

Security Scripting Final Project

Hangman

Overview

Create a hangman game in Python. Use the following requirements when building your game. Turn in the hangman.py file as your final project.

Gameplay Requirements

- When launched, the game will welcome the user and provide instructions for playing
- Pick a random word from the word list provided
- During gameplay:
 - At the start of the game, present the user with a series of underscores that represent the word. The number of underscores corresponds to the number of letters in the word. Consider using a space between underscores for readability.
 - Prompt the user to guess a letter.
 - Keep track of the letters guessed and the number of guesses.
 - If the letter is in the word, insert it into the word in the appropriate position.
 - If the letter is not in the word, inform the user that the letter is not in the word and tell the user how many guesses they have made or have left.
- The following conditions will determine the end of the game:
 - The user guesses 10 incorrect letters
 - Keep track of the letters guessed.
 - Duplicate letter guesses don't count against the user
 - Inform the user that they already guessed that letter
 - The user guesses a word
 - If the user guesses a word and it is wrong, the game ends and the player loses
 - If the user guesses a word and it is correct, the game ends and the player wins
 - The user guesses all of the letters
 - Once the puzzle is completely filled in, the game ends
- At the end of the game:
 - If the player won, congratulate them
 - If the player lost, provide condolences
 - Ask the player if they want to play again
 - If yes, pick a new word, reset the counter, reset the letters guessed and start all over.
 - If no, say goodbye and thanks for playing

Other Requirements

- Validate user input, accept only letters
- Add code comments, function descriptions (PEP8)
- Keep it simple and clean (Zen of Python)
- Code that is used frequently goes in functions (i.e., user input, feedback, letter comparisons, etc.)
- Play test your game and make sure it doesn't crash!