Sedordle and JavaScript

Natasha Wozniak
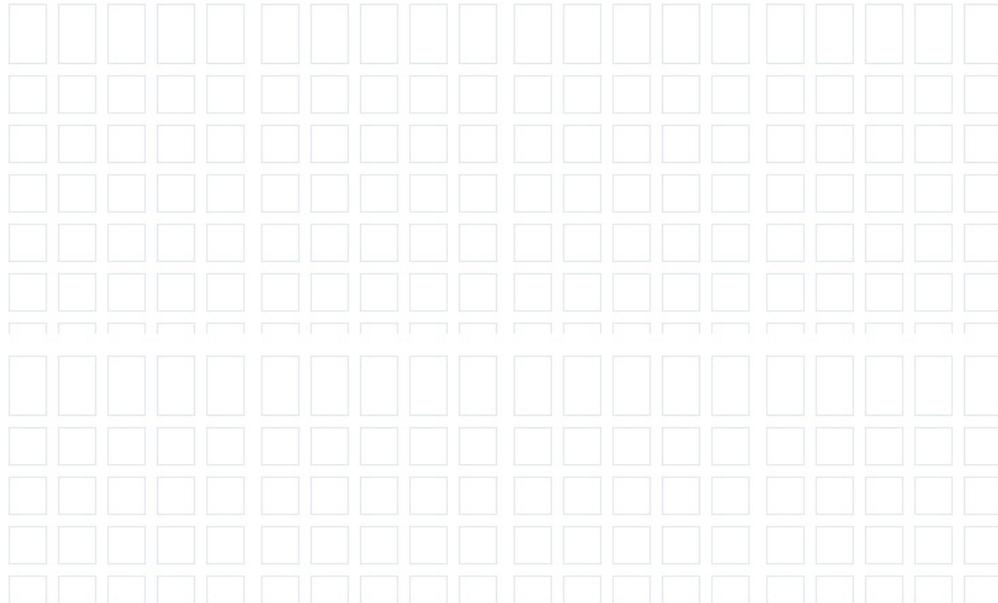
Components

📄	GameBoard.jsx	Fix duplicate target words	last month
📄	Guess.jsx	Update	2 months ago
📄	Key.jsx	Update	2 months ago
📄	Keyboard.jsx	Update	2 months ago
📄	Letter.jsx	Update	2 months ago
📄	ShareButton.jsx	Add share button, other smaller updates	2 months ago
📄	TitleBar.jsx	We reset at UTC, also clean up with NiceLink	2 months ago
📄	Wordle.jsx	Much better on mobile, change opacity of completed	2 months ago

```
let slices = [[0, 8], [8, 16]];
if (size.width < 800) {
  slices = new Array(16).fill(undefined).map((_, i) => [i, i + 1]);
} else if (size.width < 1000) {
  slices = [[0, 2], [2, 4], [4, 6], [6, 8], [8, 10], [10, 12], [12, 14], [14, 16]];
} else if (size.width < 1550) {
  slices = [[0, 4], [4, 8], [8, 12], [12, 16]];
}
```

Making a 2-Dimensional Array for the Words

Conditional statements when submitting a guess

```javascript
const trySubmitCurrentGuessWord = () => {
  if (
    currentGuessWord.length === 5
    && (TARGET_WORDS.includes(currentGuessWord) || VALID_GUESSES.includes(currentGuessWord))
  ) {
    // TODO: This will create duplicates
    setUsedLetters([...usedLetters, ...currentGuessWord.split('')]);
    setGuessedWords([...guessedWords, currentGuessWord]);
    setCurrentGuessWord('');
  } else {
    toast({
      title: 'Invalid Guess',
      status: 'error',
      duration: 3000,
      isClosable: true,
    });
  }
};
```

Letter function defined

```jsx
import React from 'react';
import { HStack } from '@chakra-ui/react';

import Letter from './Letter';

export default function Guess({
  isCurrentGuess, letters, colours, refProp,
}) {
  return (
    <HStack ref={refProp}>
      {letters.concat(Array(5 - letters.length).fill('')).map((l, i) => (
        <Letter
          // eslint-disable-next-line react/no-array-index-key
          key={i}
          char={l}
          colour={colours[i]}
          isCurrentGuess={isCurrentGuess}
        />
      ))}
    </HStack>
  );
}
```

Guess function using Letter()

```jsx
import React from 'react';
import { HStack } from '@chakra-ui/react';

import Letter from './Letter';

export default function Guess({
  isCurrentGuess, letters, colours, refProp,
}) {
  return (
    <HStack ref={refProp}>
      {letters.concat(Array(5 - letters.length).fill('')).map((l, i) => (
        <Letter
          // eslint-disable-next-line react/no-array-index-key
          key={i}
          char={l}
          colour={colours[i]}
          isCurrentGuess={isCurrentGuess}
        />
      ))}
    </HStack>
  );
}
```

Sources!

- MDN Constibutors. (2022). JavaScript basics. Retrieved from https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/JavaScript_basics

- psidex. (2022). Sedordle [computer software]

- Sedordle. Retrieved from https://sedordle.com/