

Project Description

for(1=1;) i<=rows; ++i)

at hw, part, hwp; float total=0;

to = *from++:

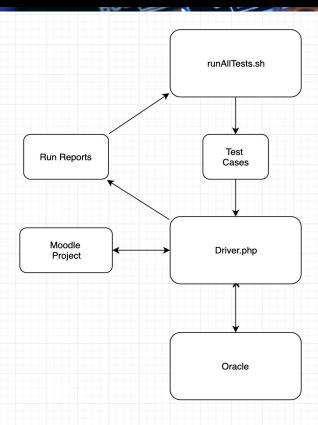
} while (--n > 0):

For our project we will be testing various methods from the open source software Moodle. We will be testing five methods with five different test inputs. These results will be recorded and output to an HTML file. Once the original methods are tested, we will inject faults into the moodle code to see if our test cases are written well enough to detect the faulty code. These output of these tests will be written to an HTML file to view the results.

alscore(float totalscore)

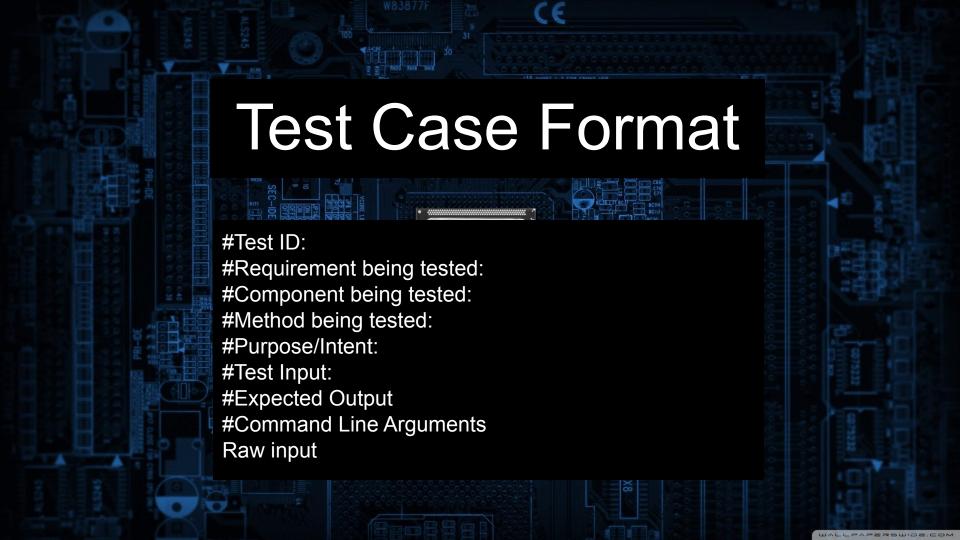
int rows, coef = 1, space, i, i; >++

Project Architecture





- Call a bash that loops through all of our test cases files
- The necessary data is aggregated and assigned to variables
- The expected output is then written to the oracle
- The bash script navigates to the directory in moodle to run the method
- The method being tested is run with the test cases input
- The output of the method is written to a text file
- The expected output, actual output, and the result of comparing the two are written to and saved in an HTML file

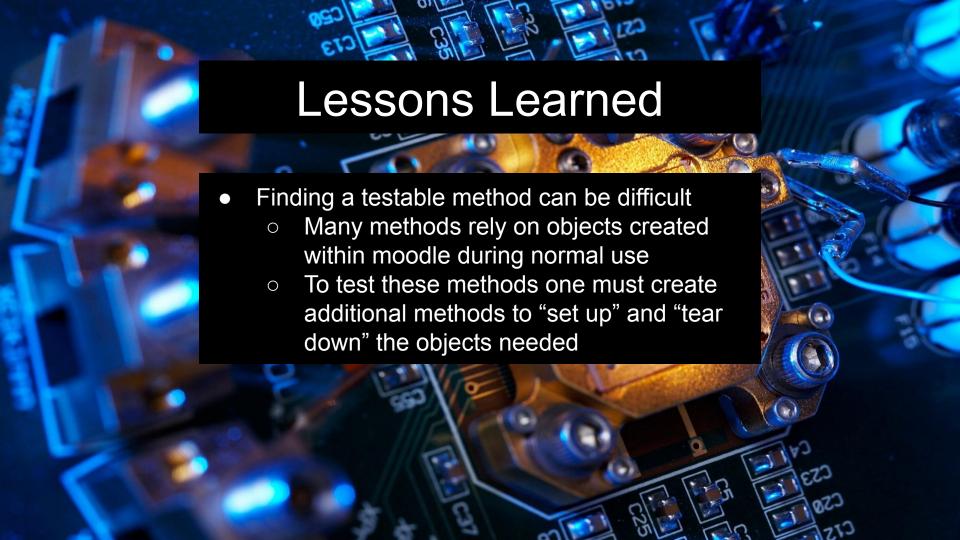


Test Case Example

All or modifier of

ext.active_ou,

```
#Test ID: 001
#Requirement being tested: Tokenize accepts a string as a parameter.
The method returns an array of all the words passed to it as individual
elements excluding one letter words and repeated words
#Component being tested: moodle/grade/grading/lib/tokenize
#Method being tested: tokenize()
#To verify that the tokenize method works properly
#Test: "You are fish"
#Oracle: ["You", "are", "fish"]
#Command line arguments: php phpdriver
"You are fish"
```







- Fault injection results go here
- And here
- More here
- Even more still
- Also here
- Maybe even here