Project 1
Specifications

Due: See D2L Discussion Forum

MyJava Coffee Outlet runs a catalog business. It sells only one type of coffee bean, harvested exclusively in the remote are of Irian Jay. The company sells the coffee in 2-lb bags only, and the price of a single 2-lb bag is $5.50. When a customer places an order, the company ships the order in boxes. The boxes come in three sizes:

1. Large – 20 bags of 2-lb.
2. Medium – 10 bags of 2-lb.
3. Small – 5 bags of 2-lb.

The cost of each box:

1. Large – $ 1.80.
2. Medium – $ 1.00
3. Small – $ 0.60

The order is shipped using the **least** number of boxes incurring the least amount of cost for the customer. For example, the order of 52 bags will be shipped in four boxes: 2 large, 1 medium, and 1 small. The expected date of arrival to the customer is two weeks (14 days) from the date of the order, which is the current date when the invoice was created.

Develop a GUI application that accepts input and then creates an invoice that will be displayed on the GUI. The invoice will contains all relevant information necessary to bill the customer and to ship the order to the Customer. All input must be input from the GUI. Match the alignment of this Invoice below.

```
          Customer Name:  Mark S. Hall
  Number of Bags Ordered:  52
          Purchase Price:                $ 286.00

              Boxes Used:
                       Large:  2   Cost: $   3.60
                      Medium:  1   Cost: $   1.00
                       Small:  1   Cost: $   0.60


              Total Cost:                $ 291.20

           Date of Order:  November  1, 2005
Expected Date of Arrival:  November 15, 2005

Shipping Address:    7004 Goldenrod Court
                     Wausau, WI  54401
```

The form must have 4 buttons:

1. Clear form → Clears the form
2. Exit → Exits the application
3. Create Invoice → Displays invoice in a text GUI component
4. Print → which prints the invoice to the system console.

Always remember, this is an object-oriented programming class. There will be a D2L Discussion area where any specification questions are asked and answered. We may NOT have covered all the information necessary to complete this project so you may request information on the D2L discussion area for this project. I will let students attempt to answer any questions first before I get involved. ***You have enough information right now to get started.*** You could write a driver that just does keyboard input to test your code and then just adjust your driver to use a GUI instead to get the input. Your involvement in the D2L Discussion Forum will be part of the Project 1 grade.

All necessary source files (electronic and source code hardcopy pdf's—portrait oreintation) will be included in a single zip file and uploaded to the D2L Dropbox for Project 1. Your output must match ***exactly*** unless you get prior approval from the instructor.

Source code hardcopies: Once you have your code looking "pretty", print from your IDE so that you can create a pdf file. Attach all pdf source files in your zip file that you upload to D2L.

If there are parts of your code that does not work, you must specify that in the comments area of the application driver.