**Coding Assignment 3**

I would like you to work in groups of 2.

**Problem Description**

A company has a *SalesData* class that reads sales data from different companies it owns and can print reports in different formats and headers. Soon, new companies will be bought and their data will need to be read. Also, new report formats and header formats are always a possibility. Redesign this code to:

1. Use the strategy pattern
2. Increase cohesion and decrease coupling
3. Utilize the design principle: separation of concerns (thus increasing modularity)

Thus, you can do anything you like to achieve the goals above.

An Eclipse project named *ca03.zip* is found on the Schedule which contains the class, some test code, and two text files.

Do the following:

1. Log your time. Place the time log(s) at the end of the write-up (next) or save as ca3\_lastName\_timelog.docx and place in the *refactored* package.
2. Provide a write-up that explains how you refactored the code, how the strategy pattern is used, how you have increased extensibility and maintainability. This should include and refer to a class diagram(s). Name this file: ca3\_lastName1\_lastName2.docx. Place this in the *refactored* package.
3. Refactor the code and do some brief testing testing.

**Deliverables**

1. Zip the *refactored* package into a file named: LastName1\_LastName2.zip and submit on Blazeview in the dropbox named, *CA 3*.

**Time Log**

If working in a group, each person should make a Time Log.

**Track your time using this table. Delete empty rows, add if needed. Put the total time at bottom. Delete everything above and submit (in your *prob1* folder) everything below saved as a word document.**

**Coding Assignment 3 - Time Log**

Name(s):

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|  | **Total Time (hrs)** |