In system level tests you are testing a program as a whole unlike if we were using unit level testing. This is not something someone would perform usually at the beginning because it just isn’t effective. So we wait for it be usually after the project is completed. This is the first portion of testing where the entire application is tested ad one complete application. The main goal of this testing is to see if the application meets the technical and functional standards. In a system level test there are usually four types of consistent testing to ensure proper functioning applications:

Security Testing is usually test by consistently going through a program and looking for vulnerabilities. This isn’t really a program or automated test but you need some kind of dynamic free thinking individual to go through and look for issues.

Usability Testing this can start as a get it working testing and as more and more people use it and the problems come to light. This is a test that is used in every program and it’s why many updates continue to happen.

Load Testing is done by trying to overload the program. This is done to see how much it can handle and see what needs to be done if there is more needed.

Graphic Unit Interface Testing this can be tested at the user level but as a program is larger and larger it is best to use both the users and an automated program.

Ad-hoc Testing is done to try and break the system from a user’s perspective. This is to make sure control is retained by the creator and does not allow corruption in the program by someone who shouldn’t.

Usability Testing is done by anyone. It is done to see if there are any issues with actually using the application by using the application and testing the different things in it.

Compatibility Testing is done to ensure that it is compatible with the different platforms and systems that it could be used in.

Exception Testing is done to ensure that it is showing where the issues are. This will help in tracking and finding and seeing errors.

Reliability Testing is a test to see if it is reliable and works the same every time will the probability of not failing.