**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:
* R2:
* R3:
* R4:
* R5:
* R6:

**Test cases**

**Normal values**

N1:

N2:

N3:

N4:

**Invalid values**

I1:

I2:

**Boundary values**

B1:

B2:

**Special cases**

**Test Plan**

Note: UT = Unit Test; IT = Integration Test

|  |  |  |
| --- | --- | --- |
| **Test** | **Instruction (Satisfies test cases)** | **Expected** |
| UT1 | Type positive (N1) | Output accordingly with the input selected through the menu |
| UT2 | Type negative (N2) | Output accordingly with the input selected through the menu |
| UT3 | Type positive and negative (N3) | Output accordingly with the input selected through the menu |
| UT4 | Type ‘string’ instead of integers (I1) | Error: no output for the program (Program crashes) |
| UT5 | -1 or more than 5 for menu entry selection (I2) | No operation selected |
| UT6 | 0 for the menu option (B1) | No operation selected |
| UT7 | 6 for the menu option (B2) | No operation selected |