# Testing

Software Testing is an important phase of software development. Software Testing is done to free from the errors from the system, meets the design specifications and software quality. Testing is done to validate and verify if the development solution meets the user requirement. There is numerous testing that can be done to the software.

1. White box: White box testing does the test of internal and logical structure of software.
2. Black box: Black box testing focuses on the inputs and the outputs, but mainly focuses on the output that is generated against the input.
3. Unit test: In unit testing an individual or group of related units are tested.
4. Integration test: A group of combined components is used to produce an output.
5. Functional test: The whole software is tested to ensure that required functionality works.
6. Usability test: It is the test done to check the developed solution is user-friendly.
7. Acceptance test: The evaluation test done by the client to check the requirement specification.

I have done unit testing and black box testing for this project.

## Unit Testing

An individual or a group of related units of functionality are tested so that it gives required output. Unit testing is done to isolate each part and make sure all individual parts are correct. A unit is the smallest testable part of any software

## Blackbox Testing

Blackbox testing is the testing where the functionality of the software is tested. Blackbox testing is also called functional testing. The output is focused without the knowledge of internal implementation. It tests the accuracy of the software.



