

Project User Manual
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All inputs from the user have a validation loop that uses a try-except statement along with conditionals that are specific to each input. The user is given the option to quit at the main menu and at the start of each turn in the games.

Main Menu

Once the code starts the main menu will be displayed to the user. The main menu displays the three available games (MyWordle, Rock Paper Scissors (vs. AI or another player), and Aggie Trivia) along with an option to exit the code. At the bottom of the main menu, the nuances to the code are explained, so the user can have a more seamless experience. Finally, the user is prompted to make a choice of which game to play.

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There are three games to play:
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☆ Option 1 is MyWordle™ ☆
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General Concept of MyWordle™: MyWordle™ is a word guessing game where you have 12 attempts to guess the secret word. Hints will be given based on if the correct letter is in the correct slot, if the correct letter is in the word, or if the letter is in the word at all. (More specific instructions will be given once the game is selected.)
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☆ Option 2 is Rock Paper Scissors (vs. AI or another player) ☆
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General Concept of Rock Paper Scissors: This game is the same as normal old fashioned Rock Paper Scissors. You can play against a friend by selecting human as an opponent, or you can play against an AI by selecting computer as an opponent. Rock beats scissors, scissors beats paper, and paper beats rock. (More specific instructions will be given once the game is selected.)
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☆ Option 3 is Aggie Trivia ☆
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General Concept of Aggie Trivia: This game is like any other trivia game but with a focus on Texas A&M. There will be multiple choice questions displayed that are Aggie related. Get 100 % (12/12) of the questions right and win a special prize. (More specific instructions will be given once the game is selected.)
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☆ Option 4 is The Exit ☆
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This is the designated exit main menu option. Selecting this option will exit the entire program.
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☆ Attention ☆
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All game results will be displayed after the user has quit or completed the game. The main menu will appear immediately after the game is finished/quit. To see the results, either scroll up in the console, or make the console window longer vertically. Thanks and have fun!
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Which game do you want to play right now? (Enter option number 1, 2, 3, or 4 to quit):
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Game 1: MyWordle (Option 1)

Once the user has selected option 1 they will be brought to the menu screen of MyWordle. This screen will display the basic instructions, tips, the key to understanding the game, and an explanation of how to exit the game.

The user is then prompted to input a 5 letter word, similar to the original Wordle game. A series of invalid inputs will cause the user to be continually prompted with hints on how to input the correct/valid inputs. Then, once the user has inputted a valid input the hint will be displayed to them from the console. The user has 12 tries in total (12 for the 12th man) to get the desired word.

If the user wishes to quit the game, they are allowed to quit at the start of each guess. This is signified by the "or quit" in the parentheses.

Once the user gets the desired word or uses all of their attempts the word will be displayed to the console with a closing message. After the message has been displayed, the user will be immediately taken back to the main menu.

Howdy again! This game is called MyWordle™ because I made it.
It is basically the same as New York Times' Wordle, but in this game, there is a guess limit of 12, for the 12th man of course.

☆ How to play ☆

Guess any 5 letter word and press the 'Enter' key and the console will output the result of your guess. The word bank is the same as the one New York Times uses in their game Wordle.

☆ Tip ☆

None of the words in the word bank have more than one of the same letter. This should make the game easier.

☆ Key ☆

If there is a '■' in a letter slot that means the letter you entered is not in the word at all.

If there is a '■' that means the letter is in the word, just not in that slot.

Finally, if the letter you inputted is in the correct slot, the letter will appear in the correct slot in the hint output.

☆ How to Exit Game ☆

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Feel free to enter the word 'quit' at any time to exit the game.
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Using either of these commands will take you back to the main menu screen. Have fun!

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Input a 5 letter word and press enter (input quit to exit):
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Input a 5 letter word and press enter (input quit to exit): banana
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Use a shorter word.

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Input a 5 letter word and press enter: rye
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Use a longer word.

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Input a 5 letter word and press enter: 12345
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Use only letters, no numbers allowed.

