



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

[Overview](#) [Q&A](#) [Downloads](#) [Announcements](#)

## 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 [tutorial#22](#), 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>

If you like my work, then keep supporting and stay up to date with [codewithharry](#).

**Website.html code as described/written in the video**

```
<!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">
        <div class="form-group">
          <h5 class="card-title">Add title</h5>
          <input type="text" class="form-control" id="addTitle" aria-describedby="title"
            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"
  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"
  integrity="sha384-U02eT0CpHqD5JQ6hJty5KVphtPhzWj9W01c1HTMga3JDZwrnQq4sF86dIHNDz0W1"
  crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
  integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/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>
          <p class="card-text"> ${element.text}</p>
          <button id="${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);
}
```

```
    })  
  })
```

```
/*
```

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](#)

CodeWithHarry

Copyright © 2022 CodeWithHarry.com

