Basic Object Creation

This project will allow you to create one basic class along with its methods and constructors. You will then create a test class that will test it and finally submit this project to Web-CAT for grading.

The main purpose for this project is to get you familiar with writing and testing a class and using the Web-CAT grading system. Not all the projects will be this easy and don’t take this as an indication of the amount of effort needed to successfully complete this class. The rest of the projects will become significantly more challenging.

Details:

The class you are going to create is the Book class. The book class will contain information about the author, title and pages of the book. You will have two constructors and all the appropriate setters and getters for this class. In addition to these methods you will also write a toString method that will return the state of the object in a string.

Additional information about the methods can be found at: http://courses.cs.vt.edu/~cs1705/Spring05/projects/p1/doc/

The documentation details the interface you are to meet. The way that Web-CAT works is that it requires that you meet a given interface. If you misspell or mis-capitalize a method name, then it won’t meet the given interface and your project will not work. Also, if the interface indicates that method requires three parameters in this order, a string, a string and an int, and you put a string, an int and a string. Then your method will not match the given interface and therefore will not work. All of this means that you need to understand what the given interface is and what you need to meet in order to be successful in getting your project successfully graded.

Grading:

This project will be submitted to Web-CAT just like the labs. However, there will be a difference in the grading. I will be implementing reference testing to make sure that all the methods have been implemented correctly. I will explain more about this in class. Also, since we are actually writing this, we want to make sure that the comments are filled in appropriately. BlueJ fills in some nice boilerplate comments for you and all you have to do is put in the correct information. When you are creating a new method, you can copy and paste from the other headers and change the information as needed. This will be explained in class before this project is due.

Assistance:

If you need help with this project, do not hesitate to send me an email, come to my office, come see a TA. Get help early and get it often as needed. This is a learning experience and I want you to be successful.

Honor Code:

Since this is a project and not a lab, you are not allowed to get unauthorized assistance. That means not talking to other people who are not either the instructor or TAs about how
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to complete this assignment. If you would like to discuss general questions with others that is ok, but when you start talking about how to actually write the code the line has been crossed.

Additionally, make sure that the following comment is included in your code at the top of the file:

```cpp
// On my honor:
//
// - I have not discussed the C++ language code in my program with
//   anyone other than my instructor or the teaching assistants
//   assigned to this course.
//
// - I have not used C++ language code obtained from another student,
//   or any other unauthorized source, either modified or unmodified.
//
// - If any C++ language code or documentation used in my program
//   was obtained from another source, such as a text book or course
//   notes, that has been clearly noted with a proper citation in
//   the comments of my program.
//
// - I have not designed this program in such a way as to defeat or
//   interfere with the normal operation of the Curator System.
//
// <Student Name>
```