Group Leader: Elizabeth McClellan

Group Tester: Drew Aaron

Group Requirement Leader: Andrew Hamilton

Group Documenter: Michael Beaver

Course: CS 355

Semester: Fall 2012

Date: September 25, 2012

**Group Meeting Minutes**

Members in attendance: Drew Aaron, Michael Beaver, Andrew Hamilton, and Elizabeth McClellan

Time met: 4:00pm to 6:00pm

Agenda: Refine printing methods; implement GoToBeginning and GoToEnd; implement class constructors and basic accessor methods

The group began by trying to implement a method to print a Binary Search Tree in order, from lowest to highest. The logic was easily deduced, but the code implementation proved to be a challenge. After numerous failures, the group looked for help online. The group found Dr. David Eck’s recursive solution, and it was adapted and adjusted to meet the group’s needs. The implementations of the Pre-Order printing and Post-Order printing followed similar implementations.

Andrew’s implementation of GoToBeginning and GoToEnd were incorporated into the project. At a later date, Michael streamlined these methods by reducing excess code.

Michael’s iterative implementation of Insert was incorporated into the project. He had previously written the code for the method, and it runs in logarithmic time. Hence, it would have been pointless to ignore the iterative version in favor of a recursive version since both run in logarithmic time.

Drew and Andrew implemented AtCursor to return the address of the BNode that the cursor of the BST points to.

The group combined its efforts to implement the BNode and BST classes’ constructors and simple accessor methods. The group members all had similar code, so the different implementations were consolidated. The BNode class’s GetData method was implemented to return the BNode’s integer data. The BST class’s Empty method was implemented to return true if the BST had no root and false if otherwise. The constructors were implemented to force the BNode and BST objects to instantiate with valid default states or overloaded states.