Test Plan

OOSDD: Project Portfolio

WS Number - 328700

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# Error: 1

Issue with Method overloading

With method overloading, the 2 functions have to have different parameters.

During runtime the correct function will be chosen based on the parameters that are included in the call. This means that the 2 functions have to differ by having either a different number of parameters, or having parameters of different types.

In my code, I had negated this fact, trying to get 2 functions that were supposed to overload not, due to having the same parameters.

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This is an easy fix, as all we have to do is fix the parameters so that they are different allowing method overloading to work correctly.

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Having not noticed this at first, I did try using the keyword new to try and get them to work regarding some research I had done in the error, not noticing I had the parameters the same, after realising and fixing this issue though the code should now work.

# Error: 2

My next error was an error made while creating the menu.

For the menu I created its own class, in an attempt to make my code more legible and easier to follow. The menu would be able to call the different classes as needed.

When creating the starting menu, I wanted to be able to give a selection of possible things the user can do, with them then inputting a number value to represent what they do, the actions could then be executed using a switch case.

The error I developed was by trying to use a try catch block with a int.Parse.

There is a specific function called int.TryParse, that works a bit differently but also will not give me the same error I got.

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To fix this we can remove the try catch block and just replace it with the int.TryParse which outputs a Boolean that returns whether the parsing worked or not.

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As well as being more legible and overall, a cleaner solution, this now allows that the code will work in a more concise manner.

# Error 3

The next error is a logical one.

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This code works great at using files to be able to turn them into morse code.

With text such as “hello” it will be able to turn it into morse (Assuming we first convert it all to uppercase)

The error occurs when it comes to spaces in the string.

For example text such as “Hello World” shows that there is an invalid character.

To fix this we can add just a simple line, adding a new key value pair.

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With this new line we can use / to symbolise that there is a space, as to symbolise breaking up of words.



This now accurately converts this into morse without the error we were getting before