SIMPLE WEB APPLICATION USING HTML AND PHP

<!DOCTYPE html>

<!-- Coding By CodingNepal - youtube.com/codingnepal -->

<html lang="en" dir="ltr">

<head>

<meta charset="utf-8">

<title>Dictionary App in JavaScript | CodingNepal</title>

<link rel="stylesheet" href="style.css">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- CDN Link for Icons -->

<link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css"/>

</head>

<body>

<div class="wrapper">

<header>English Dictionary</header>

<div class="search">

<input type="text" placeholder="Search a word" required spellcheck="false">

<i class="fas fa-search"></i>

<span class="material-icons">close</span>

</div>

<p class="info-text">Type any existing word and press enter to get meaning, example, synonyms, etc.</p>

<ul>

<li class="word">

<div class="details">

<p>\_\_</p>

<span>\_ \_</span>

</div>

<i class="fas fa-volume-up"></i>

</li>

<div class="content">

<li class="meaning">

<div class="details">

<p>Meaning</p>

<span>\_\_\_</span>

</div>

</li>

<li class="example">

<div class="details">

<p>Example</p>

<span>\_\_\_</span>

</div>

</li>

<li class="synonyms">

<div class="details">

<p>Synonyms</p>

<div class="list"></div>

</div>

</li>

</div>

</ul>

</div>

<script src="script.js"></script>

</body>

</html>

CSS:-

@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600;700&display=swap');

\*{

margin: 0;

padding: 0;

box-sizing: border-box;

font-family: 'Poppins', sans-serif;

}

body{

display: flex;

align-items: center;

justify-content: center;

min-height: 100vh;

background: #4D59FB;

}

::selection{

color: #fff;

background: #4D59FB;

}

.wrapper{

width: 420px;

border-radius: 7px;

background: #fff;

padding: 25px 28px 45px;

box-shadow: 7px 7px 20px rgba(0, 0, 0, 0.05);

}

.wrapper header{

font-size: 28px;

font-weight: 500;

text-align: center;

}

.wrapper .search{

position: relative;

margin: 35px 0 18px;

}

.search input{

height: 53px;

width: 100%;

outline: none;

font-size: 16px;

border-radius: 5px;

padding: 0 42px;

border: 1px solid #999;

}

.search input:focus{

padding: 0 41px;

border: 2px solid #4D59FB;

}

.search input::placeholder{

color: #B8B8B8;

}

.search :where(i, span){

position: absolute;

top: 50%;

color: #999;

transform: translateY(-50%);

}

.search i{

left: 18px;

pointer-events: none;

font-size: 16px;

}

.search input:focus ~ i{

color: #4D59FB;

}

.search span{

right: 15px;

cursor: pointer;

font-size: 18px;

display: none;

}

.search input:valid ~ span{

display: block;

}

.wrapper .info-text{

font-size: 13px;

color: #9A9A9A;

margin: -3px 0 -10px;

}

.wrapper.active .info-text{

display: none;

}

.info-text span{

font-weight: 500;

}

.wrapper ul{

height: 0;

opacity: 0;

padding-right: 1px;

overflow-y: hidden;

transition: all 0.2s ease;

}

.wrapper.active ul{

opacity: 1;

height: 303px;

}

.wrapper ul li{

display: flex;

list-style: none;

margin-bottom: 14px;

align-items: center;

padding-bottom: 17px;

border-bottom: 1px solid #D9D9D9;

justify-content: space-between;

}

ul li:last-child{

margin-bottom: 0;

border-bottom: 0;

padding-bottom: 0;

}

ul .word p{

font-size: 22px;

font-weight: 500;

}

ul .word span{

font-size: 12px;

color: #989898;

}

ul .word i{

color: #999;

font-size: 15px;

cursor: pointer;

}

ul .content{

max-height: 215px;

overflow-y: auto;

}

ul .content::-webkit-scrollbar{

width: 0px;

}

.content li .details{

padding-left: 10px;

border-radius: 4px 0 0 4px;

border-left: 3px solid #4D59FB;

}

.content li p{

font-size: 17px;

font-weight: 500;

}

.content li span{

font-size: 15px;

color: #7E7E7E;

}

.content .synonyms .list{

display: flex;

flex-wrap: wrap;

}

.content .synonyms span{

cursor: pointer;

margin-right: 5px;

text-decoration: underline;

}

JavaScript:-

const wrapper = document.querySelector(".wrapper"),

searchInput = wrapper.querySelector("input"),

volume = wrapper.querySelector(".word i"),

infoText = wrapper.querySelector(".info-text"),

synonyms = wrapper.querySelector(".synonyms .list"),

removeIcon = wrapper.querySelector(".search span");

let audio;

function data(result, word){

if(result.title){

infoText.innerHTML = `Can't find the meaning of <span>"${word}"</span>. Please, try to search for another word.`;

}else{

wrapper.classList.add("active");

let definitions = result[0].meanings[0].definitions[0],

phontetics = `${result[0].meanings[0].partOfSpeech} /${result[0].phonetics[0].text}/`;

document.querySelector(".word p").innerText = result[0].word;

document.querySelector(".word span").innerText = phontetics;

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>`;

tag = i == 4 ? tag = `<span onclick="search('${definitions.synonyms[i]}')">${definitions.synonyms[4]}</span>` : tag;

synonyms.insertAdjacentHTML("beforeend", tag);

}

}

}

}

function search(word){

fetchApi(word);

searchInput.value = word;

}

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(response => response.json()).then(result => data(result, word)).catch(() =>{

infoText.innerHTML = `Can't find the meaning of <span>"${word}"</span>. Please, try to search for another word.`;

});

}

searchInput.addEventListener("keyup", e =>{

let word = e.target.value.replace(/\s+/g, ' ');

if(e.key == "Enter" && word){

fetchApi(word);

}

});

volume.addEventListener("click", ()=>{

volume.style.color = "#4D59FB";

audio.play();

setTimeout(() =>{

volume.style.color = "#999";

}, 800);

});

removeIcon.addEventListener("click", ()=>{

searchInput.value = "";

searchInput.focus();

wrapper.classList.remove("active");

infoText.style.color = "#9A9A9A";

infoText.innerHTML = "Type any existing word and press enter to get meaning, example, synonyms, etc.";

});