

User Manual

BOGGLE

By Sean Darcy

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*****
*                               *
*                               *
*                               *
*   Play   *                   *
*                               *
*                               *
*****
```

Press A to go to the left, S to go to the right and Enter to select

Boggle is a game where the player has to find as many words as possible in 3 mins on a 4 by 4 grid of letters. The grid of letters is traditionally formed by rolling 16 dice with letters on them. This game replicates that.

Installation guide

Copy all files and folders to a location that you have permission to rewrite, for example your U:/ drive. The game requires constant rewriting of files and will not function otherwise.

Troubleshooting

Q- The game does not save instantly

A- The process of saving is very complex and requires multiple writing to files so it does have some saving time.

Q- The cheat does not load instantly

A- Similarly the cheat module requires searching through a dictionary some 40 000 words long, so it will have some loading time.

Q- The program is letting through words it shouldn't or saying a correct word is incorrect

A- Often if a correct word is not let through it is because it is not in the dictionary, it may be 40 000 words long but it certainly doesn't contain all of them. It is possible to go to the dictionary and add a new word by going to the file in the `:/dict/..` folder named after the first 2 letters of the word, adding it to the end. Aswell as going to the `new.txt` and adding it there. If it is saying a word that isn't correct is correct through the cheat module it is possible the word exists and you have never heard of it. Other than that the program was thoroughly tested to make sure words would only be correct if they actually were, if you find it is still letting through illegal words please let me know.

Q- The cheat module is showing a different board, HELP!

A- When the cheat module loads the board it does so by reading the `data/random.txt` file. This random board is generated every time you play, so you can run 2 programs at once, one with the game and one with the cheat running. However the game must be loaded before you can run the cheat module; doing so before it has loaded will result in a different board.

Q- I have entered a lot of words but I can't enter anymore why?

A- There is a 50 word limit when playing; this is because a person playing without the cheat module is highly unlikely to find over 50 words. If someone does so FAIRLY, I will give them a medal.

Playing the Game

The menu

The menu displays 5 icons, use the A and S keys to go left and right respectively and enter to select

Play

Cheat

Highscores

Instructions

Exit

Play

This creates a new board and lets you find words, in the user interface on the right is the playing board¹ in a 4 by 4 grid, on the bottom right is the timer² displaying how many seconds you have left. The middle part³ displays words you have entered that are correct, with the last two incorrect words entered that are displayed in the lower right hand corner⁴. At the bottom⁵, letters you have typed are displayed and below that⁶ reasons why a word is incorrect is displayed.

Boggle By Sean Darcy

FISH GOODS NOISY 3. DISHED	Playing Board 1. <table border="1"><tr><td>S</td><td>N</td><td>B</td><td>U</td></tr><tr><td>F</td><td>D</td><td>O</td><td>O</td></tr><tr><td>G</td><td>I</td><td>G</td><td>E</td></tr><tr><td>Y</td><td>S</td><td>H</td><td>D</td></tr></table>	S	N	B	U	F	D	O	O	G	I	G	E	Y	S	H	D
S	N	B	U														
F	D	O	O														
G	I	G	E														
Y	S	H	D														
incorrect words: INCORRECT NOTONBOARD 4.	TIMER 2. <table><tr><td>T</td><td>TTTTTTTT</td><td>T</td></tr><tr><td>T</td><td>135</td><td>T</td></tr><tr><td>T</td><td></td><td>T</td></tr><tr><td></td><td>TTTTTTTT</td><td></td></tr></table> Seconds Left	T	TTTTTTTT	T	T	135	T	T		T		TTTTTTTT					
T	TTTTTTTT	T															
T	135	T															
T		T															
	TTTTTTTT																
5. All of the letters are not on the Board 6.																	

Only letters will be shown as numbers and special characters will not be allowed, delete will remove the last character and enter will check the word. If the word is correct it will write it in the correct words area, if incorrect the reason why it is incorrect will be written beneath the word entry and will be added to the incorrect words box.

After your time is up the gameover screen will appear, the points you have earned will be displayed and if you have scored high enough, you will be asked for your name and your score will be saved, you will then return to the menu.

¹ Playing Board

² Timer

³ Correct words

⁴ Incorrect words

⁵ Word entry area

⁶ Incorrect word reasoning

Cheat

This module shows all words possible on the last board generated. This can include a board on a game currently being played. If there is more than 50 words you can press a key to view anymore, then again to return to menu.

Highscores

This shows a list of people who have gotten a highscore and what their score was, you can select which person you wish to view details about with the Q and A keys, and then pressing enter. This will display that game in the same format as the cheat module does. Esc to return to the main menu

Instructions

Displays simple instructions

Exit

Quits the program

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