<!DOCTYPE html>

<html>

<body>

<h2>Search for Songs or Artists</h2>

<input type="text" id="searchBox" onkeyup="search()" placeholder="Search for songs or artists...">

<ul id="results">

<!-- Search results will be added here -->

</ul>

<script>

let singers = [

{id:"taylorSwift", artist:"Taylor Swift", genre:"Pop", songNames:["Love Story", "You Belong With Me"], type:"Single", picture:"", album:"", date:""},

{id:"radioHead", artist:"Radio Head", genre:["Rock", "Electronic"], songNames:["Creep", "Paranoid Android"], type:"Band", picture:"", album:"", date:""},

{id:"nirvana", artist:"Nirvana", genre:["Rock", "Electronic"], songNames:["Smells Like Teen Spirit", "Come As You Are"], type:"Band", picture:"", album:"", date:""},

{id:"duaLipa", artist:"Dua Lipa", genre:"Pop", songNames:["New Rules", "Don't Start Now"], type:"Single", picture:"", album:"", date:""},

];

function search() {

let input = document.getElementById('searchBox').value.toLowerCase();

let results = document.getElementById('results');

// Clear previous results

results.innerHTML = '';

// Search for songs and artists

singers.forEach(singer => {

if (singer.artist.toLowerCase().includes(input)) {

// If the artist's name includes the input, add all their songs to the results

singer.songNames.forEach(song => {

let li = document.createElement('li');

li.textContent = `${song} by ${singer.artist}`;

results.appendChild(li);

});

} else {

// If the artist's name doesn't include the input, check their songs

singer.songNames.forEach(song => {

if (song.toLowerCase().includes(input)) {

let li = document.createElement('li');

li.textContent = `${song} by ${singer.artist}`;

results.appendChild(li);

}

});

}

});

}

</script>

</body>

</html>