CIS263AA Programming Assignment 11

Assignment Goal:

In this chapter, you learned about threads. Although threads are used mostly for low-level operations, they also can be used when concurrent operations need to be performed. You will modify your chapter 1-9 program to use threads.

Assignment Specifications:

You will create a report of sales data. First create an object class called **Sales** containing the following data:

item number 8 digits, 0 decimals place

description 40 characters

quantity 9 digits, 0 decimal places

sales amount 11 digits, 2 decimal places

Include a constructor that accepts all variables. All data is to be defined with a private access modifier.

Create a thread called **EnterSales** that allows the user to enter the sales data and store it in the sales array. This thread is to contain the calls to your data entry methods.

Create a thread called **DisplaySales** to produce a formatted report on the monitor showing each of the 4 instance variables of the Sales class and the percent of sales to the total sales amount. At the end of the report display the number of items entered, total quantity and total sales amount.

Write a program called **SalesReport** that create an array of up to 100 sales objects and calls the **EnterSales** and **DisplaySales** threads. Be sure the data entry thread executes before the display thread. Keep the main thread running until all other threads have executed.

Deliverables (what you are to submit):

1. Since you have effectively written this program, a planning document will not be required. Your draft will consist of your completed program.
2. Your completed project folder in zip format.