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The aim of the project is to visualize DFS, and how it truly works. In this example, I have taken a word matrix. I can search for a word, such that the searcher can go any 4 directions. It’s more like tracing a path out.

Let’s take the matrix as:  
word=[

['A','B','X','X','A','B'],

['S','F','C','S','B','A'],

['A','X','X','X','K','J']

Word to be found: ABFXXXSBAXXC

It searches for the first letter in the grid. When it matches a letter, it turns green. If the letter it came across does not match, it turns red, and turns back to it’s original state.

It does so as long as all the first letters are exhausted.

It displays a success message when found, and not found when the word does not exist.

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