Module 4 Lab 1 Document

Sample Pseudocode and Functions

# Add Courses to List

1. Decide which course to add
2. Create list to store course
3. Add course information to list

# Display Added Courses

1. Get course list
2. Iterate through list of courses
3. Display each course’s information

# Remove a Course from the List

1. Get course list
2. Search for course to remove
3. Remove course
4. Display confirmation of course removal

# Sample Functions C#

static void populateList(SortedList list)

{

list.Add("CS101", "Introduction to Computer Science");

list.Add("CS102", "Data Structures and Algorithm Analysis");

list.Add("CS201", "Introduction to Databases");

list.Add("CS301", "Introduction to Object-Oriented Programming");

}

static void displayList(SortedList list, string key)

{

int index;

string course;

index = list.IndexOfKey(key);

course = (string)list.GetByIndex(index);

Console.WriteLine(course);

}

static void removeListItem(SortedList list, string key)

{

int index;

string course;

index = list.IndexOfKey(key);

course = (string) list.GetByIndex(index);

list.Remove(key);

Console.WriteLine(course + " was removed from the list.");

}

## Visual Basic

Sub populateList(list As SortedList)

list.Add("CS101", "Introduction to Computer Science")

list.Add("CS102", "Data Structures and Algorithm Analysis")

list.Add("CS201", "Introduction to Databases")

list.Add("CS301", "Introduction to Object-Oriented Programming")

End Sub

Sub displayList(list As SortedList, key As String)

Console.WriteLine(list.Item(key))

End Sub

Sub removeListItem(list As SortedList, key As String)

Dim course As String

course = list.Item(key)

list.Remove(key)

Console.WriteLine(course & " was removed from the list.")

End Sub