**Wordle Game User's Manual**

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**1. Introduction**

* About the Wordle Game

Wordle is a popular word puzzle game where the player must guess a secret word of a specific length within a limited number of attempts. The game provides feedback on each guess, helping the player narrow down the possibilities until the correct word is guessed or the allowed number of attempts is exhausted.

* Installation and System Requirements

The Wordle game is built using Python and tkinter.

To run the game, you need to have Python installed on your computer.

Additionally, ensure you have the PIL module installed for image support.

**2. Getting Started**

* Launching the Game

To start the Wordle game, follow these steps:

* + Open a terminal or command prompt.
  + Navigate to the directory where the game's Python script is located.
  + Run the following command:
    - bash
    - Copy code
    - python your\_wordle\_game\_script.py
* Main Menu

Upon launching the game, you will see the main menu, which includes buttons to select the word length and interact with the game.

* Selecting Word Length

Click on the buttons labeled "4", "5", or "6" to select the word length.

Once you've selected the desired word length, the game will start, and you will see a set of buttons for each letter of the alphabet.

The game window also includes an entry field for entering your guesses and a label displaying your previous guesses.

**3. How to Play**

* Making Guesses

To make a guess, type the word you want to guess into the entry field.

Click the "Submit" button to submit your guess.

* Validating Guesses

Your guesses must be valid words consisting only of alphabetic characters.

The word's length must match the selected word length.

Invalid guesses will trigger an error message, and you can try again.

* Guess Feedback

After submitting a guess, the game will provide feedback.

Correctly guessed letters will be highlighted in green.

Incorrect letters that appear in the secret word but are not in the correct position will be highlighted in yellow.

* Winning and Losing

If you correctly guess the secret word, you win the game.

If you exhaust all your attempts without guessing the word, you lose the game.

**4. Controls and Navigation**

* Buttons and Actions
  + "Submit": Submits your guess for evaluation.
  + "New Game": Starts a new game with the currently selected word length.
  + "Exit": Closes the game and exits the application.
* Using the Letter Buttons

Click on the letter buttons to input letters in the guess entry field.

This feature provides an easy way to construct your guesses.

**5. Additional Information**

* Secure Coding Practices

The Wordle game application follows secure coding best practices to ensure a safe and reliable user experience. Input validation is implemented to verify user guesses, preventing unexpected behavior and ensuring the game runs smoothly.