

COSC 201 – Lab #4

Use the Iterator from Java's API

Purpose: to practice using the Java API version of Iterator

Tasks:

- 1.) Open Eclipse and start a new Java Project called Iterator Project
- 2.) Add a new class called Roster. Roster will have two private fields, a List of strings called names and an integer called size. Go ahead and create mutators and accessors for both of these fields. Also, code the constructor with the signature:

```
public Roster (String [] n)
```

The constructor will take the strings out of the array n and put it in your names List.

- 3.) Add a method that will use a Java API Iterator to print out all of the strings in names. Note, I'm not asking you to implement interface in your Roster class, it has already been done in your List!
- 4.) Create a main that will add names to the roster and then print all the names out using the method you created.
- 5.) Turn in your code via Blackboard by 11:59pm Monday.