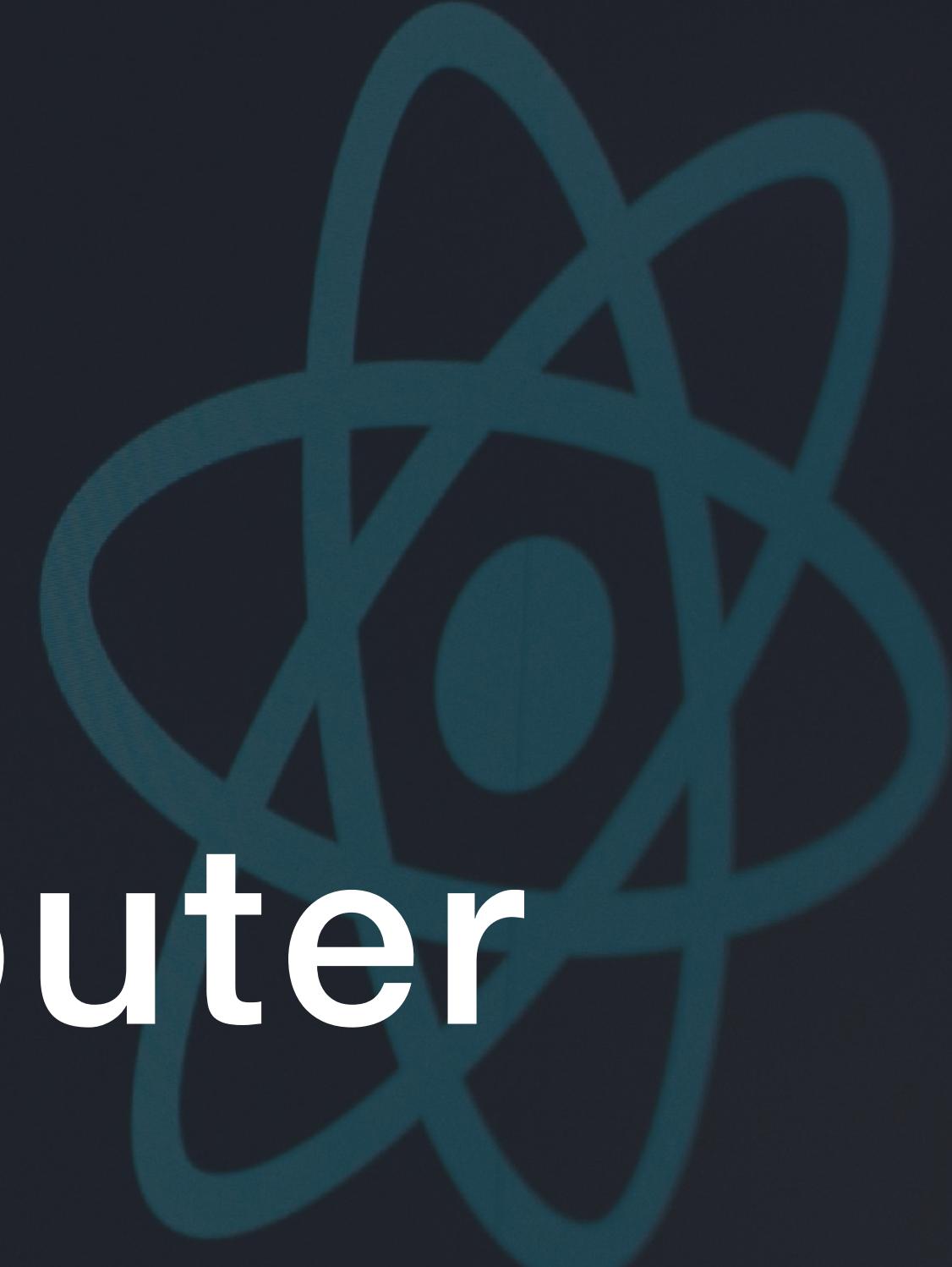


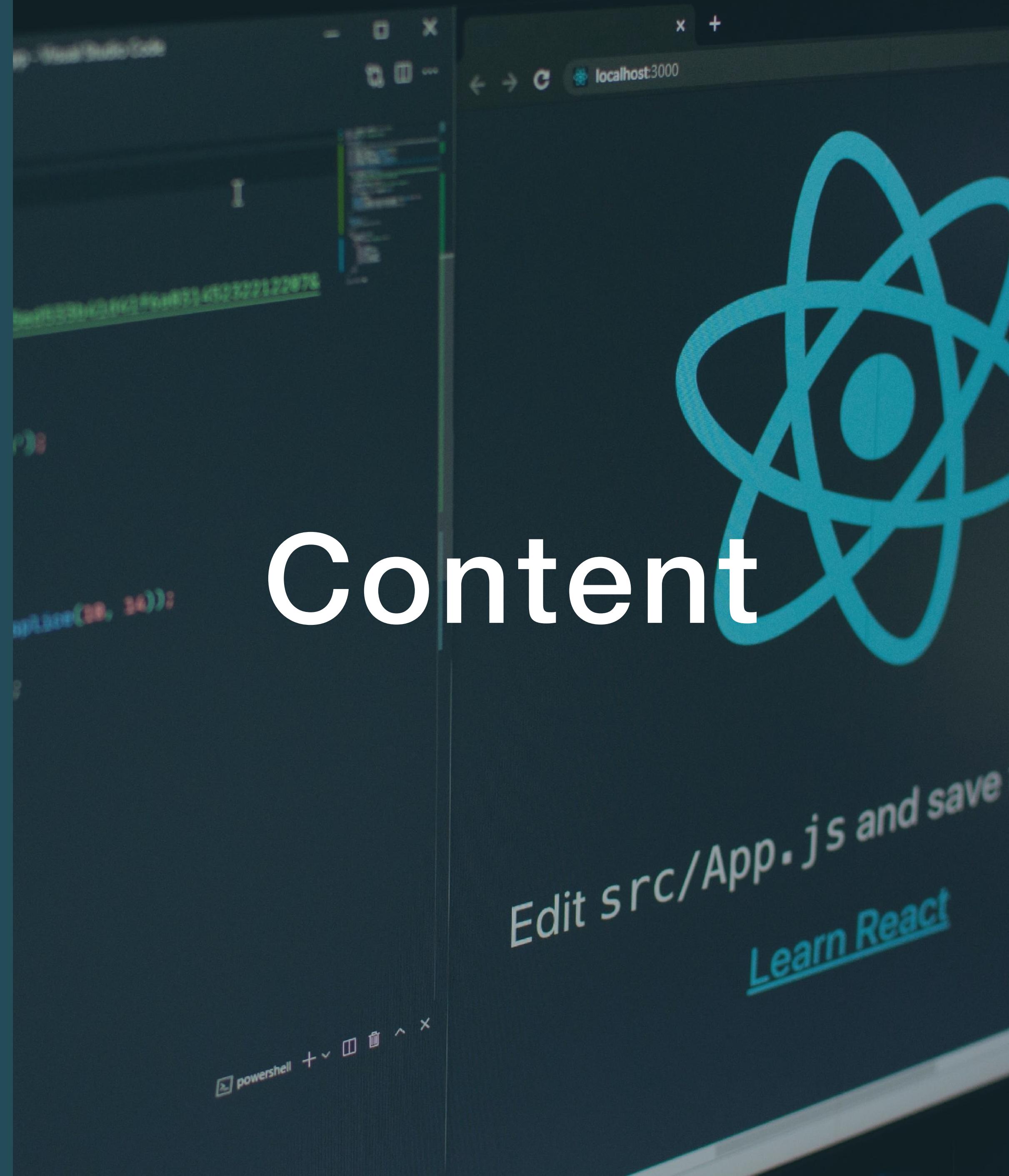
