**Test Plan**

A test plan is a detailed document which describes software testing areas and activities. It outlines the test strategy, objectives, test schedule, required resources (human resources, software, and hardware), test estimation and test deliverables.

The test plan is a base of every software's testing. It is the most crucial activity which ensures availability of all the lists of planned activities in an appropriate sequence.

**Types of Test Plan**

There are three types of the test plan

* Master Test Plan
* Phase Test Plan
* Testing Type Specific Test Plans

**Master Test Plan**

Master Test Plan is a type of test plan that has multiple levels of testing. It includes a complete test strategy.

**Phase Test Plan**

A phase test plan is a type of test plan that addresses any one phase of the testing strategy. For example, a list of tools, a list of test cases, etc.

**Specific Test Plans**

Specific test plan designed for major types of testing like security testing, load testing, performance testing, etc. In other words, a specific test plan designed for non-functional testing.

**How to write a Test Plan**

Making a test plan is the most crucial task of the test management process. According to IEEE 829, follow the following seven steps to prepare a test plan.

* First, analyze product structure and architecture.
* Now design the test strategy.
* Define all the test objectives.
* Define the testing area.
* Define all the useable resources.
* Schedule all activities in an appropriate manner.
* Determine all the Test Deliverables.

**Test plan components or attributes**

A diagram of a process

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