

CHINONSO EMMANUEL OKAFOR
SOFTWARE ENGINEERING
CODE REVIEW EXERCISE

Project Description:

This is the boggle solver project that takes in a grid and a dictionary as input. The grid contains letters of the alphabet, either one or two combined letters per cell, and the dictionary contains words. We return a list of all words, having a length greater than three, in the dictionary that can be generated from the grid. The grid is valid only if all letters in the grid cells is a single letter, irrespective of the case excluding Q, S, s, q, and including St, Qu, and their case combinations. Each word considered valid from the grid must not use the letter in a cell more than once and words are only formed from letters in the grid adjacent to each other including diagonals. Invalid or empty inputs should be handled and an empty result is handled.

Group Members:

- Onwuosiuno M Ikhioda
- Melidem Izuchukwu Nwokolo
- Chinonso E Okafor

Defects Found:

Onwuosiuno/Izu:

- Not enough comments explaining what each function does.

- Too many if statements, could be combined to make code more concise and understandable

Summary of the Recommendation

We should always have it in mind to come up with a readable and neat code so that everyone looking at it can easily understand it. Our codes should have JSDocs for all functions and other comments where necessary for any understanding. We should try to understand the difference between let and const and know when to use each. Lines of code comprising of very large characters aren't really nice and it is of good practice to shorten them where necessary. We should always avoid trailing spaces after each line of code and make sure our code is orderly and neat. Finally, we should always stick to either indentation or spaces

Review Time and Defects Found

I really learnt a lot from each review. I was corrected on aspects that I thought were totally allowed and considered good practice. We spent quite some time ensuring that our code was acceptable and neat and everyone contributed to making the other's code somewhat better and organized.