**C# Project 1 – Play Ball!!**

Purpose: Calculate batting average for 12 players on a baseball team

* Create a console application.
* Use a menu for user options.
* Option 1 allows data entry:
  + Prompt user to enter player number (1 thru 12), and validate.
  + Prompt user to enter number of At Bats, validate, and accumulate for chosen player.
  + Prompt user to enter number of Hits, validate, and accumulate for chosen player.
  + Allow user to enter these values until they are finished (your choice of how to end).
* Option 2 allows summary display:
  + Display a summary in column format showing player name, at bats, hits and average (format to 3 decimal positions – ex. 2 hits in 4 at bats would be .500 average).
  + All players should be shown on one page.
  + Be sure to handle division by zero.
* The 12 player names are stored in an external data file and are to be read in and stored in a string collection (array or list) at the start of the program. **Be sure this file is located in the bin\debug folder of your project.**
* Limit the use of static (class) variables. Practice the use of passing and returning values to/from your methods when feasible.
* Be sure to modularize your program. Consider separate methods for option 1 and option 2, input/validation of each field, and populating the array/list of player names.

Project is worth 50 points.