Word Search

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Introduction

- A word search puzzle(also known as word find,word seek,or mystery word puzzle) is a word game that consists of letters of words placed in grid,which usually has a rectangular or square shape.

Problem statement

- TO create a word search puzzle and to find the hidden words inside the grid

Word Search - Coronavirus

Can you find all of the words hidden in the puzzle below?

F	M	I	R	E	T	A	W	N	S	I	O	J	N	M
H	O	M	N	O	I	T	N	E	V	E	R	P	O	A
F	O	M	N	P	R	A	H	S	E	S	K	Z	I	S
P	Z	U	Z	O	E	E	P	S	M	N	C	L	T	K
P	X	N	U	L	I	R	V	O	O	O	Y	W	A	O
C	H	E	C	F	E	T	T	E	R	A	A	W	L	F
D	G	S	K	A	Q	P	C	O	F	S	P	E	O	R
R	U	Y	D	H	M	D	N	E	H	E	A	U	S	Y
U	O	S	I	Y	T	A	T	H	F	P	P	C	I	O
B	C	T	S	T	V	E	A	U	Y	N	K	D	N	T
I	C	E	O	I	C	O	V	I	D	G	I	G	N	I
O	C	M	R	H	E	A	L	T	H	Y	I	X	Y	S
N	U	U	I	M	M	E	Q	N	X	Z	K	E	U	S
M	S	Z	F	G	B	A	I	J	D	H	Y	M	N	U
L	B	E	P	X	I	S	F	O	A	Q	T	L	H	E

INFECTION
WATER
HYGIENE
HEALTHY
COVID
CLEAN

COUGH
ISOLATION
SYMPTOMS
SPREAD
MASK
FEVER

TISSUE
PREVENTION
SOAP
WASH
IMMUNESYSTEM
CORONAVIRUS

Approach

- To create a grid with certain length and width
- To hide the words in the grid inside based on the level of difficulty.
- All the hidden words should be found in a list alongside the grid.
- Each word from the list will become muted after the word has been guessed in the puzzle.

Learnings

- Pygame:for gaming app
- Latex

Challenges

- To match each letter with the word that is displayed beside
- To make the grid perfectly fit with the words without any disorder.

Tech Stack

- language-python
- Version Control - Git
- Programming language with version -python 3.8.5

Statistics

- Number of lines of Code : 34
- Number of functions : 3

P R O G R A M N O T L T
A L G O R I T H M T H K
P Y T H O N H E D G T T
M O F T T S V J G R S U
C O D I N G S U Y Z E J
W T K B G X J Z P W U W
W O X N E J J W N G M N
X W F F E W S B I B J I
P X V P B Y R C J U R G
M R Z V U I N T O W F U
G X Y P W L G Z V C K T
W P Z K H B V R B Y X Q

THANK YOU