Descriptive essay

The 4 agile testing quadrants
Quadrant 1:
This is about unit testing and component testing.
It is something done by the developers, and the tests will often be automated, so they will run every time something new is added to the project.
This ensures quality code internally so no one will break another developers code.

Quadrant 2:
In quadrant 2 you focus on tests that will have some relevance for the customer, since they will follow the requirements and fulfill them.
Some of these tests can be performed automatically, but it will require a bit of manual work for them.

Quadrant 3:
Here you will manually sit and test the system. Checking if the project has fulfilled the requirements the customer has set.
It is done by making some small cases and let the a user of the product try it out, to see if it is acceptable

Quadrant 4:
The last quadrant is about optimizing the product by testing the performance, security, stress of the product. It could be try and send a big amount of requests to a server to see if it can handle the load.

System testing
System testing is about testing the product as a whole. You could call it a scenario tests, where you will make up a scenario and test multiple parts of a system at once instead of single parts.
This is done to ensure that the whole project works according to the plan, since there is always the risk of something going wrong even if you have tested every small bit of code separately.

Exploratory testing
Exploratory testing is more a form of thinking about the tests you wanna make.
Usually a tester here is someone who has not coded the project and will get a problem to test.
Unknowingly he will try different inputs to test the problem he is assigned, without being influenced by the code. In this way it is possible to find errors that is not thought up by the coders, resulting in a more well tested project.