Chapter 4

This is where it all got up and running. We were finally able to work out all the many kinks that came with compiling the classes and the errors that arose from it. The test automation framework runs as expected, and it's a great pleasure to see it working.

```
/TestAutomation
        /project /src
                /bin
                /...
        /scripts
                runAllTests.sh
                ... other helper scripts
        /testCases
                testCase1.txt test, Case2.txt ...
        /testCasesExecutables
                testCase1...
        /temp
        /oracles
                testCase1Oracle...
        /docs
                README.txt
        /reports
                testReport.(txt or html)
```

The *runAllTests.sh* script resides in the scripts folder and will go through all the test case files in the testCases folder and run them. It removes the old reports from previous tests and creates a new .html report. It goes through each test individually and writes to the report and finally opens the report in a browser.

The *test cases* will be in the *testCases* folder and should be a .txt document with the following lines:

Test ID: *the ID number of the test*
Requirement: *the requirement being tested in the test case*
Component: *the component being tested in the test case*
Method: *the method being tested in the test case, should be the signature of the method*
Inputs: *the inputs for the test case*
Expected: *the results after the test*
Driver: *the name of the driver class*
Notes: *any notes or additional information about the test case*

The drivers will be in the *testCaseExecutables* folder.

The source code of the OpenMRS software is located in the *project* folder.

The *report* is an HTML file in the *reports* folder.  It contains the Test ID, Requirement, Inputs, and Expected lines from the test case and further indicates whether or not the test was passed or failed.