

## How to Learn Manual Testing: Manual Testing for Beginners

Are you a beginner to manual testing looking for a comprehensive guide to making the foundation of your manual testing? If you are furious that how to learn testing then we help you. Nowadays many students are studying and doing jobs in the IT sector and its very competitive field to build your career as a rising sun.

Today, testing plays a critical role in software development and clearly, and given the speed of deployment testing needs to be fast too. However, a robust strategy cannot be dependent on only one testing format.

There are two types of testing available as Manual Testing and Automation Testing that we can use. However, there is still a list of more than 100+ types of testing, but all testing types are not used in all types of projects.

- **Manual Testing** is performed by a human sitting in front of a computer carefully executing the test steps. It will require skilled labour, long time & will imply high costs. It has a critical role in the QA process.
- **Automation Testing** means using an automation tool to execute your test case suite. It saves time, cost and manpower. Once recorded, it's easier to run an automated test suite.

Manual testing is an activity where the tester needs to be very patient, creative & open-minded. All the new application before the automated testing must be tested manually. It requires more efforts, but it is necessary to check automation feasibility. Manual Testing does not require knowledge of any testing tool.

In order to help you, we have compiled an article where you will learn the basic skills and concepts of Manual Testing. But before you start to learn about the software testing you should have the basic knowledge of “What is the Manual Testing?”



## Manual Testing:

What is Manual Testing? Manual Testing is a type of Software Testing where Testers manually execute test cases without using any automation tools. We can say that is the process of manually testing software for defects. It is a testing process that is carried out manually in order to find defects without the usage of tools or automation scripting. One of the Software Testing Fundamental is "100% Automation is not possible".

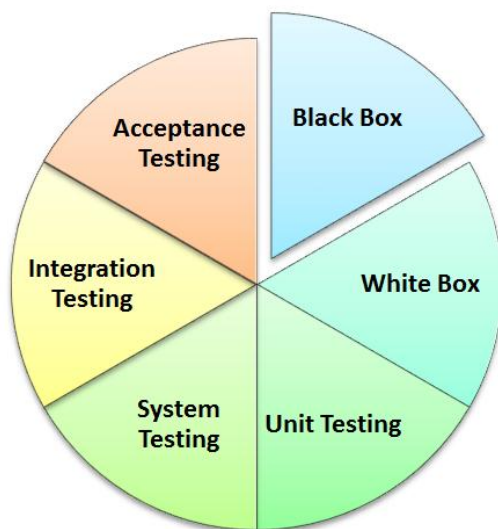
A test plan document is prepared that acts as a guide to the testing process in order to have the complete test coverage. Manual Testing is a type of Software Testing where Testers manually execute test cases without using any automation tools. Manual Testing is the most primitive of all testing types and helps find bugs in the software system.

The main goal of manual testing is to make sure that the application under test is defect free and the software application is working as per the requirement specification document.

**Tool:** Though manual testing does not require any automation scripts, there are lots of special tools that help to perform testing the best way: Jira, qTest, TestRail, QACoverage, EasyQA

## What are Techniques or Types for Testing?

Following are the testing techniques that are performed manually during the test life cycle:



- Acceptance Testing
- White Box Testing
- Black Box Testing
- Unit Testing
- System Testing
- Integration Testing

The main stages for manual testing are: Unit Testing, Integration Testing, System Testing, and User Acceptance Testing.

The main methods of manual testing: Software testing can be broadly classified into the following methods: White Box Testing, Black Box Testing, and Grey Box Testing.

## How to perform Manual Testing

- Read and understand the software project documentation/guides. Also, study the Application Under Test (AUT) if available.
- Draft Test cases that cover all the requirements mentioned in the documentation.
- Review and baseline the test cases with Team Lead, Client (as applicable)
- Execute the test cases on the AUT
- Report bugs.
- Once bugs are fixed, again execute the failing test cases to verify they pass.

## The Importance of Manual Testing:-

Manual testing is the oldest and most rigorous type of software testing. Manual testing requires a tester to perform manual test operations on the test software without the help of Test automation

- Manual Testing is eyeball testing
- Applications with short life cycles.
- Applications that have GUIs that constantly changes
- It requires less time and expense to begin productive manual testing.
- Automation cannot replace human intuition, inference, and inductive reasoning.
- Automation Testing cannot change course in the middle of a test run to examine something that had not been previously considered.
- Manual QA testing can be used in both small and big projects.
- Easily we can update our test case according to project movement.
- It is covered in the limited cost.
- Easy to learn for new people who are entered into testing.
- Manual QA Testing is more reliable than automation (in many cases automation will not cover all cases)
- Exploratory testing is best done manually
- Manual testing is cost-efficient for tests run only a few times
- Manual testing of UI/UX is most effectively done by humans