

**Project 2**

**Due: February 23rd, 2018**

**Total: 15 Points**

Your job for this project is to create an application that will quantify and summarize data from the excel sheet titled "Super\_Bowl\_Project.csv". Construct an application that will read data from the Super\_Bowl\_Project.csv spreadsheet and assign each of the row items as an object within your program. Once your program has created an instance for each row within the spreadsheet, begin to manipulate the data according to the bullet points below. Once you have constructed code for the following bullet points generate a text file that outputs the quantified and summarized data.

**Generate a list of all super bowl winners and output the following:**

1. The team name
2. The Year the team won
3. The winning quarterback
4. The winning coach
5. The MVP
6. The point difference between the winning pts and losing pts.

**Generate a list of the top five attended super bowls' and output the following:**

1. The year
2. The winning team
3. The losing team
4. The city
5. The state
6. The stadium

**Generate a list of states that hosted the most super bowls and output the following:**

1. The city
2. The state
3. The stadium

**Generate a list of players who won MVP more than twice and output the following:**

1. Name of MVP

2. The winning team
3. The losing team

**For the below questions, output a single value:**

1. Which coach lost the most super bowls?
2. Which coach won the most super bowls?
3. Which team(s) won the most super bowls?
4. Which team(s) lost the most super bowls?
5. Which Super bowl had the greatest point difference?
6. What is the average attendance of all super bowls?

### **Program Considerations**

Please include a title for each output to the text file along with proper spacing

Allow the end-user to type in the desired path where file will be located, If the file path does not exist, the program will end gracefully.

Your program should read the file from where the project folder exist.