Course Project Assignment #5 - Back End Unit Testing

Due <u>Monday, Apr. 15 2013</u>

In this assignment, you will practice white box testing of the Ticket Selling Service 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 <u>JUnit test cases</u> for each method.

(2) A <u>test report </u>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
    Table of results   (1)
    Identification of failures, if any (1)
	2 marks

Total	**10 marks**