Testing

* Describes the test cases that have been implemented
* Includes discussion on how these test cases were derived
* Includes discussion on why these test cases are sufficient
* Includes test coverage discussion (next week’s topic)

**Test Case 1:** Testing **IOException** when we input an invalid scenario file

**Derivation:** As we have a try catch block in the file handler method, we need to test the exception output by giving an incorrect file input and checking whether the program throws an IOException. This test case also tests an exception not being thrown when a valid file is input.

**Sufficiency:** This test case will cover there not being a file input. There can only be 2 cases: the file input is valid, and the file input is not. This test case covers both situations.

**Test Coverage:** To be discussed next lecture

**Test Case 2:** Testing **Boolean value of IsVisual** when we choose an option in the popup

**Derivation:** We need to test if the software responds correctly when the IsVisual is true/false

**Sufficiency:** This test case will cover any situations where the Boolean value for IsVisual is incorrectly assigned

**Test Coverage:** To be discussed next lecture

**Test Case 3:**

**Derivation:**

**Sufficiency:**

**Test Coverage:** To be discussed next lecture

**Test Case 4:**

**Derivation:**

**Sufficiency:**

**Test Coverage:** To be discussed next lecture