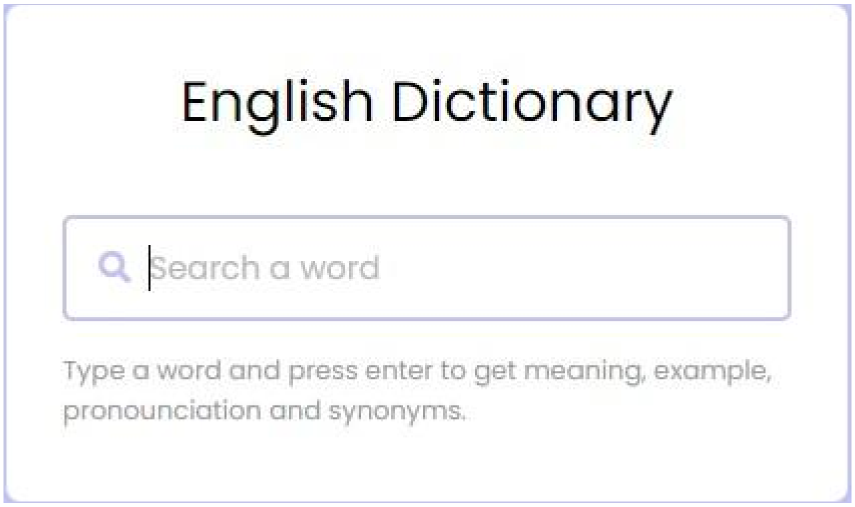
dailyDiction


English Dictionary

Type a word and press enter to get meaning, example, pronounciation and synonyms.

Project Link

https://bit.ly/33PAcBF

Project Description

dailyDiction is a dictionary-based web application.
It helps us to search the meaning of a word through an external API.
It also gives us an example and synonyms related to the word.
We can also check the pronunciation of the word with the help of JavaScript functions.

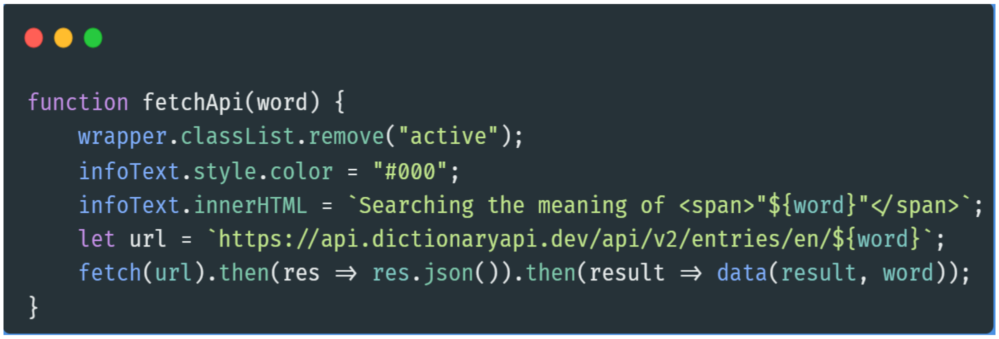
Languages Used

HTML, CSS, JavaScript

External API Used

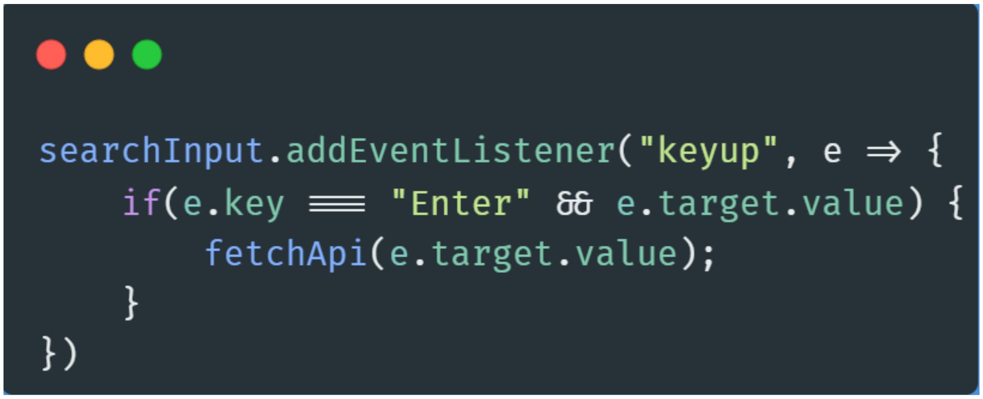
Website - https://dictionaryapi.dev/
API - https://api.dictionaryapi.dev/api/v2/entries/en/<word>

