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Course: Software Testing

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Class Summary

In today’s class we the lecturer lectured about the different types of testing. A few examples are Black-box testing White-box testing and interface testing. In black-box testing the tester in not made aware of the internals of a piece of software. This method best simulates the experience end-users have while using a piece of software. It may aid in uncovering design flaws which the developers were oblivious to. As such black-box testing is usually executed before white-box testing. White box testing on the other hand allows the end users to be aware of the internals of a piece of software. This enables testers to formulate new test cases and allows for a more thorough testing, however the combination of black-box testing and white-box testing allows for a more thorough testing than white box testing alone but only in the instance where black-box testing is carried out before white box testing.

We were also introduced to Control Flow Graphs or CFGs. A CFG is defined as a finite set of nodes and edges. It describes the sequence of events in an algorithm, similar to a flow chart. The class exercise consisted of testing apps that were built in previous lectures. We were also required to create and test a new created app consisting of simple test cases such as entering text into a text field and pressing a button. Once the simple app was tested we were required to test a more complex app and later apps for other groups from last semister