

SWE 619 Assignment 6

Fall 2019

Goal: Type Abstraction.

Liskov 7.11.

Instead of building an `IntBag`, complete the implementation of a generic version [Bag.java](#) and compare it to this generic version of `IntSet`: [LiskovGenericSet.java](#).

Note that the `rep` has been chosen for you. Your code should be pretty simple. It won't be quite as simple as the set version, but it will be close. You should also implement `repOk()`.

To answer Liskov's question about subtype relationships, find a relevant "Properties" rule. You should code this up as an appropriate JUnit test.

Make your write-up very easy to understand. In particular, you should be clear in your analysis of the subtyping question. In other words, you should again submit a story, not just code.

I expect to see a robust discussion on Piazza about the relevant property.

Earn one bonus point for coding the relevant property as JUnit theory and clearly explaining how your theory answers the question. (We'll talk about JUnit theories later in the semester.)