Code Workflow



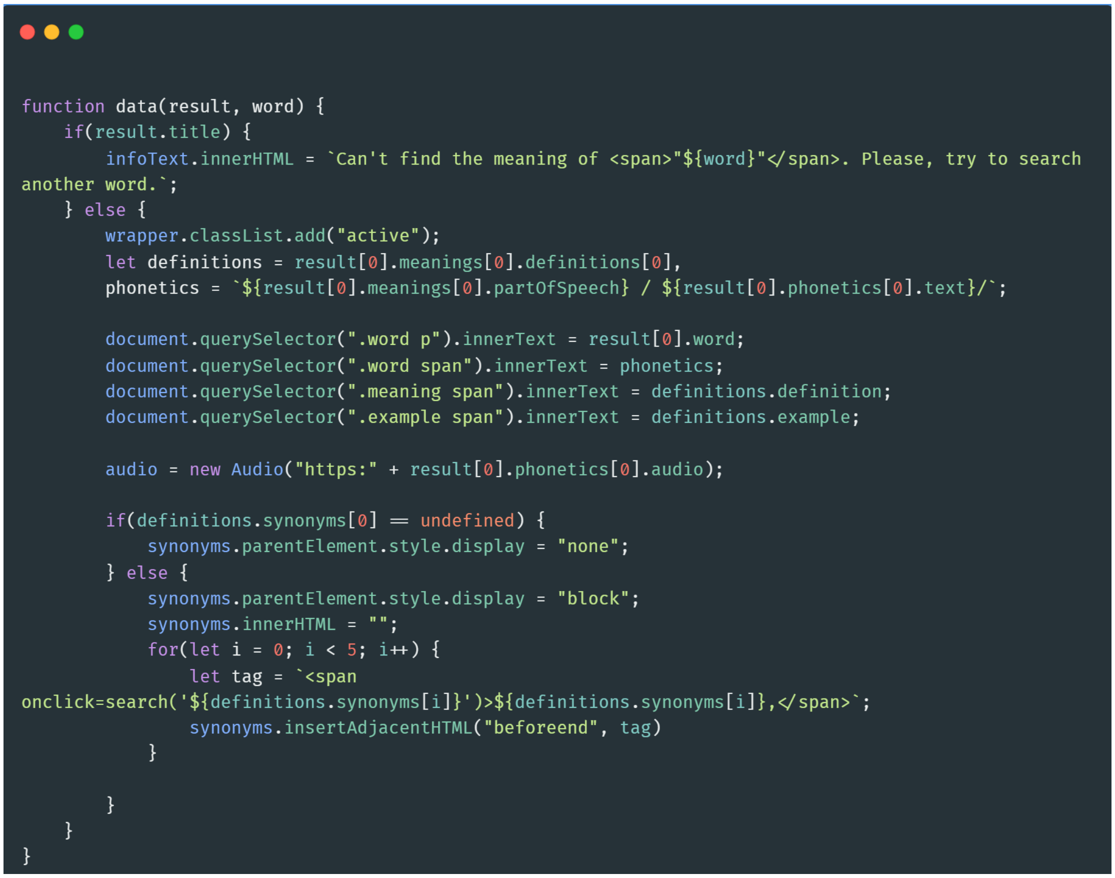
```
function fetchApi(word) {
    wrapper.classList.remove("active");
    infoText.style.color = "#000";
    infoText.innerHTML = `Searching the meaning of <span>"${word}"</span>`;
    let url = `https://api.dictionaryapi.dev/api/v2/entries/en/${word}`;
    fetch(url).then(res => res.json()).then(result => data(result, word));
}
```

fetchApi()
The above code helps us to search the meaning of a word through an external API.



```
searchInput.addEventListener("keyup", e => {
    if(e.key === "Enter" && e.target.value) {
        fetchApi(e.target.value);
    }
})
```

The above code checks if the key pressed is **Enter** or not. And also checks the word is typed in the search box before pressing the **Enter Key.**



```
function data(result, word) {
    if(result.title) {
        infoText.innerHTML = `Can't find the meaning of <span>"${word}"</span>. Please, try to search
another word.`;
    } else {
        wrapper.classList.add("active");
        let definitions = result[0].meanings[0].definitions[0],
        phonetics = `${result[0].meanings[0].partOfSpeech} / ${result[0].phonetics[0].text}/`;

        document.querySelector(".word p").innerText = result[0].word;
        document.querySelector(".word span").innerText = phonetics;
        document.querySelector(".meaning span").innerText = definitions.definition;
        document.querySelector(".example span").innerText = definitions.example;

        audio = new Audio("https:" + result[0].phonetics[0].audio);

        if(definitions.synonyms[0] == undefined) {
            synonyms.parentElement.style.display = "none";
        } else {
            synonyms.parentElement.style.display = "block";
            synonyms.innerHTML = "";
            for(let i = 0; i < 5; i++) {
                let tag = `<span
onclick=search('${definitions.synonyms[i]}')>${definitions.synonyms[i]},</span>`;
                synonyms.insertAdjacentHTML("beforeend", tag)
            }

        }
    }
}
```

data()

The above code does all the required DOM manipulations on basis of the response from the API server.