

The 4 testing quadrants

Q1

- Tests here can be automated
- Unit tests are included here
- Technology facing
- Supports the developer

Q2

- System level
- Business facing
- Functional tests belong here
- Tests can be both manual and automatic

Q3

- Business facing
- System/User acceptance test
- Manual tests

Q4

- System/Operational acceptance level
- Focused on performance, load, stress, how maintainable the code is and how scalable
- Special tools can be used here

System testing

System testing is a testing method used to check the quality of the system against a series of specified requirements.

System testing is usually performed by people that are not part of the development team, in order to check the quality of the checked system without bias. It includes both non-functional and functional testing.

Types of system testing: Functionality, Inter-operability, performance, scalability, stress, load and stability, reliability, regression, regulatory and compliance.

Exploratory testing

In exploratory testing, the usually experienced testers learn, using black box techniques, things about the system and based on those things and experience they generate new tests.

Advantages:

- It takes less preparation
- Big defects are found rapidly

Disadvantages:

- Tests cannot be reviewed
- It's hard to know what tests have been performed
- It's difficult to repeat the tests in the same conditions