

Screening Test Task MERN Stack

The task is to make a bookshelf maintenance app. It will allow you to make an account and then create books and then maintain them between 3 shelves. Those 3 shelves are supposed to be:

- Plan to Read (Books that you plan to read in future)
- Reading (Books that you are currently reading)
- Completed (Books that you have completed reading)

Required attributes of the system:

- Use some self made logic for User Authentication
- Use React Hooks Forms for form submission and validation. Link: <https://react-hook-form.com/>
- Implement Signup, Signin and Signout.
- You should have an option to delete your account. Deleting your account is going to delete all the books associated with the account too.

Required attributes of Books:

- You should be able to make CRUD of books where you will be able to store at least following attributes:
 - Title
 - Author Name
 - Publication House
 - Publication Date
 - Genre
 - Publication Year
- Make Predefined CRUD of Genre and seed some values via a seeder and use its reference in Books collection
- Use the added books in maintaining the shelf.

Required attributes of Shelves:

- The shelf can be a list of books.
- There should be a search bar to search between books
- There should be option to sort books in list
- You should be able to change the status of the book. Like switch from Reading shelf to Completed

Required technologies to be used:

- Server-side using JavaScript (Node.js), Express JS, TypeScript (optional)
- Database MongoDB (preferable), [DynamoDB](#), or any NoSQL of your choice
- Frontend framework integration (Next.js, React Hooks)
- State Management (Redux/Context API)
- Use Vercel for deploying your final app
- Don't focus much on styling. It should be functional

Any questions in regards to this task should be submitted Muhammad Musa (musaghauri@bitbytes.io). Good Luck!

BitBytes

2021