**Requirements**

Here are the requirements for your game:

1. The computer must select a word at random from the list of available words that was provided in words.txt. The functions for loading the word list and selecting a random word have already been provided for you in ps3\_hangman.py.
2. The game must be interactive; the flow of the game should go as follows:
   * At the start of the game, let the user know how many letters the computer's word contains.
   * Ask the user to supply one guess (i.e. letter) per round.
   * The user should receive feedback immediately after each guess about whether their guess appears in the computer's word.
   * After each round, you should also display to the user the partially guessed word so far, as well as letters that the user has not yet guessed.
3. Some additional rules of the game:
   * A user is allowed 8 guesses. Make sure to remind the user of how many guesses s/he has left after each round. Assume that players will only ever submit one character at a time (A-Z).
   * A user loses a guess **only** when s/he guesses incorrectly.
   * If the user guesses the same letter twice, do not take away a guess - instead, print a message letting them know they've already guessed that letter and ask them to try again.
   * The game should end when the user constructs the full word or runs out of guesses. If the player runs out of guesses (s/he "loses"), reveal the word to the user when the game ends.

Try 1:

My output

Welcome to the game, Hangman!

I am thinking of a word that is 1 letters long

-----------

You have 8 guesses left

Available Letters: abcdefghijklmnopqrstuvwxyz

Please guess a letter: c

Good guess: c

-----------

You have 8 guesses left

Available Letters: abdefghijklmnopqrstuvwxyz

-----------

Congratulations, you won!

None

\*\*\* ERROR: Failing on end of game.

Expected line: Congratulations, you won!

Your code generated: You have 8 guesses left \*\*\*

Correct:

Welcome to the game Hangman!

I am thinking of a word that is 1 letters long

-----------

You have 8 guesses left

Available Letters: abcdefghijklmnopqrstuvwxyz

Please guess a letter: c

Good guess: c

-----------

Congratulations, you won!

None

Try 2:

My output:

Welcome to the game, Hangman!

I am thinking of a word that is 1 letters long

-----------

You have 8 guesses left

Available Letters: abcdefghijklmnopqrstuvwxyz

Please guess a letter: a

Oops! That letter is not in my word: \_

-----------

You have 7 guesses left

Available Letters: bcdefghijklmnopqrstuvwxyz

Please guess a letter: b

Oops! That letter is not in my word: \_

-----------

You have 6 guesses left

Available Letters: cdefghijklmnopqrstuvwxyz

Please guess a letter: d

Oops! That letter is not in my word: \_

-----------

You have 5 guesses left

Available Letters: cefghijklmnopqrstuvwxyz

Please guess a letter: e

Oops! That letter is not in my word: \_

-----------

You have 4 guesses left

Available Letters: cfghijklmnopqrstuvwxyz

Please guess a letter: f

Oops! That letter is not in my word: \_

-----------

You have 3 guesses left

Available Letters: cghijklmnopqrstuvwxyz

Please guess a letter: g

Oops! That letter is not in my word: \_

-----------

You have 2 guesses left

Available Letters: chijklmnopqrstuvwxyz

Please guess a letter: h

Oops! That letter is not in my word: \_

-----------

You have 1 guesses left

Available Letters: cijklmnopqrstuvwxyz

-----------

Sorry, you ran out of guesses. The word was c.

None

\*\*\* ERROR: Failing test.

Expected line: Please guess a letter: i

Your code generated: ----------- \*\*\*

Correct:

Welcome to the game Hangman!

I am thinking of a word that is 1 letters long

-----------

You have 8 guesses left

Available Letters: abcdefghijklmnopqrstuvwxyz

Please guess a letter: a

Oops! That letter is not in my word: \_

-----------

You have 7 guesses left

Available Letters: bcdefghijklmnopqrstuvwxyz

Please guess a letter: b

Oops! That letter is not in my word: \_

-----------

You have 6 guesses left

Available Letters: cdefghijklmnopqrstuvwxyz

Please guess a letter: d

Oops! That letter is not in my word: \_

-----------

You have 5 guesses left

Available Letters: cefghijklmnopqrstuvwxyz

Please guess a letter: e

Oops! That letter is not in my word: \_

-----------

You have 4 guesses left

Available Letters: cfghijklmnopqrstuvwxyz

Please guess a letter: f

Oops! That letter is not in my word: \_

-----------

You have 3 guesses left

Available Letters: cghijklmnopqrstuvwxyz

Please guess a letter: g

Oops! That letter is not in my word: \_

-----------

You have 2 guesses left

Available Letters: chijklmnopqrstuvwxyz

Please guess a letter: h

Oops! That letter is not in my word: \_

-----------

You have 1 guesses left

Available Letters: cijklmnopqrstuvwxyz

Please guess a letter: i

Oops! That letter is not in my word: \_

-----------

Sorry, you ran out of guesses. The word was c.

None