

DEBUGGING & TRACEABILITY

Debugging is the process of finding and fixing errors or bugs in the source code of any software. When software does not work as expected, computer programmers study the code to determine why any errors occurred. When an error is found in a set of instructions given to a computer, it is called a bug. The process of finding the error in a set of computer instructions is called debugging. A story from the history of computers explains how the term became firmly attached to computer technology. Traceability is the ability to trace something as it moves through a process. In product development, it refers to the ability to track and trace requirements to artifacts, test runs, and anything else in the product lifecycle. Traceability is the process of reviewing all defined test cases for any requirement. Traceability allows one to determine which requirements generated the most defects during the testing process.