**CS 0445 Assignment Information Sheet**

**You must electronically submit an information sheet with every assignment. Also be sure to submit all materials following the procedures described on the** [**submission procedures**](https://people.cs.pitt.edu/~ramirez/cs445/assigs/submit.html) **page.**

**Name:Di Wu Assignment #: 4**

**Lecture Day and Time: T H 1:00pm-2:15pm**

**Recitation Day and Time: T 10:00am**

**Program Due Date: 4/16/2018**

**Handed in Date: 4/12/2018**

**Source code (.java) file name(s):**

**Assig4.java**

**Test.java (extra credit)**

**-MyTreePackage**

**BinaryNode.java**

**BinaryTree.java**

**BinarySearchTree.java**

**ComparableBinaryTree.java**

**And other unmodified files…**

**-StackAndQueuePackage**

**Unmodified files…**

**Does your program compile without error?: Yes**

**Does your program run without error?: Yes**

**Additional comments (including problems and extra credit):**

1. For extra credit: compile and run Test.java draw 3 trees in the example, the first 2 are T2 and T3, which have same data, but T3 is more balanced because it comes from T2.saveInorder(file) and T3.buildInorder(file), the third one is T5, which is a BST inserted in order, so it’s very skew. Please notice that the three graphs will pile together and if you press the X button they will all disappear at the same time, so please drag and drop to see all three graphs. Feel free to modify the code in Test.java to show other trees visually.
2. When I package, there is no issue, but during the development, sometimes there is a ClassDefNotFound exception, which can be solved by compiling EmptyTreeException.java manually, I don’t know why that happened.