**Take-Home: Quiz 2 (15 pts) – String Parsing**

Using Canvas <https://canvas.wsu.edu/>, please submit your solution to the correct quiz folder. Your solution should be a .pdf file with the name <your last name>\_quiz2.pdf and uploaded. To upload your solution, please navigate to your correct Canvas ***lab*** course space. Select the “Assignments” link in the main left menu bar. Navigate to the correct quiz submission folder. Click the “Start Assignment” button. Click the “Upload File” button. Choose the appropriate .pdf file with your solution. Finally, click the “Submit Assignment” button.

1. (15 pts) Write a C function called fileLineParser() that accepts a pointer to a FILE (name the parameter inputFileStream) and an array of struct studentRecords (name the parameter arrStudentRecords). The function reads the entire .csv file line-by-line, parses each line, and stores a copy of each value into the array of struct studentRecords. The function returns the *number* of records successfully parsed and stored in the array.

precondition: inputFileStream != NULL; all lines in the file are well formed in the required format.

The struct studentRecord is defined as follow:

typedef struct studentRecord

{

char name[75]; // This will be used to store the first and last name

 int ID; // This will be used to store the student’s ID number

 char major[15]; // This will be used to store the student’s major

} StudentRecord;

 Assume that each record in the .csv input file is formatted as follows:

 Student name,ID number,major