

Task Manager Web App Insights and Improvements

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Insights

(i) How i think about the design of this task manager web app??

Answer: In the task requirements, there wasn't any mention of using images, only JSON data i have to be used. Thus, I opted for a table layout over task cards. This choice allows users to view more tasks at once within a limited space.

(ii) Why did I use Redux Toolkit for such a small project?

Answer: because i think every company give assignments to the applicants for only to see their knowledge and ability to writing scalable code, so i give my best to write scalable code from my side and give my 100% to this project, and because redux a tool known for enabling scalable code structures.

Security and Improvements

(iii) if i have to make this design user friendly then how will i make?

Answer: To improve the task manager design, I plan to make table-column fields editable when a user clicks the edit button. This way, users can see and modify changes directly within the table view and the same thing i can done for create task like i will add a row on the top, where user can see that new row creation, so it is more user friendly and user don't need any other page this way.

(iv) What other improvements do I think can be made in this project?

Answer: According to me, first thing which we can done in this application for improving the performance is to caching the pagination. like if user can already visit a page then if he again come then user don't have to wait for the data. Secondly, introducing a user management system using established libraries like JWT and bcrypt for authentication would ensure tasks are personalized for different users.

Challenges

(v) In making the ant design table responsive for the mobile screen which feature is not initially supported by the ant design?

Answer: After completing the task, i see that although ant design table is responsive but on the mobile screen it becomes horizontally scrollable which not gives a good user experience, so i start thinking about that how can we make it responsive i read the documentation again that if there is any solution is there in antd research online on like stackoverflow and other blogs, found not exact thing which i want, then i choose to do it by myself, so what i done is i use media query for that and i remove the header first for the mobile screen(xs) and after that i align the column in a vertical way so that i can convert each row in a separate vertical card so that it can look appropriate in small screen

(vi) How did I set up Redux in my project to avoid repetitive function writing for showing notifications?

Answer: I developed a universal function named 'createApiThunk.' This function now automates handling success and error messages, eliminating the need for repetitive code blocks. By passing parameters to this function, it automatically manages API calls, success, and error notifications.