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Reflection - Task Manager Project

This project provided me with the opportunity to grow my vanilla JavaScript skills by creating a complete working Task Manager application. To build the application, I started with HTML to get the correct layout and accessibility. I then added CSS to style and make it respond to multiple screens. Most of the app's logic came from plain JavaScript, where I created a task array that stores user input and implemented event listeners to manage form submission, deletion, and updating tasks.

One of the biggest technical challenges was to manage the task elements as they were updated to the DOM while ensuring the correct task id values were maintained after deletes. I gave each task a unique, incrementing id and was able to ensure the integrity of the array using .splice() and findIndex().

Styling tasks for importance and completion status were a conditional logic issue in a DOM update function too. I used classList.add() for different visual styles, and used the .checked property to represent it in real time.

Lastly, after every interaction (add, update, delete), I logged to the console ( console.log(JSON.stringify(tasks)), which satisfied requirements that kept task state change in one tidy manner.

Overall, this project was a great experience for me to reinforce best coding practices, clean UI design, and DOM manipulation.