Notes App

Video Link:

HTML, CSS, and JavaScript are considered as a base for web development. They are prerequisites for all web technologies, frameworks, and other languages. JavaScript is the most popular programming language and has applications everywhere. The web has evolved drastically and rapidly since the last decade and it's the platform where the most innovations have been taking place in software development. So let's get started into web development by making an easy yet useful and fun application.

What you will learn

- The basics of HTML and CSS
- Making layouts with CSS
- Basics of JavaScript and DOM
- Using Local Storage provided by browsers
- Notes App in JavaScript

Moreover, you'll get a head start on web development and get a glimpse of how modern web applications work. After this project, you will have a strong base to explore more advanced web development technologies like React and you're encouraged to keep exploring. You can also learn Node and other back-end technologies.

Resources to get started

We'll create a WhatsApp group where we'll provide more resources and answer your doubts. But here are some resources for you to get started

https://www.youtube.com/watch?v=E3ByCRqE7Lo

https://www.youtube.com/watch?v=u5-K_ua9sOw

https://www.youtube.com/watch?v=hKB-YGF14SY

https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web

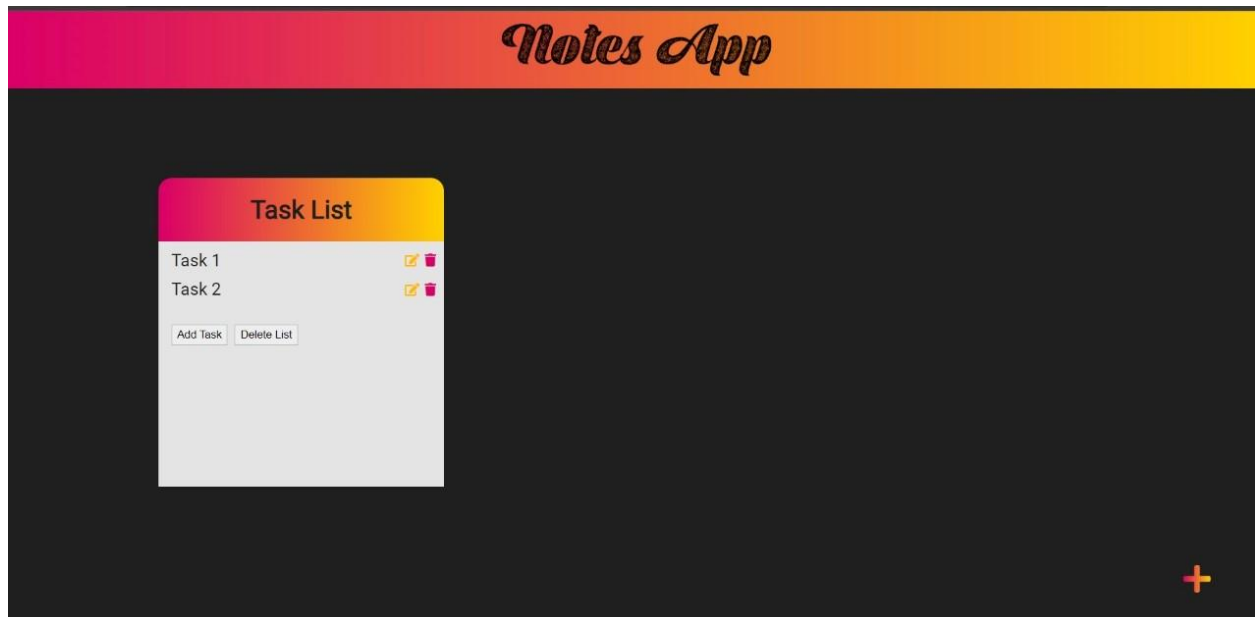https://w3schools.com

https://javascript.info

Feature Checkpoints

Checkpoint 1:

Create the basic list with HTML with the name of the list at top and corresponding notes below it. It is shown in the example given in the screenshot below. Give it some basic style like colors and custom fonts (with Google Fonts) with CSS.

Checkpoint 2:

In the example above, you have the basic list ready with the style. Now you have to insert the add list and delete list functionalities with JavaScript. On clicking the '+' icon at the bottom right corner, you should be able to add the list. Also on clicking the delete list button, you should be able to delete the list.

Approach:
1) Select the required element from JavaScript via document.getElementById() or document.querySelector() interfaces
2) User should be prompted to enter the title of list
3) Create the new element for the list with add and delete buttons for the new list.
4) Append the list to the DOM.

Checkpoint 3:

Till now you had added functionalities for creating and deleting a list.Now similar you have to do, creating and deleting a task.

Approach:
1) For creating a task, prompt the user and add it to the respective list.
2) Create new elements and corresponding buttons and add it to the DOM.
3) For deleting a task, locate the element and remove it from DOM

Checkpoint 4:

The next checkpoint is to add the edit task and strike through functionality. On clicking the edit button in the task row, you should be able to edit the task. On clicking on the task itself, the task should strike through.

Advanced Checkpoint:

Till now whatever functionalities you have remains till you refresh your page. But this being a notes app, the data should remain even when you open it after a long time. So we will be using LocalStorage to store the data. You have to add this feature to all the functionalities implemented above.

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