

COMP 1409 Lab 2-b (4 points)

Take-home lab

In BlueJ create a project called lab2b with the following class and functionality.

Create a class called **RetailItem**. Include appropriate comments for each class element.

All RetailItems have the following attributes, which must be implemented as private instance variables with appropriate data types and descriptive names:

- itemDescription
- itemPrice
- isOnDemand
- numberOfUnitsInStock

Provide two constructors for the class. The default one (which takes no parameters) initializes the instance variable to the corresponding default value (depending on the data type), except that the String variables should be empty strings ("") instead of null.

The non-default constructor takes parameters to initialize all the instance variables. The parameter names should be descriptive and different from the instance variable names. Include Javadoc comments with @param tags for the parameters.

Write an accessor method for each field. Accessor methods start with "get". Include Javadoc comments with @return tags.

Test your project make sure it compiles and runs properly by creating a RetailItem object. Inspect to insure that the instance variables have the appropriate values, and call the accessor methods and make sure they return the correct value.

The take-home lab is due at 11:59 pm the night before the next class. Upload it to the appropriate D2L dropbox. A suggested solution will be discussed in class and labs not already in the dropbox will not receive any points.