

Software Testability

Software Testability is a state of software artifact that decides the difficulty level for carrying out testing activities on that artifact.



Software Testability Metrics

- ☐ Controllability: It defines the control over software and hardware behavior.
- ☐ Observability: Observation of states and factors affecting the Output Of the software.
- ☐ Availability: Defines the availability of the objects or entities, to carry out the testing.
- ☐ Simplicity: It depends upon its functional, structural, and code simplicity.
- ☐ Stability: Software should be stable enough and does not require frequent modification in it.

Key Benefits of Software Testability

- ☐ Enables testers to estimate the difficulty in exploring the defects in the software easily.
- ☐ Decides the scope of automated testing on the software product, based on its controllability.
- ☐ Increased testability ensures the easy and early detection of bugs, thereby saving both time and cost.
- ☐ Calculates and controls the efforts needed by the testers to perform testing.