Pre-course: JavaScript

JavaScript – Assignment #3 - HANGMAN

The following exercise contains the following subjects:

◆ JavaScript

◆ String manipulations
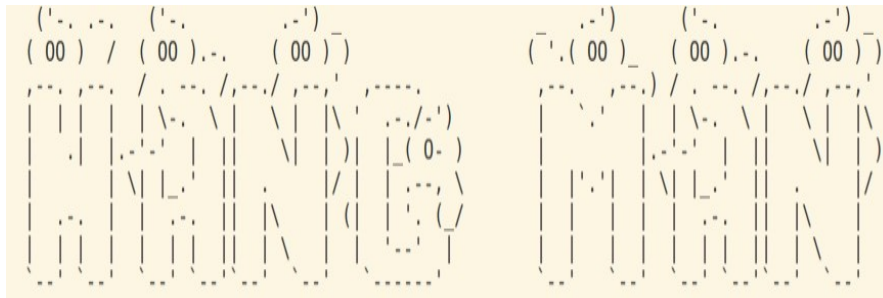
◆ Arrays

◆ Functions

Submitting instructions:

• You should submit this assignment yourself

• Submit the following:

   - hangedMan.js file

   - Free text (in hive) – a description of the program and how you chose to implement the diagnosis algorithm

• Submit the solution using Hive

The game's splash screen

The user receives an elegant welcome message, for example:

You can for example download [this library.](#) Search for more of their fonts online.

The game

1. The program should randomly select a word and display an asterisk for each letter (like in password fields).
2. The player has 10 attempts to guess the word, one letter at a time.

A turn in the game

1. The player is asked to type his guess (a single letter):
   - In case the letter appears in the word, all of the asterisk that represents that letter should be replaced with the letter (the guess is not case sensitive, so a=A.
   - If the guess was wrong (the letter does not appear in the word) the user will lose an attempt.
   - If the user entered an invalid guess (number, symbol), the program should prompt a message saying the guess is invalid and the user will not lose an attempt.
2. The game ends in one of two cases:
   - The user guessed the word
   - The user has no more attempts and the secret word is unveiled

   In both cases a relevant message should be displayed.

Highlights

- The program should not fail on invalid input (space, whole word or a number). If the program receives an invalid input it should alert the user without penalty. The alert message should just state that the input is invalid.

- The game should work with single words only (not phrases).

- The program should not be case sensitive.

- The program should exit after one round. There is no need to ask the user for a second round.

You can add your own words into the array, just remember to add a comma in the right place.

Screen Capture

```
You have 10 guesses
The word is:
**********
What is your guess?
a
You have 10 guesses
The word is:
*******a**
What is your guess?
n
You have 10 guesses
The word is:
**n****an*
What is your guess?
z
You have 9 guesses
The word is:
**n****an*
What is your guess?
word
Please enter only one character
You have 9 guesses
The word is:
**n****an*
What is your guess?
```

Word is Wonderland

User guessed a

a appears only once

User guessed n

n appears twice

User guessed z

z does not appear

Invalid input

Game continues

```
You have 6 guesses
The word is:
wonder*and
What is your guess?
l
Wow You are good!!!
```

Geek out

Allow the user to guess the entire word.