CodeWithHarry



Notes App with Title - Exercise 3: Solution | JavaScript Tutorial In Hindi #29

This tutorial contains the solution to *Exercise 3 i.e. Improving the Magic Notes Website*. The problem statement along with the instructions is given below:

Problem Statement:-

Before working on this exercise, make sure you have watched the <u>tutorial#22</u>, in which we build a note-taking website using pure JavaScript. In this exercise, you have to edit that website so that each note has a title.

Task:-

The task you have to do is "Improving Magic Notes Website". For this, add a title option in the "Add a Note" section. So that when the user adds the note, each note has a title.

This tutorial is a part of the JavaScript Tutorials for Beginners series. If you have not accessed this series, click on the link below:

https://codewithharry.com/videos/javascript-tutorials-in-hindi-1

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Website.html code as described/written in the video

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"</pre>
        integrity="sha384-gg0yR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRxT2MZw1T" 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">
            class="nav-item active">
                   <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>
               <form class="form-inline my-2 my-lg-0">
                <input class="form-control mr-sm-2" id="searchTxt" type="search" placeholder="Search"</pre>
                    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">
                <div class="form-group">
                    <h5 class="card-title">Add title</h5>
                   <input type="text" class="form-control" id="addTitle" aria-describedby="title"</pre>
                       placeholder="Enter title">
                </div>
```

```
<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"</pre>
          integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
          crossorigin="anonymous"></script>
     <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"</pre>
          integrity="sha384-UO2eT0CpHqdSJ06hJty5KVphtPhzWi9W01clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
          crossorigin="anonymous"></script>
     <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"</pre>
          integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
          crossorigin="anonymous"></script>
     <script src="js/app.js"></script>
 </body>
 </html>
JavaScript code as described/written in the video
 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 addTitle = document.getElementById("addTitle");
   let notes = localStorage.getItem("notes");
```

```
if (notes == null) {
   notesObj = [];
 } else {
   notesObj = JSON.parse(notes);
  let myObj = {
   title: addTitle.value,
    text: addTxt.value
 notesObj.push(myObj);
 localStorage.setItem("notes", JSON.stringify(notesObj));
  addTxt.value = "";
 addTitle.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">${element.title}</h5>
                        ${element.text}
                       <button id="${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);
```

```
})
})
/*
Further Features:
1. Add Title
2. Mark a note as Important
3. Separate notes by user
4. Sync and host to web server
*/
 Previous
```

Next



