* **System testing**

System testing is a type of software testing that evaluates the overall functionality and performance of a complete and fully integrated software solution. It tests if the system meets the specified requirements and if it is suitable for delivery to the end-users. This type of testing is performed after the integration testing and before the acceptance testing.

**System Testing**is a type of [software testing](https://www.geeksforgeeks.org/software-testing-basics)that is performed on a completely integrated system to evaluate the compliance of the system with the corresponding requirements. In system testing, integration testing passed components are taken as input.

* The goal of integration testing is to detect any irregularity between the units that are integrated. System testing detects defects within both the integrated units and the whole system. The result of system testing is the observed behavior of a component or a system when it is tested.
* **System Testing**is carried out on the whole system in the context of either system requirement specifications or functional requirement specifications or the context of both. System testing tests the design and behavior of the system and also the expectations of the customer.
* It is performed to test the system beyond the bounds mentioned in the [software requirements specification (SRS)](https://www.geeksforgeeks.org/software-engineering-quality-characteristics-of-a-good-srs). System Testing is performed by a testing team that is independent of the development team and helps to test the quality of the system impartial.
* It has both functional and non-functional testing. **System Testing is a black-box testing**. System Testing is performed after the integration testing and before the acceptance testing.

**Types of System Testing**

* [**Performance Testing:**](https://www.geeksforgeeks.org/performance-testing-software-testing)Performance Testing is a type of software testing that is carried out to test the speed, scalability, stability and reliability of the software product or application.
* [**Load Testing:**](https://www.geeksforgeeks.org/software-testing-load-testing)Load Testing is a type of software Testing which is carried out to determine the behavior of a system or software product under extreme load.
* [**Stress Testing:**](https://www.geeksforgeeks.org/stress-testing-software-testing)Stress Testing is a type of software testing performed to check the robustness of the system under the varying loads.
* [**Scalability Testing:**](https://www.geeksforgeeks.org/software-testing-scalability-testing)Scalability Testing is a type of software testing which is carried out to check the performance of a software application or system in terms of its capability to scale up or scale down the number of user request load.