The Play Question

Create an application using HTML, CSS, JavaScript, Bootstrap and jQuery

The application should have only one screen

The screen should have a textbox and a button initially

The textbox should mask the entry done in it.

User1(anyone) can enter a word in the textbox and press the button. (Lets assume the user1 enters GOAL)

Once the button is pressed another textbox and button should be visible. The earlier textbox should be disabled and so is the button. Also the length of the entered word should be displayed to the next user

Example “The word is 4 characters long”

Now the user2(anyone) can start playing the game

The user has to enter a word in the new textbox

Once the user hits the button we have to find the number of characters that are the same position(termed as COW )and the number of characters in different position (termed as BULL).

For example

The user2 enters HEAP

You will display 1 COW and 0 BULL ( since A is at same position as GOAL)

The user2 enters GULF

You will display 1 COW and 1 BULL( since G is at same position as GOAL and L is at different position)

The user2 enters GOAT

You will display 3 COW and 0 BULL( since GOA is at same position as GOAL)

The user2 enters GOAL

You will display 4 COW and 0 BULL( since GOAL is at same position as GOAL)

And Display the user has won

Explaining the Cow and Bull Game

2 Players

1st player thinks of a word and just reveals the number of characters in it.

2nd player has to guess the word.

If the guessed word has the same character in same position it is counted as COW

If the guessed word has the same character in different position it is counted as BULL

The 1st player just tells how many COWS and how many BULLS are there in the word guessed by the 2nd player.

The second player has to keep guessing based the COWS and BULLS he gets

If all the letters are found in right order the 2nd player wins