

Course Project Assignment #5 - Back End Unit Testing

Due Tuesday, March 29, 2016

In this assignment, you will practice white box testing of the Banking System Back End you programmed in Assignment #4.

For each method in your Back End you are to create a set of white box unit tests that provide statement coverage. Also, for one method (of your choice) you should create a set of unit tests that provide decision and loop coverage.

For each of the methods,

- (i) analyze the code according to the system of the test method required and create a table of cases to be tested
- (ii) create a set of unit tests (JUnit classes) to cover each of the test cases you have identified in the table
- (iii) run all of the test cases on your Back End
- (iv) make a table of the failures uncovered by your tests (if any)

What to Hand In

In this assignment, you will hand in. Each report should include:

- (1) A set of JUnit test cases for each method.
- (2) A test report reporting the results of the test runs of your Back End for each test, including any failures found.

Marking Scheme

Creation of JUnit Test Cases (statement coverage)	6 marks
Creation of JUnit Test Cases (decision and loop coverage)	2 marks
Test Report	2 marks
Table of results (1)	
Identification of failures, if any (1)	
Total	10 marks