**COMPONENTS OF A TEST PLAN:**

* **Test Objectives**: This defines the overall goals and objectives of the testing effort, including what features and functionality of the software will be tested, and what quality standards the software must meet before it can be released.
* **Scope:**This defines the boundaries of the testing effort and what will be included and excluded from the testing process. It also contains information that needs to be tested with respective of an application. The Scope can be further divided into two parts:

In scope: These are the modules that need to be tested rigorously (in-detail).

Out scope: These are the modules, which need not be tested rigorously.

* **Roles and Responsibilities:** This defines the roles and responsibilities of the team members involved in the testing effort, including who will be responsible for creating test cases, executing tests, and reporting defects. It also outlines the communication channels that will be used to keep stakeholders informed about the testing progress.
* **Environment:** Describes the characteristics, setup, and accessibility of the test environment.
* **Tools:**Specifies the tools that will be employed for testing, reporting bugs, and other pertinent activities.
* **Risk Management:** Specifies potential risks that could arise during the testing of the software and the risks the software might face if released without adequate testing.
* **Entry and Exit criteria**

It is a necessary condition, which needs to be satisfied before starting and stopping the testing process.

**Entry Criteria**

The entry criteria contain the following conditions:

White box testing should be finished.

Understand and analyze the requirement and prepare the test documents or when the test documents are ready.

Test data should be ready.

Build or the application must be prepared

Modules or features need to be assigned to the different test engineers.

The necessary resource must be ready.

**Exit Criteria**

The exit criteria contain the following conditions:

When all the test cases are executed.

Most of the test cases must be passed.

Depends on severity of the bugs which means that there must not be any blocker or major bug, whereas some minor bugs exist.