Group Lea	ader:					
Group Te	ster:					
Group Re	quire	ment Leader:				
Group Do	cume	nter:				
Course:			CS 355	Assignment Number:	6	
Semester:			Fall 2012	Assignment Type:	Homework 4 – Group 2	
Assignment Description:		scription:	Implement a template Binary Search Tree.			
Assignment Due Date:			Tuesday, October 2, 2012 (precisely at 12:30 p.m.)			
To Be Included in Portfolio:			YES			
Total Grad	de: C	oding Requirem	ents Grade (60), Test	cases Grade (20), Analysis Grade	e (20)	
Coding Re	equire	ments:				
1.	(BNode class con	nplete			
			onstructors			
	b.	GetData				
2.	ı	BST class comple	ete			
	a.	BST cons				
	b.		constructor			
	c.	Destructo				
	d.	Assignme	nt operator			
	e.	Insert (in	order, return true or	false, place cursor at new item)		
	f.			e, return true or false, place curso	or at parent of removed item or	
		at root		•	·	
	g.	Search (re	turn address if found	from cursor to end of list, return	NULL if not found, place	
		cursor at found	d location or at end of	f list (rightmost node) if not found	d)	
	h.	Test Print	Routine (Print the list	t (in order) separated by tabs, pri	nt square brackets around the	
		value at cursor)			
	i.	AtCursor	return data item at t	he cursor)		
	j.	GoToBegi	nning (move cursor to	beginning of the list, NULL if em	<mark>ipty)</mark>	
	k.	GoToEnd	(move cursor to last i	tem in list, NULL if empty)		
	I.	GoToNext	(move cursor to nex	t slot, if on last item, move to firs	t item)	
	m.	GotToPre	v (move cursor to the	previous slot. If on first item, me	ove to last)	
	n.	ClearList (deallocate space, set	head and cursor to NULL, can be	called from destructor)	
	0.	EmptyList	(return true if empty	, false otherwise)		
	p.	PrintPre (orint preorder)			
	q.	PrintPost	(Print postorder)			
Test Case	Requ	irements Met:		Analysis Requirements	Met·	
			case for each method			
		showed metho			ect answers and justifications	

Name:		
Course:	CS 355	
Semester:	Fall 2012	
Assignment Number:	6	
Assignment Type:	Homework 6 – BST – Test Cases	
Assignment Description:	Create Test ensure your data structure is correct and robust.	
Assignment Due Date:	Tuesday, October 2, 2012 (precisely at 12:30 p.m.)	
To Be Included in Portfolio:	YES	

Test Case 1 - < Give description of what you are testing>

Note: Feel free show a different format if it fits what you do.

Date/Time:	Expected Result	Actual Result	Action needed (Yes/No)

Name:				
Course:		CS 355		
Semester:		Fall 2012		
Assignment Nur	mber:	6		
Assignment Typ	e:	Homework 3 - Analysis		
_		Carefully answer the questions below. Be sure you answer in complete sentences space provided is not an indicator for the space needed to answer the question. and printed before you arrive to class.		
Assignment Due	e Date:	Thursday, October 4, 2012 (precisely at 12:30 p.m.)		
To Be Included	in Portfolio:	YES		
•	nsider the runtir och with a justific	me of GoToNext vs. GoToPrevious routines. State the runtime of each. Follow the cation.		
0 () Go To Next			
Justification:				
0() GoToPrevious			
Justfication:				
Question 2: Consider the runtime of GoToBeginning vs. GoToEnd routines. State the runtime of each. Follow the statement of each with a justification. Discuss what change(s) could be made to the class to make GoToEnd a more efficient routine. Give a justification for each change.				
0 () GoToBeginning			
Justification:				
Ο() GoToEnd			
Justfication:				
Question 3: If you wanted to find the minimum value in the BST, what would the runtime of the algorithm be? Explain your answer.				
0 () GetMin			
Justification:				