Navigation & Expo Router

React Native

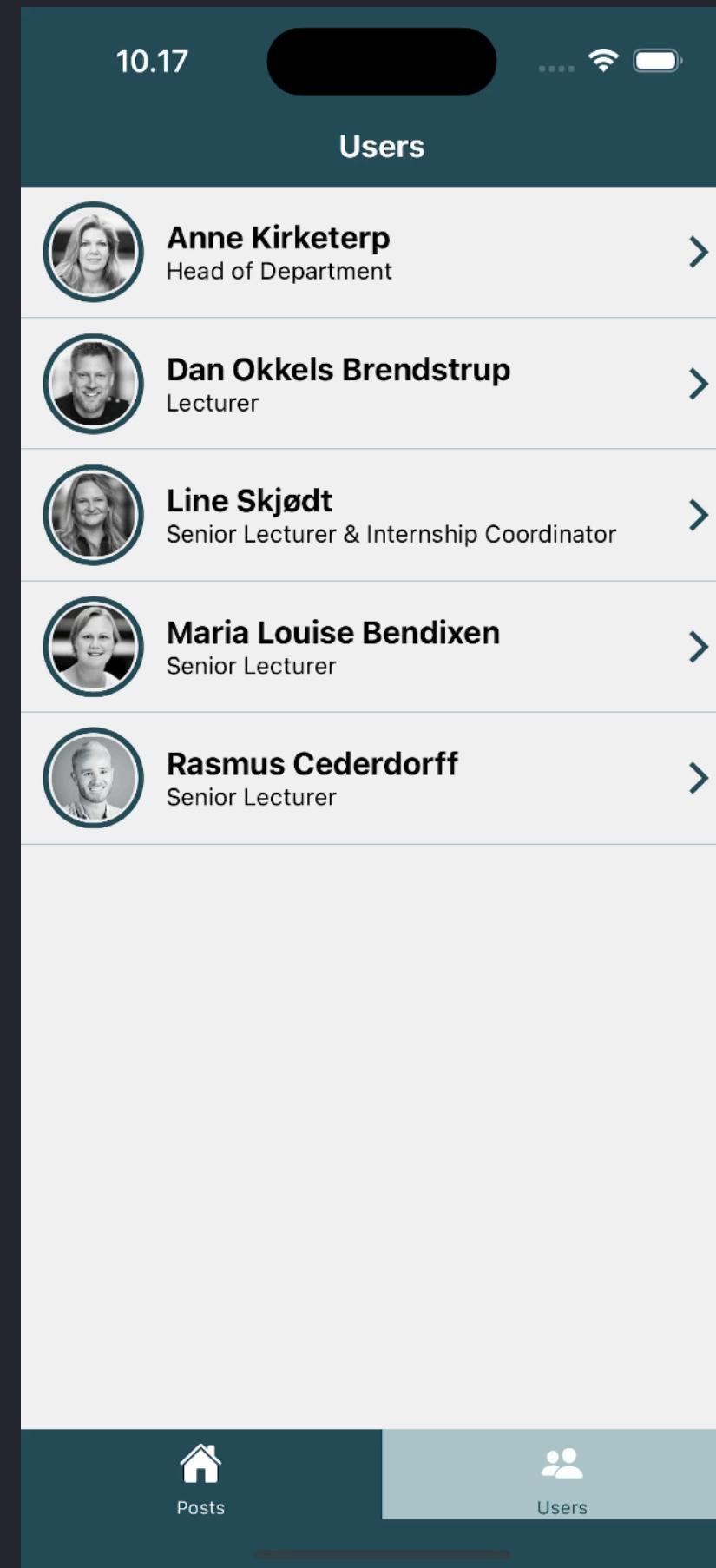
Edit src/App.js and save to reload
Learn React



