

Lab #2 – Bag Implementations That Use Arrays

NAME _____

Problem:

Complete Programming Project 2, page 92.

This will require that you use the 'SetInterface' of Chapter 1 instead of the 'BagInterface' of Chapter 2. You will add the methods of the interface to the existing class. Then, develop a test application that will verify the functionality of the solution. You may wish to look at the example test applications.

As always, be sure to test ALL methods of the class and interface.

Requirements: You will submit the lab following the normal lab procedures. Make sure to label your lab folder as follows:

2YourLastName

To Be Done:

- Open Resizable ArrayBag and rename as ArraySet.java
- Global replace of 'Bag' with 'Set'
- Re-write 'add' methods to prevent the addition of duplicate entries, using either the 'contains' method or 'getIndexOf'
- We can remove 'getFrequencyOf' method.
- Update the test class – replace the 'testGetFrequencyOf' method and add a method to verify that duplicates can't be added.