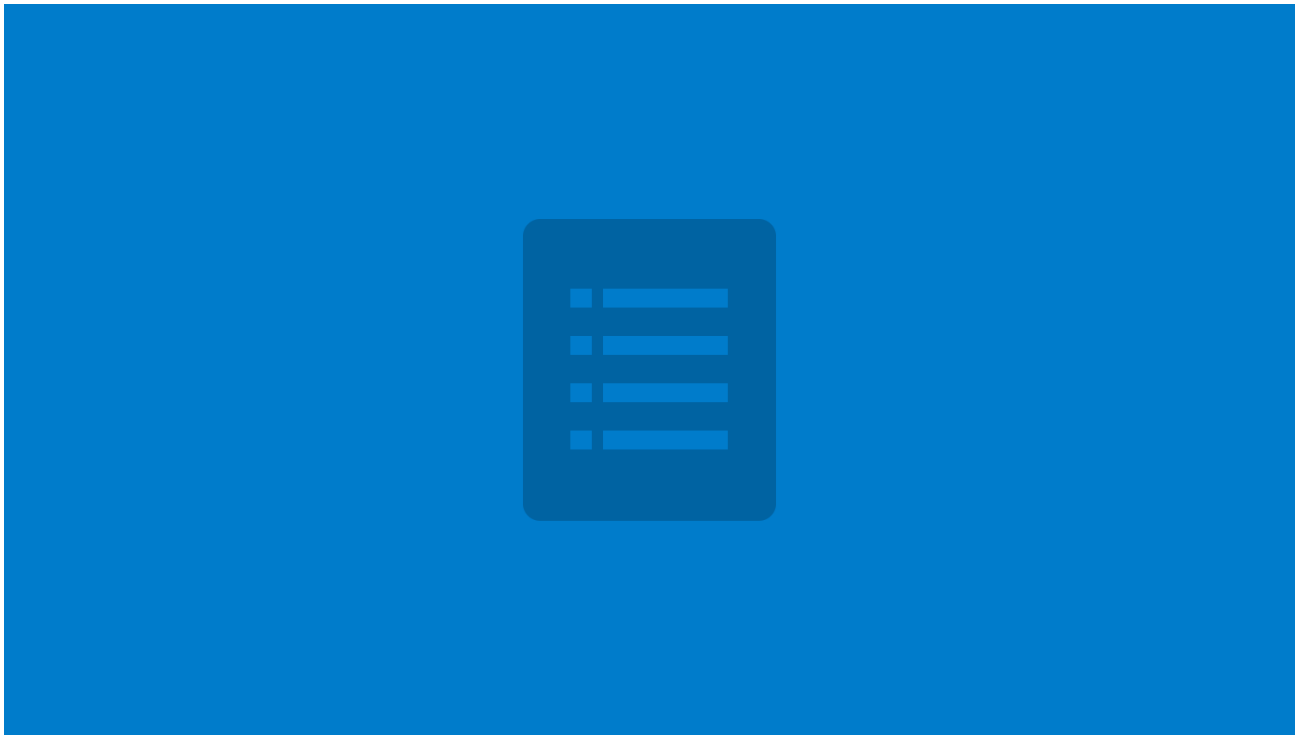
Software Testability

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.

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