* The software development life cycle model, the V model is a variant of the waterfall model, with testing activities spread over the entire life cycle. Testing activities are planned in parallel with development.

In hardware, there are essentially only four types of bugs:

1. Stuck at 0

2. Stuck at 1

3. Open circuit

4. Short circuit

Therefore, testing hardware can be easy.

A test case typically tries to establish the correct working of some functionality. The test team is broken down to different roles; panning, scenario and case design, test execution, result analysis, tools support and external people.

Black box test cases are designed using the functional specification of the software, without knowledge of the internal structure.

Unit testing is testing of individual methods, modules, classes, or components in isolation, their carried out before integrating with other parts of the software being developed.