

Word puzzle

This is a Word Puzzle Game where players need to guess a scrambled word within a given time limit. The game has the following features:

1. **Difficulty Levels:** The player selects a difficulty level (Easy, Medium, Hard) before starting the game. Each level has a different set of words and time limit.
 - Easy: 15 seconds, with short words (3-5 letters)
 - Medium: 10 seconds, with moderately long words (5-7 letters)
 - Hard: 5 seconds, with longer and more complex words (7+ letters)
2. **Word Scrambling:** The game selects a random word from a predefined list based on the chosen difficulty, scrambles its letters, and displays the scrambled version for the player to guess.
3. **Score System:** The player earns points for correctly guessing the word. The score increases for every correct guess. The high score is saved in the browser's local storage and persists between sessions.
4. **Timer:** The player has a limited time to guess the word. If the timer runs out, the game restarts automatically with a new word.
5. **Feedback:** After each guess, the game provides feedback. If the guess is correct, the player is informed with a success message and a new word. If the guess is wrong, the player is encouraged to try again.
6. **Restart Option:** There's an option to restart the game with a new word at any point.

The game interface includes a start button, difficulty selection buttons, an input field for guesses, a submit button, and visual elements for showing the scrambled word, timer, score, and result.