**Data Structures: Programming 3 “Morse Code”**

**For “sample” testing**

Your program should at least allow the user to select the following options (via a prompt):

1. “Do you wish to encode or decode (e/d)?”:

Example: cout << “\nDo you wish to encode or decode (e/d)”

If the user wishes to continue to encode or decode, enter either “e” or “d” from the keyboard. Otherwise, the program will terminate normally. (This will allow the tester to test multiple rounds of encoding or decoding.) So, this is to control the normal termination of your program.

2. “Please enter either ‘e’ for encoding or ‘d’ for decoding: “

3a. If “e” is selected, “Please enter a word to be encoded: “

Your program should produce the result with “Encoded word is: “

3b. If “d” is selected, provide the prompt with “Please enter an encoded word: “

Your program should produce the result with “Your word decoded is: “

4. Add a simple error case: if the user enters an “invalid encoded word”, generate the result with “Invalid Input – invalid encoded word”.