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Input a 5 letter word and press enter: jacob
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You guessed: JACOB

Hint:

□ □ □ □ □

```
Input a 5 letter word and press enter (input quit to exit):
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```
Input a 5 letter word and press enter (input quit to exit): spent
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You guessed: SPENT

Hint:

SPENT

The word was: SPENT

Great job Jacob! You did it! You guessed the word in 9 tries!

Game 2: Rock Paper Scissors (vs. AI or another player) (Option 2)

Once the user has selected option 2 they will be brought to the menu screen of Rock Paper Scissors (vs. AI or another player). This screen will display the basic instructions, tips, the key to understanding the game, nuances to the game, and an explanation of how to exit the game. The user will be prompted to select their opponent type (AI or Human) and their desired match length (Best of 3, Best of 7, or Unlimited). The different opponent types have virtually the same instructions.

Once the opponent type and match length are selected, the game begins. The user is prompted to choose rock, paper, or scissors. A series of invalid inputs will cause the user to be continually prompted with hints on how to input the correct/valid inputs. Then, once the user has inputted a valid input the result of the round will be displayed to the console along with what each player inputted.

If the user wishes to quit the game, they are allowed to quit at the start of each guess. This is signified by the "or quit" in the parentheses.

Once the user finishes/quits their game the result of the game will be outputted to the console along with a pie chart of the frequency of each item (Rock, Paper, or Scissors). After the message has been displayed, the user will be immediately taken back to the main menu.

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Howdy again! This game is called Rock Paper Scissors (vs. AI or another player).
It is basically the same as a normal game Rock Paper Scissors except you can play against a friend (human) or a computer (AI).
There is also a match length option where you can choose the match set (Best of 3, Best of 7, or Unlimited).

☆ How to play ☆
Enter Rock, Paper, Scissors, or quit (to quit), then the opponent (Human or AI) will choose their input and the winner will be evaluated
through a few functions. The result will be outputted to the console along with the current score. After you are don playing, input
quit to exit the game. Depending on the most commonly used item (Rock/Paper/Scissors) a picture will be displayed.

☆ Attention ☆
Open the "Plots" window in the console to view the post game analysis!
Must have one of each item (Rock/Paper/Scissors) to earn post game analysis output!

☆ How to Exit Game ☆
Feel free to enter the word 'quit' at any time to exit the game.
Using this command will take you back to the main menu screen. Have fun!

Do you want to play against another human or an AI? (Enter HUMAN or AI): AI
Enter the length of match you want to play (3 for Best of 3, 7 for Best of 7, or 0 for unlimited): 3
Enter an item (Rock/Paper/Scissors or quit to exit):
Enter an item (Rock/Paper/Scissors or quit to exit): banana
Enter only rock, paper, or scissors.
Enter an item (Rock/Paper/Scissors): jacob
Enter only rock, paper, or scissors.
Enter an item (Rock/Paper/Scissors): 12345
Enter only rock, paper, or scissors.
Enter an item (Rock/Paper/Scissors): rock
This round was a draw. The AI chose ROCK and you chose ROCK.
The current score is 0 - 0. It's a tie game.
Enter an item (Rock/Paper/Scissors or quit to exit): |
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*****
You won! Great Job! The final score was 2 - 0!
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Then, the user is prompted to answer choice A, B, C, or D. A series of invalid inputs will cause the user to be continually prompted with hints on how to input the correct/valid inputs. Then, once the user has inputted a valid input the result of the answer inputted will be displayed. The user has three attempts per question. There are 12 questions in total (12 for the 12th man).

If the user earns a score of 100% on the Aggie Trivia Game they unlock a special “easter egg” along with their score. This special prize is a picture of Miss Reveille X in her crown. If the user quits the game early, they are shown their score in the console, then immediately returned back to the main menu.

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Howdy again! This game is called Aggie Trivia.
It is basically the same as normal a normal trivia game but the questions are focused on Texas A&M culture.

☆ How to play ☆
Enter a letter A, B, C, or D corresponding to the correct answer choice of the question that is being displayed.
You get 3 guesses per question, so you should do good. If you get a 100% (12/12) you'll win a special prize, so try your best!

☆ Attention ☆
Open the "Plots" window in the console to see the special prize!

☆ How to Exit Game ☆
Feel free to enter the word 'quit' at any time to exit the game.
Using this command will take you back to the main menu screen. Have fun!

What number mascot is currently at Texas A&M?
A: 7
B: 9
C: 10
D: 8

Enter guess (A, B, C, D, or quit to exit):
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Exit Menu (Option 4)

Once the user has selected option 4 they will be brought to the closing menu screen. This screen displays a thank you message to the user for playing along with the sign off by the creator.

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Which game do you want to play right now? (Enter option number 1, 2, 3, or 4 to quit): 4
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Thanks for playing Jacob!
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