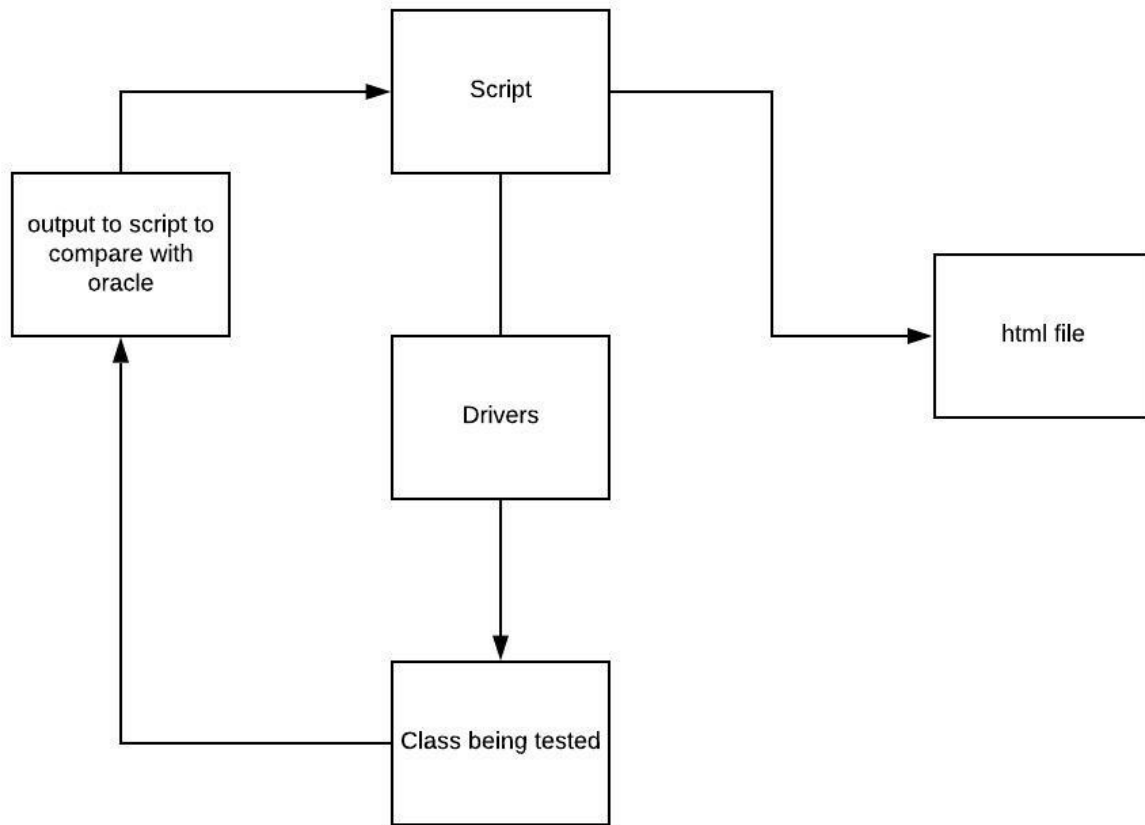# Deliverable 3

Report

Since switching projects to OpenMRS things have been going easier. Unfortunately, last class we found out that we have lost a group member which has slowed us down a bit with redistributing his portion of work but now that we are the original Team 2 communication has been easier as well as work ethic. We have the script to run our drivers completed. Our only now issues are the drivers themselves. We are having trouble connecting the script with the drivers in order to produce meaningful results.

Architectural Framework

Our framework consists of a runTest.sh script that controls the flow of our automation and sets up an html file for test reporting. The script then reads in our testCase#.txt files contained within our testing Directory which calls our drivers to perform their tasks (which also read their inputs from the testCase#.txt files) thte drivers then output their results to the html file created in the beginning. Finally the script compares the actual output with the oracle to determine if the test Passed or

failed.

5 Test Cases

- isValid(String identifier) returning true
- isValid(String identifier) returning false
- isValid(String identifier) returning an UnallowedIdentifier exception
- getCheckDigit(String undecoratedIdentifier) converting a string into a check digit using ASCII and formula
- getCheckDigit(String undecoratedIdentifier) converting a string into a check digit using ASCII and formula

Screenshot of testing report

```
Setting up libgnomevfs2-extra:amd64 (1:2.24.4-6.1ubuntu2) ...
Setting up libgnome-2-0:amd64 (2.32.1-6) ...
Setting up libbonoboui2-0:amd64 (2.24.5-4) ...
Setting up libgnomeui-0:amd64 (2.24.5-3.2) ...
Setting up libgnome2-perl (1.046-3build2) ...
Setting up shutter (0.94-1) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
wright@wright-VirtualBox:~$ bash runTest.sh
changing directory to testCases.
read test cases
runTest.sh: line 34: read: read error: 0: Is a directory
Error: Could not find or load main class
test case 1 complete
Error: Could not find or load main class TestDriver1
test case 2 complete
Error: Could not find or load main class TestDriver.java
test case 3 complete
Error: Could not find or load main class TestDriver.java
test case 4 complete
Error: Could not find or load main class TestDriver.java
test case 5 complete
Error: Could not find or load main class TestDriver.java
test case 6 complete
wright@wright-VirtualBox:~$
```

file:///home/wright/testCases/reports/testReport.html

Test #	Requirement	class name	method name	input	oracle	actual output	pass/fail
		Passed.					
01	true returned when valid identifier is entered.	BaseHyphenatedIdentifierValidator.java.java	isValid()	a-3	true		Failed.
02	false returned when invalid identifier is entered.	LuhnIdentifierValidator.java	isValid()	a-4	false		Failed.
03	UnallowedIdentiferException thrown when incorrectly formatted identifier is entered.	LuhnIdentifierValidator.java	isValid()	Sam	UnallowedIdentifierException thrown.		Failed.
04	char is entered and the checkDigit is returned	LuhnIdentifierValidator.java	getCheckDigit()	a	3		Failed.
05	char is entered and the checkDigit is returned	LuhnIdentifierValidator.java	getCheckDigit()	b	1		Failed.