

Logic of TB Notes App

Here we'll be discussing the logic used to develop the TB Notes App

A Breif Description of the Notes App

- The Notes App has been made using HTML, CSS, Javascript and Bootstrap.
- This web application doesn't uses any backend language still has many features like that of backend.
- This can be a good practice for the people in their early learning stages of Javascript.

CSS Designing

- The designing of the app is mostly using Bootstrap but there are some parts where CSS has been used to design certain things but contribution of CSS is not that much but if you know a bit flexbox you can easily understand CSS Code

Bootstrap Designing

- ⦿ The Bootstrap has done the major work in designing of the app.
- ⦿ Bootstrap is very easy to learn so you can easily learn and understand code of Notes App

Javascript Logic

- The Javascript Logic is a vast concept to discuss but knowing concepts of DOM Manipulation and Local Storage is enough to understand the code of the App

Adding Notes

- ◉ Just create a key named 'notes' having a stringified array having data related to notes in local storage.
- ◉ So while adding a note take title and content as input in Bootstrap Modal.
- ◉ Create new element which is an array in array local storage where three consecutive elements will be note title, note content and 'unstarred'.

Showing Notes

- Create a variable 'str' in function showNotes() where a forEach Loop will add a Bootstrap card for every element of local Storage Array inside the 'str' having corresponding title and content as heading and paragraph respectively and the str will then be set as innerHTML of the div in which you want to show your notes.

Deleting All Notes

- Add an event listener of which callback function will clear localStorage.

Deleting A Particular Note

- As you add the Note in Card using `showNotes()` function in the Delete and Edit Note Buttons add id as 'delete-note-index' and 'edit-note-index' where index will be the index of each element of array and target delete note buttons and taking their ID take last index in that array remove element having that index.

Editing Notes

- Target each Edit Note Button create a separate Modal for Each Button then take id of Each Button and take Index of It then in that modal keep title as title of element of localStorage array having that index and content as content of that element.
- Then By Clicking Save Button Title and Content of Old Element must be over written with new title and content keeping index the same.

Starring Notes

- As someone clicks star Icon then 'unstarred' element must be over written with 'starred' in element of localStorage array using concept used for delete and edit Buttons.
- Show starred Notes seperately above normal notes and add some different styles in starred notes than normal notes to show them up fast.

Searching Notes

- Use 'Input' Event in Search Box so that as some Input happens the notes having title and content similar to search value show up

Conclusion

- ◎ This is a kind of Project that will teach you how to use `localStorage` and is good Javascript Practice.
- ◎ If you understand how to use data here then it becomes very easy to learn any backend Language.

