

**Learning Objective**

Design, implement, and test a Java class that uses data composition.

**Problem Statement**

The registrar's office needs to track vital information about students at the university. Registrar information is used to track student registrations in classes, as well as to provide student information to professors.

In this application, we will focus our attention on student information that will be provided to professors. In this case, you can think about the student information like the kind of information you might store in a Palm Pilot-type application.

**Requirements**

You will create a StudentInfo class to track the following (abbreviated) set of data:

- Name
- Email Address
- Phone Number
- Age
- Grade Point Average

You may provide additional variables for practice/completeness, but the above 5 are required. In addition to declaring the class's private data members, you will provide public accessor (get/set) methods for each of the variables.

To test your class, you will use the main method to create an instance StudentInfo object, and set values to each of the variables. (*Optional but strongly encouraged: print out "prompting" messages to the user, and use the Scanner class to collect input from the keyboard.*) Finally, the program will print out the values of the variables stored in your object.

**Deliverables**

- The java code file(s) (\*.java).
- A short executive summary, which will serve to introduce the application.

**Grading Criteria**

- Correct syntax, no compile errors, good formatting, follow naming conventions 30%
- Correct use of data types 10%
- Accessor methods work correctly 20%
- Prints output to the screen correctly 20%
- *Implementation of prompting* 10% bonus
- Executive summary document 20%

**Questions? email me, azs@bu.edu.**