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CSC 115: 201601 A01: Assignments



Assignment 4 - **Returned**

Title	Assignment 4
Student	Jason Donald
Submitted Date	Mar 15, 2016 7:13 pm
Grade	9.0 (max 10.0)
History	Sat Mar 12 20:31:30 PST 2016 Jason Donald (donaldjd) submitted Tue Mar 15 19:13:07 PDT 2016 Jason Donald (donaldjd) submitted

Instructions

Assignment Instructions:

*Please find CSC115 Spring2016
Assignment four files below.*

The javafiles.zip file contains all the java source files you need to do this assignment. The specification files are in the docfiles .zip file. Download all the files in to a fresh directory. The pdf file contains the basic instructions.

Warning about late assignments:

Late assignments will have a 40% / day(or portion) penalty applied; the previous 4% was a typo. An assignment that is updated after the due date is late.

Updates:

You may resubmit a new version of any file in the assignment before the due date and time. PLEASE NOTE that due to connex's management of duplicate files, you must remove the previous version of that file from connex before submitting your new version. Newer versions of already submitted files are stored under a different name on connex, even though you only see one version on your list of submitted files. The marker will only mark files with the correct name, which is the first version submitted, so be sure to remove the file you want to resubmit from connex before submitting your newest version.

One more thing:

Get started. You will get tips in the lab sessions. If your lab is later in the week, you have time to really target the help you need.

Additional resources for assignment



[Assignment4.pdf](#) (106 KB; Feb 29, 2016 9:29 am)



[docfiles.zip](#) (25 KB; Feb 29, 2016 9:29 am)



[javafiles.zip](#) (8 KB; Feb 29, 2016 9:30 am)

Submitted Attachments



[BinarySearchTree.java](#) (9 KB; Mar 12, 2016 8:30 pm)



[BinaryTree.java](#) (1 KB; Mar 12, 2016 8:30 pm)

Additional instructor's comments about your submission

Assignment Four

Feedback for donaldjd:

Specification	Mark Out of..	
Coding style as specified in Coding Conventions document.	1	1
Good inheritance and security techniques.	1	1
Thorough internal testing.	0	1
External test results.	6	7

Marker comments

The following methods appear not to have been tested:

[retrieve]

See output for details of testing.

Program output

Generated output for donaldjd:

=====

Compiling BinaryTree.java: successful

Compiling BinarySearchTree.java: failed

Error message:

Note: BinarySearchTree.java uses unchecked or unsafe operations.

Note: Recompile with -Xlint:unchecked for details.

Compiling Tester.java: successful

Running Tester

Output:

=====

Automated testing results for BinarySearchTree assignment:

***** Testing the height method:

height testing completed

***** Testing the BinarySearchTree.insert method.

Inserting H

Inserting D and S to the next level:

Inserting M, A, K:

insert testing completed.

***** Testing the retrieve method.

Retrieving the root item:

Retrieving an internal item:

Retrieving a non-existent element in the tree:

Expected 3 or 4 compares, but 6 were done instead.

retrieve testing completed.

***** Testing the delete method.

Deleting a node with no children:

Removing a node with one child:

Removing a node with two children:

Unable to properly remove that node.

***** Testing the inOrder method.

sort testing completed

***** Results
height : PASSED
Simple insert : PASSED
Non-simple insert : PASSED
retrieve : PASSED
Simple delete : PASSED
Non-simple delete : incomplete
Produces a sorted list : PASSED
All testing completed.
=====

If you wish to review your assignment in more detail, please make an appointment with Bette Bultena (bbultena@uvic.ca), or drop by during her office hours.

If you find an error in the marking or part of your assignment could not be properly assessed, you can send a email request to have your work re-assessed. However, you must provide a detailed explanation of what you would like assessed, after you've carefully examined the feedback and your code. The email must have "CSC115

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Server Time: **Wed, 30 Mar 2016 09:38:43 PDT**