**MIS320 Spring 2011  
Assignment 2**

**Assignment:** Complete the required design models and develop (i.e. code) the application outlined in the business case below.

Required design models for this assignment include:

* Input/Output Design
  + For this assignment you only need the Control List with pseudocode for events (there is an example posted with this assignment in eLearning)
* Class Design
  + Class Diagram
  + Class Definition (Class Name, description, definition of members, declarations and **pseudocode** for methods)

The submitted version of all design documentation should be electronic (in Word, PowerPoint, Visio…). Those files should be placed in the root folder of your VB Project and the entire project should be zipped up and submitted through the assignment on eLearning. At this point, you’ve had to submit several projects in the past, so anyone submitting just one VB file or just the .sln file will NOT be allowed to resubmit after the due date/time has passed. The assignment will allow you to resubmit up until that time, so once you’ve uploaded, check your zip file on eLearning to make sure it contains the entire project!

**Business Case:** Your firm has been tasked with developing a solution that allows users to save the Name, Address, Email Address, and Phone number of a customer.

**Technical Specifications:** Your solution should be developed as a desktop application in Visual Basic.NET. Data should be stored in a comma delimited text file.

**Architectural Specifications:** Your solution must follow a 3-tiered architectural pattern. The code representing your User Interface and UI Logic (i.e. error checking the text entered, if needed) should be separated from the code implementing your business logic. The code communicating with your text file should be separate from both. The UI should be in VB Forms. The Business Logic and Data Access layers should be in classes in separate files. These files should be placed in the appropriate folder in your project structure (you have to create the folders for each layer).

Remember from our discussion Thursday that Data Access Objects can only be instantiated inside Business Logic Objects, and Business Logic Objects can only be instantiated inside event handlers within your UI.