CSC 343 Data Structure

Assignment 1

1. 3rd edition: Not included in book;

4th edition: Prelude exercise 1;

Consider the interface NameInterface defined in Segment P.13 (Segment D.13 for 3rd edition). We provided comments for only two of the methods. Write comments in Javadoc style for each of the other methods.

**No matter which edition you are using, download NameInterface.java from the Moodle site, write suitable comments, then turn this file back into Moodle.**

1. 3rd and 4th edition: Chapter 1 Bags Exercise 1;

Specify each method of the class PiggyBank, as given in Listing 1-3 (can be found on the next page), by stating the method’s purpose; by describing its parameters; ~~and by writing preconditions, postconditions~~, and a pseudocode version of its header. Then write a Java interface for these methods that includes javadoc-style comments.

Hint: there are three methods in Listing 1-3: public boolean add(Coin aCoin), public Coin remove(), and public Boolean isEmpty().

**Turn in a text file with required descriptions. Your final submission may look like this:**

**public Boolean add(aCoin)**

Purpose: purpose of add(aCoin)

Parameter: what aCoin is

~~Precondition: if any~~

~~Postcondition: if any~~

**public Coin remove()**

…

…… (similar for other two methods)

public interface PiggyBankInterface{

//Javadoc comments and the header of the three methods

}// end PiggyBankInterface

