

Craft demo problem

Design & build a generic front-end module for optimizing the number of network calls made by React components while ensuring the coherent consistent state of data on the front-end.

Details

You have 5 back-end resources/REST APIs which support CRUD (Create, Read, Update and Delete) operations.

- Accounts
- Transactions
- Budgets
- Trends
- Tags

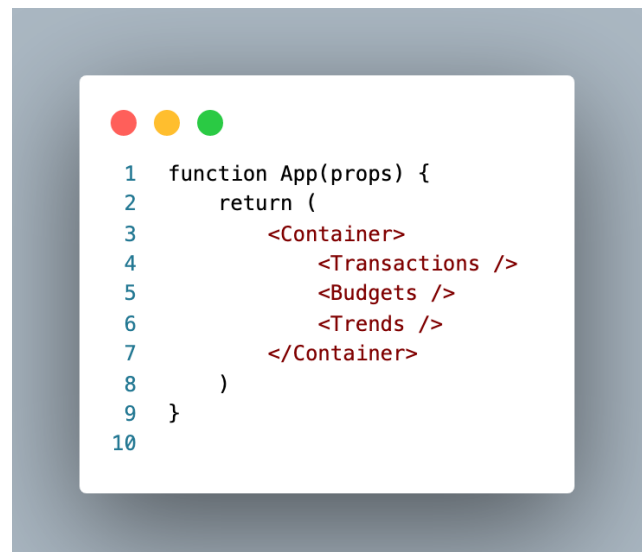
These resources are dependent on each other. You can assume any dependency during the app start up.

For eg.

- Accounts --> Transactions (Means Accounts is dependent on Transactions)
- Trends --> Transactions, Budgets (Means Trends are dependent on Transactions and Budgets)

Design & build the UI strategy to ensure multiple components rendered on the page to make optimum number of calls to backend and also show consistent data to the user.

Shared one of the sample pages, where each component supports CRUD operation of the respective entity.



Expectations

1. Design diagram along with working code that demonstrates the solution.

Assumptions

1. Have a mock support on the front-end for the backend CRUD APIs.