**

It refers to the time when we’re supposed to test. E.x. like specifying particular dates.

* Here Project Plan and Functional Requirements are input documents**.**
* How to test and when to test could be known using Project Plan.
* What to Test is based on Functional Requirements.
* Activities performed
  + Identify test resources
  + Team formation
  + Test estimation
  + Preparation of test plan
  + Reviews on test plan
  + **Test** **plan sign off**
* Here Test Head/Lead plays a major role
* **Outcome** is **Test Plan Document**.

1. Test Design

* It is all about **writing the Test Cases.**
* Here we perform activities like
  + Test scenario preparation
  + Test case preparation
  + Reviews on Test cases
  + **RTM**
  + **Test case sign off.**
* Here Test Engineers are having major role.
* **Outcome: Test cases doc and Traceability matrix.**

1. Test Execution

* Here Functional Requirements, Test plan and cases and **Build from dev.** Are taken as input.
* Activities:
  + Executing Test cases (first is smoke testing)
  + Preparation of Test report/ Test Log.
  + Identifying defects
  + Few
* **Outcome is Test Report**

1. Defect/Bug Reporting & Tracking

* Here we prepare a **defect report-based** Test report and inform it to the Developers.
* **Outcome is Defect Report**

1. Test Closure

* The final stage of STLC in which a summary of test of test report and defect report is made and analyzed.
* An exit criterion should be met.

|  |  |  |
| --- | --- | --- |
| **STLC phase name** | **Entry Criteria** | **Exit Criteria** |
| Test Planning | RTM & feasibility report | Test Plan |
| Test Designing | Test Plan | Test Case Doc. |
| Test Execution | Test Case Doc. | Test case result doc. |
| Defect Report | Test case result doc. | Defect/Bug Report |
| Test Closure | Bug Report | Test Summary Report |

**Q. <iframe>**

An iframe (inline frame) is an HTML element that allows **embedding** another HTML document within a web page.

Ex. GCET college has embedded Google Maps on their web page using iframe tag.

**Q. How to Identify External vs. Internal Links?**

* Internal Links
  + Links that point to pages within the same website or domain.
* External Links
  + Links that point to pages outside the current website or domain.
* How to verify:
  + Inspect href
  + In new tab look for target=”\_blank”