Midterm Hangman Project

Project Design

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**Functions**:

**GameIntro()**  
 a. To introduce the game and brief rules  
 b. input: none  
 c. output: game description

**getGuess()**  
 a. To obtain a guess from the user  
 b. input: none  
 c. output: character Guess, it represents the user’s guess, in one letter

**blankWord(int len)**  
 a. to print a blank word with # signs  
 b. input: length of the correct word in integer, represents how long the word is  
 c. output: char array poundSigns; this represents a series of #s that together is the same length as the correct word

**incompleteWord(char guess, String word, char[] ps)**  
 a. to print out incomplete word between guesses  
 b. input: character guess – the user’s input for a letter guess; string word – the correct word; char[] poundSigns – the blank word with the #s  
 c. output: a character array of mixed letters and #s, represents what’s been guesses and what has not been

**wordComplete(string s, char[] blanks)**  
 a. to check if the correct word is completed  
 b. input: string s – the correct word; char[] blanks – the ongoing, updated array that has a mix of #s and letters, unless the word is complete  
 c. output: Boolean; true/false represents whether the word is complete

GameIntro()

Int numWrongGuesses = 0

**Flow Chart**

while (numWrongGuesses<6)

char guess = getGuess()

int location = secretWord.indexOf(guess)

if(location != -1)

Char[] printWord = blankWord(secretWord.length())

numWronGuesses+=1  
Letter not found!

You win!

print(printWord)

printWord = incompleteWord(guess,secretWord,printWord)

Boolean completed = wordComplete(secretWord, printword)