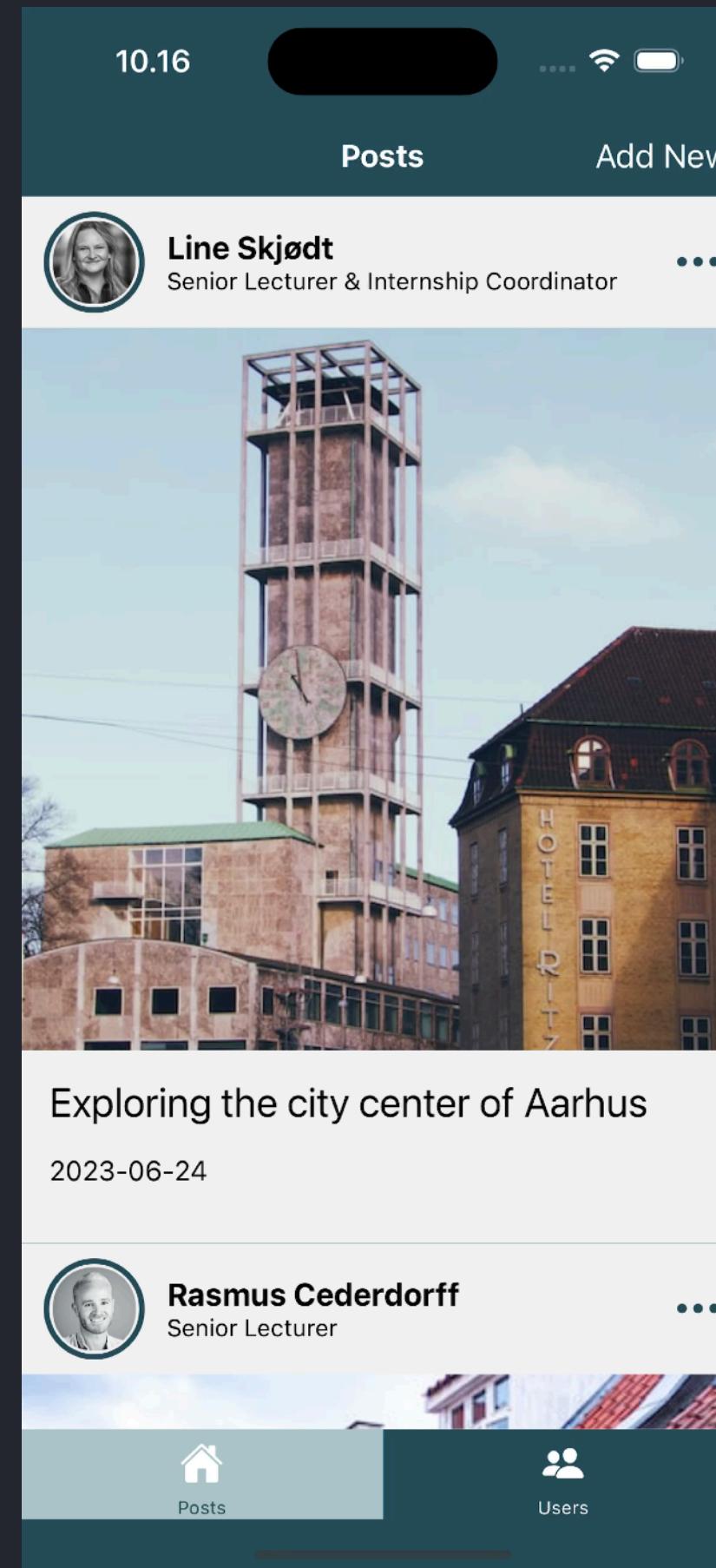
- Mobile Navigation
- Routing
- File Based Routing
- Expo Router Features



