HTML

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Notes App</title>

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"

        integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous">

</head>

<body>

    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">

        <a class="navbar-brand" href="#">Magic Notes</a>

        <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent"

            aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">

            <span class="navbar-toggler-icon"></span>

        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">

            <ul class="navbar-nav mr-auto">

                <li class="nav-item active">

                    <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>

                </li>

            </ul>

            <form class="form-inline my-2 my-lg-0">

                <input class="form-control mr-sm-2" id="searchTxt" type="search" placeholder="Search" aria-label="Search">

                <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>

            </form>

        </div>

    </nav>

    <div class="container my-3">

        <h1>Welcome To Magic Notes</h1>

        <div class="card">

            <div class="card-body">

                <h5 class="card-title">Add a note</h5>

                <div class="form-group">

                    <textarea class="form-control" id="addTxt" rows="3"></textarea>

                </div>

                <button class="btn btn-primary" id="addBtn">Add Note</button>

            </div>

        </div>

        <hr>

        <h1>Your Notes</h1>

        <hr>

        <div id="notes" class="row container-fluid"> </div>

    </div>

    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"

        integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"

        crossorigin="anonymous"></script>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"

        integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"

        crossorigin="anonymous"></script>

    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"

        integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"

        crossorigin="anonymous"></script>

    <script src="js/app.js"></script>

</body>

</html>

JAVASCRIPT

console.log("Welcome to notes app. This is app.js");

showNotes();

// If user adds a note, add it to the localStorage

let addBtn = document.getElementById("addBtn");

addBtn.addEventListener("click", function(e) {

  let addTxt = document.getElementById("addTxt");

  let notes = localStorage.getItem("notes");

  if (notes == null) {

    notesObj = [];

  } else {

    notesObj = JSON.parse(notes);

  }

  notesObj.push(addTxt.value);

  localStorage.setItem("notes", JSON.stringify(notesObj));

  addTxt.value = "";

//   console.log(notesObj);

  showNotes();

});

// Function to show elements from localStorage

function showNotes() {

  let notes = localStorage.getItem("notes");

  if (notes == null) {

    notesObj = [];

  } else {

    notesObj = JSON.parse(notes);

  }

  let html = "";

  notesObj.forEach(function(element, index) {

    html += `

            <div class="noteCard my-2 mx-2 card" style="width: 18rem;">

                    <div class="card-body">

                        <h5 class="card-title">Note ${index + 1}</h5>

                        <p class="card-text"> ${element}</p>

                        <button id="${index}"onclick="deleteNote(this.id)" class="btn btn-primary">Delete Note</button>

                    </div>

                </div>`;

  });

  let notesElm = document.getElementById("notes");

  if (notesObj.length != 0) {

    notesElm.innerHTML = html;

  } else {

    notesElm.innerHTML = `Nothing to show! Use "Add a Note" section above to add notes.`;

  }

}

// Function to delete a note

function deleteNote(index) {

//   console.log("I am deleting", index);

  let notes = localStorage.getItem("notes");

  if (notes == null) {

    notesObj = [];

  } else {

    notesObj = JSON.parse(notes);

  }

  notesObj.splice(index, 1);

  localStorage.setItem("notes", JSON.stringify(notesObj));

  showNotes();

}

let search = document.getElementById('searchTxt');

search.addEventListener("input", function(){

    let inputVal = search.value.toLowerCase();

    // console.log('Input event fired!', inputVal);

    let noteCards = document.getElementsByClassName('noteCard');

    Array.from(noteCards).forEach(function(element){

        let cardTxt = element.getElementsByTagName("p")[0].innerText;

        if(cardTxt.includes(inputVal)){

            element.style.display = "block";

        }

        else{

            element.style.display = "none";

        }

        // console.log(cardTxt);

    })

})