Descriptive Essay

Quadrant 1

Unit testing. This is automated testing to test the quality of your code and minimize errors due to programming errors.

Quadrant 2

These tests are both automated and manual. They are used to secure the business requirements of the code. Ensure that the program fulfill user story.

Quadrant 3

These are all manual tests. This is what the QA department of a company does. It tests the program from a user's perspective and can only interact with the interface and not the code.

Quadrant 4

This is performance and load testing. Non-functional tests. These are done with tools such as jMeter to test if a web site can handle 1.000 to 100.000 users at once with a good response time.

System Testing

System testing is testing of an entire system. Both the functional and non-functional requirements. The tests are more focused on testing the entire system or big parts of it instead of just a single part.

Exploratory testing

It's another way of testing where you don't plan your testing ahead of time and thereby might be able to find error you wouldn't find otherwise