BCIT®

A POLYTECHNIC INSTITUTION

Comp 3711   Object Oriented Analysis and Design – Assignment 3

Instructor: Richard Chau

Due: December 5, 2008, 5:00pm

Work Effort: The assignment must be done with a *partner* **from your set. If there is an odd number of students in your set and you are the odd person left out, talk to your lab instructor. He will give you permission to do the assignment by yourself or help arrange a partner from another set.**

Submission: (1) You are to submit an electronic zip file and a printed copy. The electronic zip file is to be posted in the share-in drive. The printed copy is to be submitted to the instructor's red assignment submission box between SW2 and SW3 on the third floor (marked under the name Richard Chau).

(2) The electronic copy is a zip file that contains all the relevant files of the IBM Functional Tester's project (e.g. resources folder, templates folder, project file, class files, java files, testsuite files, plus your word document named as summaryGuide.

The zip file naming convention is to be:
LastName1>_<LastName2>_<SetID>_C3711Assn3.zip **with setID=setXX where XX being your set identifier.**

If you choose a common application as your test application instead of one from the list of Java applications provided, you must make sure the test application is accessible by your test scripts and when the instructor is doing the marking. It is your responsibility to make sure your instructions and all relevant attachment are submitted. So go through one complete test iteration on a new environment to make sure everything should be working before submitting your work.

(3) The printed copy of the summaryGuide must be a MS Word document (MS Word 2003 format). You must staple it to a front cover page sheet that includes the marking guideline (the template is provided in the end of this assignment outline). Your summaryGuide document must describe in detail the following:

a. Detailed instructions for unzipping and running your test application and the associated test scripts. During marking, it must be possible to run your test application by following your detail step-by-step instructions written in your summaryGuide. This must include how to configure your test application to be tested in the IBM Functional Tester. Note that your test application and your test scripts must run in your COMP 3711 lab room.

b. **Test cases** – describe and explain what you are actually testing plus the actual content of the datapools.

c. **Verification points** – describe and explain objects and properties that are being tested.

d. **Regular expressions** – describe and explain what do they do and where are they located.

Your Assignment 3

1. Working in pairs, you must implement a small Data-Driven Test system, using IBM Functional Tester available in your lab, to prepare a test script and perform tests on an application of your choice.

2. You may choose one of the Java applications provided or a common application of your interest other than the one used in the tutorials in Lab 7.

3. You must implement 2 different test cases, 1 from a simple scenario and the other a series of Equivalence classes

4. Your system must contain at least 4 verification points, 2 in each test case.

5. You must use regular expressions in 2 of the verification points.

6. The tests for the test cases must be read from datapools.

COMP 3711

Assignment 3   Fall 2008

Submission Cover Sheet

Due by: December 5, 2008, Friday, 5:00 pm

SET: _____

Name: _____
Student_Id: _____

Name: _____
Student_Id: _____

#	Assignment 3 Marking Guide	Maximum	Mark
1	Submission instructions followed	5	
2a	Runs first try, or	10	
2b	Runs with a bit of fiddling, or	5	
2c	Requires student contact to run	5	
3	Quality of test cases	10	
4	Verification points	10	
5	Datapools	5	
6	Regular Expressions	5	
7	Quality of documentation	5	
	Total	45 - 50	

Comments: