

**CSC 383, Sections 401 and 410**  
**Fall, 2011**  
**Assignment 7**  
**Due 11:59pm CST, Monday, October 24<sup>th</sup>**

**Requirements.** Write a class called `BinarySearchTree` that adds to the functionality of my `SimpleBinarySearchTree` class. In particular, implement these four methods:

- `public void insert(Collection<? extends E> collection);`
- `public void remove(Collection<? extends E> collection);`
- `public ArrayList<E> toArrayList();`
- `public ArrayList<E> breadthFirstTraversal();`

I have posted a zip file with my class. Download and modify that. Make sure you call your class and your file `BinarySearchTree`.

An explanation of what each method is supposed to do is included in the comments.

I will shortly provide a test program.

**Grading rubric:** This assignment is worth 30 points, with points assigned as follows:

- Variable and method names descriptive and mnemonic (4 points)
- Comment block with information specified (4 points)
- The program runs correctly to completion and prints correct output (20 points)
- Code is properly indented (2 points)

Beyond the above rubric, 2 points will be deducted for each missed requirement. If I say to do something a certain way, do it that way.