Lab 7 (50 pts)

In this lab, you will work on a Graph application using Java Drawing API.

Using Eclipse, create a project called Lab7.

Copy the posted files into your working folder.

Creating a folder for the input text file: Copy **sales.txt** into the folder,.

For the exercises in this lab, you will use the classes in Lab7.java. All the classes (not public) are given in a single file, mostly for convenience. The classes in this program read the sales data from a text file and generate a bar graph. Currently, only bars are drawn with no labels.

Exercise 1 (40 pts)

Create a JFrame class (use SalesGraph.java and complete the code) and place an instance of the BarGraph panel, a Label and a Button to show the graph. Use the code from Lab7.java. You may have to separate the different classes into their own files.

When you compile and run SalesGraph.java, the window should show an empty panel and a button with the label, show graph. When you click the button, the graph should be displayed in the panel.

Exercise 2 (10 pts)

Add a label for the graph, in SalesGraph.java, as AlphaBeta Inc. Sales Data 2017

The text, AlphaBeta Inc. Sales Data should be displayed in font, **Georgia**, size 20, and color **blue**. The text, 2017 should be displayed in font size 28 and color **red**.

Extra Credit (15 pts):

In the bar graph, label each bar with the year (read from the file). You may show the label above or below the bar.