

Screening tasks

Take-Home Assignment: Personal Library Manager

Overview

Develop a Personal Library Manager application using React.js, TypeScript, SWR, axios, formik, and MUI 5. This app will allow users to manage a collection of books, including adding new books, viewing a list, and updating book details. A mock node.js server is attached.

Requirements

Book Management Features:

Implement features to add, view, update, and delete books.

Each book should have attributes like title, author, genre, and a brief description.

Form Handling:

Use formik (useFormik hook) for handling form submissions for adding and updating books.

Data Fetching and Caching:

Use SWR for data fetching, caching, and state management.

Implement axios for making API requests to the provided mock server.

UI Components with MUI 5:

Build the user interface using Material UI (MUI 5) components. Ensure the UI is clean and user-friendly.

Include components like tables or lists for displaying books, text fields for forms, buttons, grid or stack for layout.

TypeScript Integration:

Apply TypeScript throughout the application for type-checking and improving code quality.

Responsive Design:

Ensure the app is responsive and works well on different screen sizes.

Documentation:

Provide a README file with instructions on setting up and running the application.

Deliverables

Source code on a GitHub repository.

Instructions for setting up and running the application.

<https://drive.google.com/file/d/18jd50m-GEfrsg3NCzjNhB7XWOij1GRG/view?usp=sharing>