Brian Tagle

604907076

Project 5

a. The biggest mistake I made when doing this project was not putting the ignore line statement between getting an int through cin and getting the cstring which caused the program to do unintended things.

b. The program starts by creating various variables such as the score, stars, planets, etc. Then the program uses getWords to fill wordList with words taken from a text file. If there are no words the program ends. The program asks the user how many rounds the user wants to play then uses a for loop to use the function runOneRound equal to the amount of rounds the user specified.

The function runOneRound asks for a continuously asks for a probe word until the correct word is entered. runOneRound also finds the number of stars and planets using the function findSandP. This function also checks to see if the probe word is a lower case 4-6 letter word and is in the wordList using the functions isLowerCase and isWordinList.

FindSandP finds the number of letters in the same place in both words (stars) and then finds the number of letters shared by both words(planets). The number of planets is then subtracted by the number of stars.

isLowerCase runs a simple for loop through the cstring to make sure every char is lower case.

isWordinList compares the probe word against every word in the list using a for loop to ensure that the probe word is in the word list.

One the user guesses the correct word, the code returns to the main function where average score, max score, and min score are printed and updated as needed and the next round starts if needed.