**Week 2, Arrays and Collections. -**

Things to do

* **Reading Quiz 2**
  + Read chapter 8 on arrays and collections.  You might also want to read chapter 7 from the 133 text.
  + Read the lecture notes - arrays and collections.
  + Complete Reading Quiz 2. The first reading quiz covers all of the review chapters.  The second reading quiz covers just chapter 8 from the 233 text and chapter 7 from the 133 text.  Each reading quiz consists of 10 multiple choice questions taken from the topic. You may take the reading quiz 4 times and the average of your scores will be used in the calculation of your grade. Each quiz is open book but because you only have 40 minutes to complete each attempt, you won't complete the quiz if you haven't read the materials prior to attempting the quiz.
* **Lab 1**
  + Download the starting files - arrays and collections.
  + Complete tutorials 7-2, 7-3, 7-4 from the 133 text.
  + Complete exercises 8-1 and 8-2 on pages 251 and 252 of the 233 text.
  + Modify Tic Tac Toe to use a 2 dimensional array to store the data for the "board".
  + Participate in the forum - Lab 1 Questions as necessary.
  + Complete a peer evaluation for your work in lab 1.  Make any corrections necessary based on your peer evaluation.
  + Submit lab 1

**Lab 1 Instructions –**

* The objective of this lab is to familiarize you with arrays and collections in C#.  This information is in chapter 8 of the 233 text and chapter 7 of the 133 text
* Complete the programming problems described below.  For each of the problems, a Visual Studio project containing at least one form has been provided in the starting files for the lab:
* Complete tutorials 7-2, 7-3, 7-4 (EXTRA CREDIT) from the 133 text.
* Complete exercises 8-1 (parts 1 - 8) on page 251 of the 233 text.  Parts 9 and 10 are EXTRA CREDIT.
* 8-2 on page 252 of the 233 text.
* Modify the Tic Tac Toe application to use a 2 dimensional array to store the data for the "board".
* A maximum of 20 points will be awarded for the lab:
* The problems completed as a group in class will earn a maximum of 12 points.
* All problems will earn a maximum of 20 points.
* In class section students should:
* Complete the implementation, test and debug the application in Visual Studio.
* Download the peer evaluation form for lab 1.  Complete the peer evaluation with a classmate using the form as a guide.  Include with the peer evaluation document:
* screen shots illustrating the functionality of the application for each problem.
* the source code for the event handlers and variable declarations that you wrote in each problem
* Upload the peer evaluation document you created in moodle.