**Problem**

Write a program to play a simplified version of Hangman. The program should prompt a user for a word to be guessed and then display dashes in place of each of the letters, for example:

Word to be guessed: scratch

Display: -------

A second player is then prompted to guess letters in the word. If the letter is present, all occurrences of that letter should be replaced and the word displayed again:

Letter guessed: c

Display: -c---c-

When all the letters have been correctly guessed, the program should output the number of guesses it took to get the word.

**Requirements**

* R1: prompt for word/character
* R2: display dashes in place of each letter
* R3: output number of guesses it took to get the word

**Test cases**

**Normal values**

N1: ‘a’ string char

**Invalid values**

I1: 1234 as number input

I2: ‘word’ as string input

**Boundary values**

B1: there is no boundary values as it is A-Z input

**Special cases**

S1: special character typed

**Test Plan**

Note: UT = Unit Test; IT = Integration Test

|  |  |  |
| --- | --- | --- |
| **Test** | **Instruction (Satisfies test cases)** | **Expected** |
| UT1 | Type ‘a’ as input (N1) | Search letter ‘a’ in word and if found replace with ‘a’ instead of - |
| UT2 | Type 1234 as input (I1) | Should say ‘Wrong’ as repeat the process |
| UT3 | Type full string ‘word’ as input (I2) | Should say ‘Wrong’ as repeat the process |
| UT4 | Type special characters | Should say ‘Wrong’ as repeat the process |