HOMEWORK GOAL

This is an individual homework grade. The assignment is to modify the Student Class to use an ArrayList to store test grades instead of three tests. An ArrayList allows you to add values to the list and it can grow as needed.

PROGRAM REQUIREMENTS

You will add the class Student to the program by defining the class and testing it. Include or modify the gets/sets as needed to solve this version of the problem.

ADDITIONAL INFORMATION

- Test your class with the provided program code below.
- You will need to update the constructors and other methods as needed
- Put your comments into the javadocs format for each function

TO TURN IN

Turn in a copy of a single **Student.java** file containing only your Student class solution to Canvas. PLEASE MAKE SURE THE PACKAGE NAME in this program is deleted or commented out before turning in the file. I will run it with my test program.

This program is due before midnight on the due date.

```java
public class StudentTester {
  public static void main(String[] args)
  {
    Student student1 = new Student("Beth", "Allen");  // use this version of constructor with no grades
    Student student2 = new Student(); // will be filled with set methods

    student2.setFirstName("Bob");

    System.out.println("Program 2 - uses hardcoded statements to set a student's data.");

    student1.addTest(100);
    student1.addTest(100);
    student2.addTest(80);
    student2.addTest(80);
    student2.addTest(86);
    student2.addTest(78);

    System.out.println("The two Student's data are: ");

    System.out.println(student1.getFullName() + " has " + student1.getTestCount() + " grades and an average of "
                            + student1.getAverage());
    System.out.println(student2.getFullName() + " has " + student2.getTestCount() + " grades and an average of "
                            + student2.getAverage());

  }
}
```