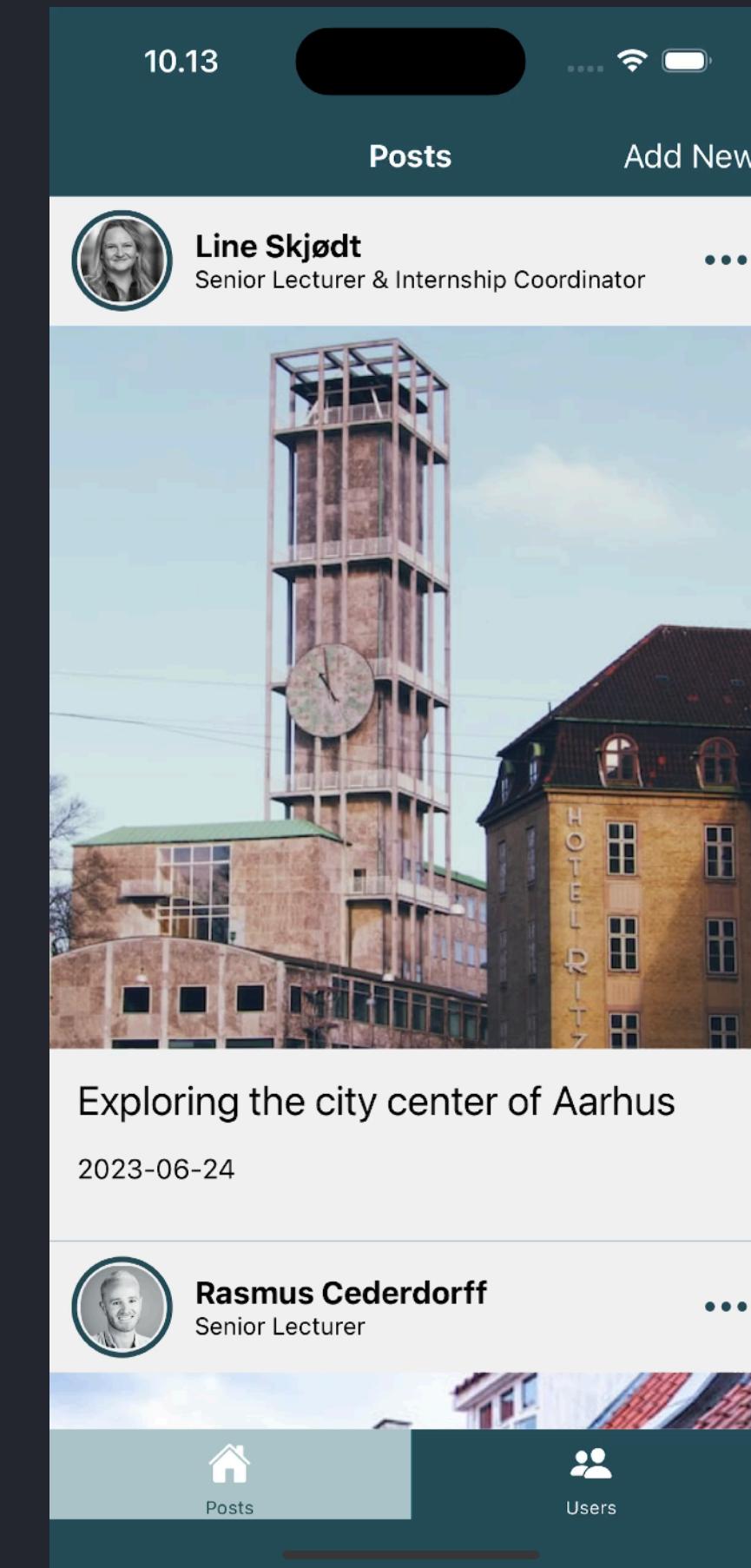
Mobile Navigation



Stack



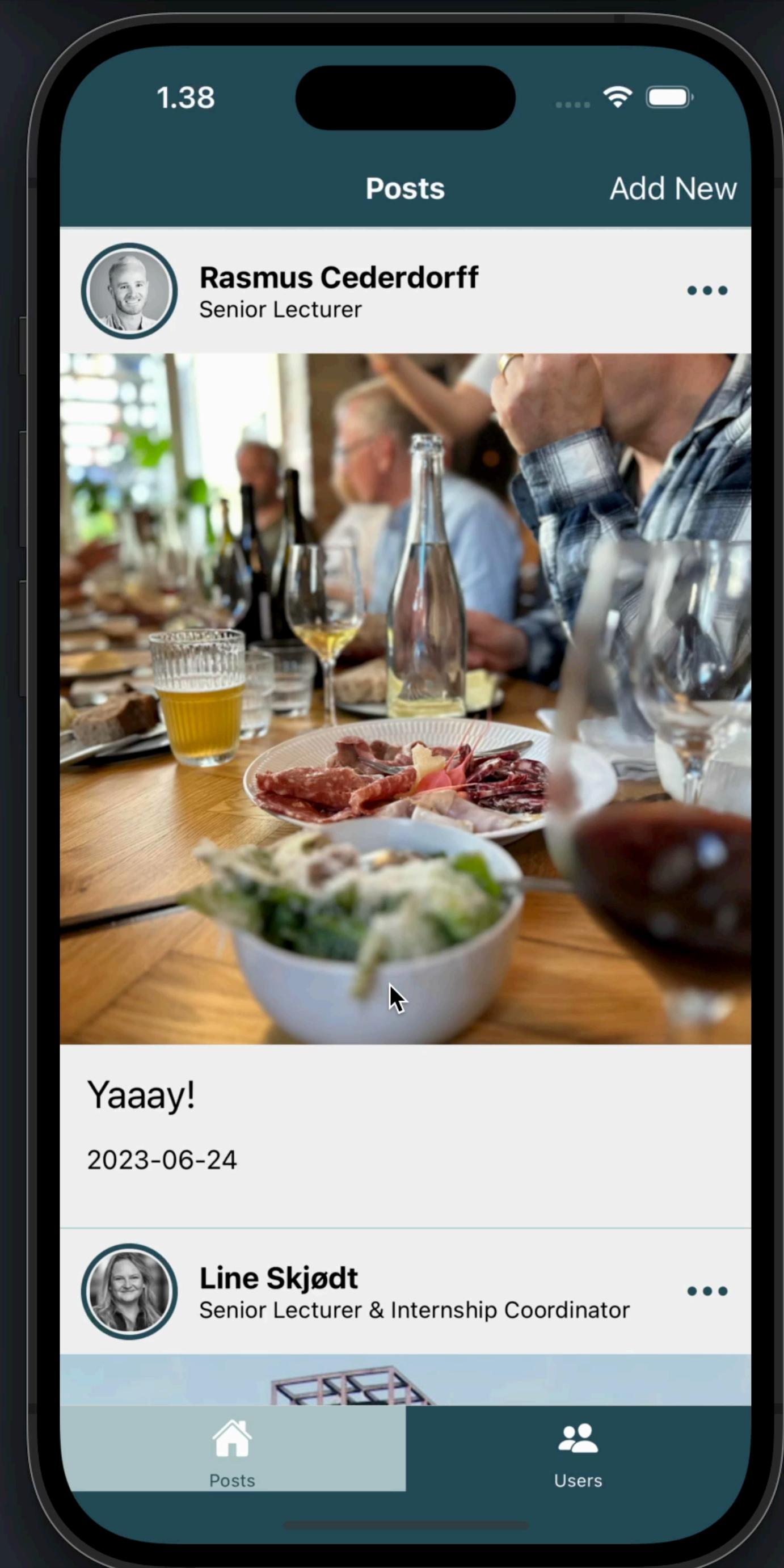
Modal



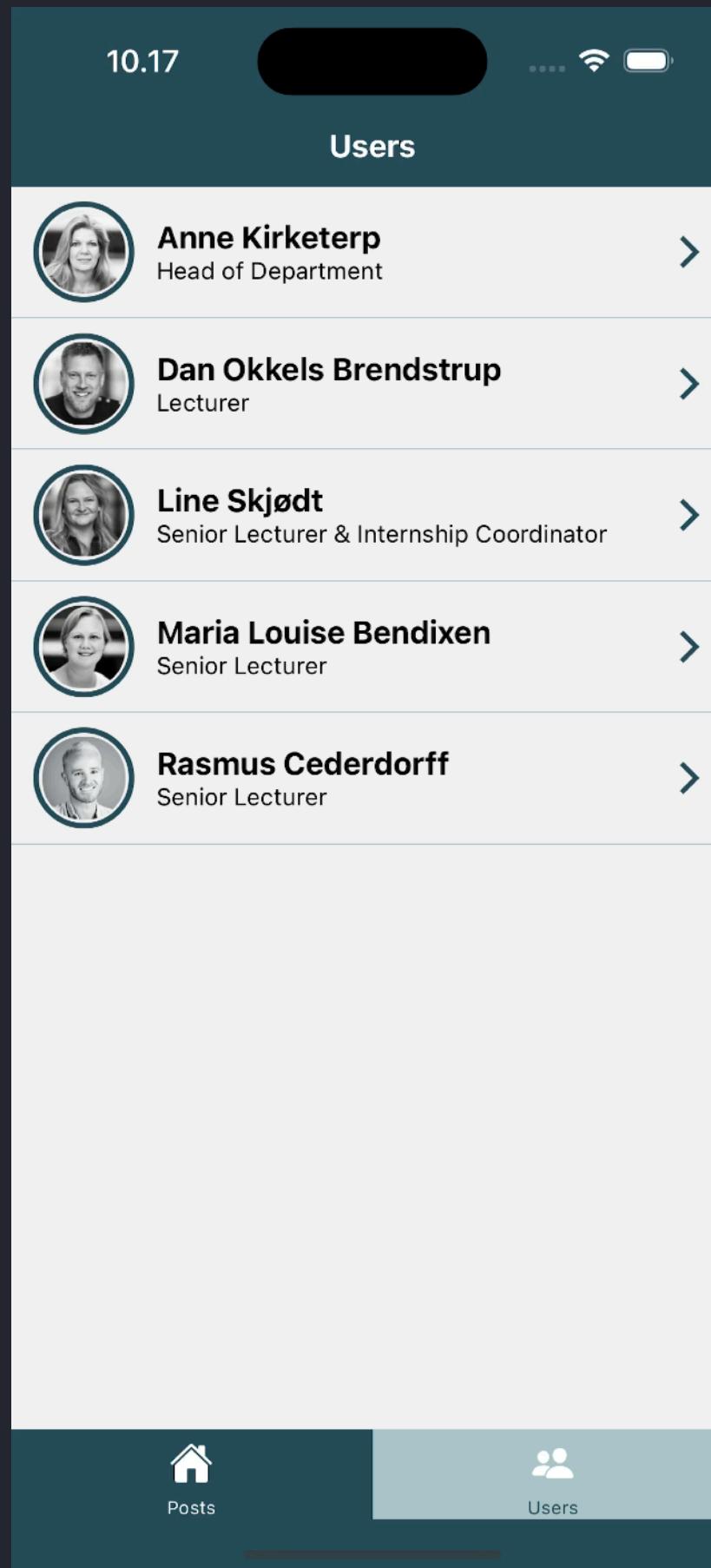
Tab

Post App Demo

<https://github.com/cederdorff/expo-post-app>



Stack



- Mobile UI pattern for managing multiple screens.
- Screens are stacked with the topmost screen active.
- Back button enables easy navigation between screens.
- Benefits include clear navigation history, seamless backward navigation, and space efficiency.
- Similar to web browsing history.

Modal



- A modal displays content that temporarily blocks interactions with the main view.
- It functions similar to a popup and often it's not a part of your primary navigation.
- It has a different transition and a different way to dismiss it.
- The intention is to bring to focus one particular piece of content or interaction.

Tab



- User interface element that allows users to switch between different sections or views within an application.
- Clear organisation and visual indication of active tab.
- Enables user control and consistent placement across screens.
- Benefits include efficient content access, clear information hierarchy, and space optimization.

A close-up photograph of a person's hands interacting with a black Wi-Fi router. One hand is holding a blue Ethernet cable and is in the process of plugging it into one of the four gold-colored ports on the front panel of the router. The router has three external black antennas. The background is blurred.

What's a Router?

What's a Router?

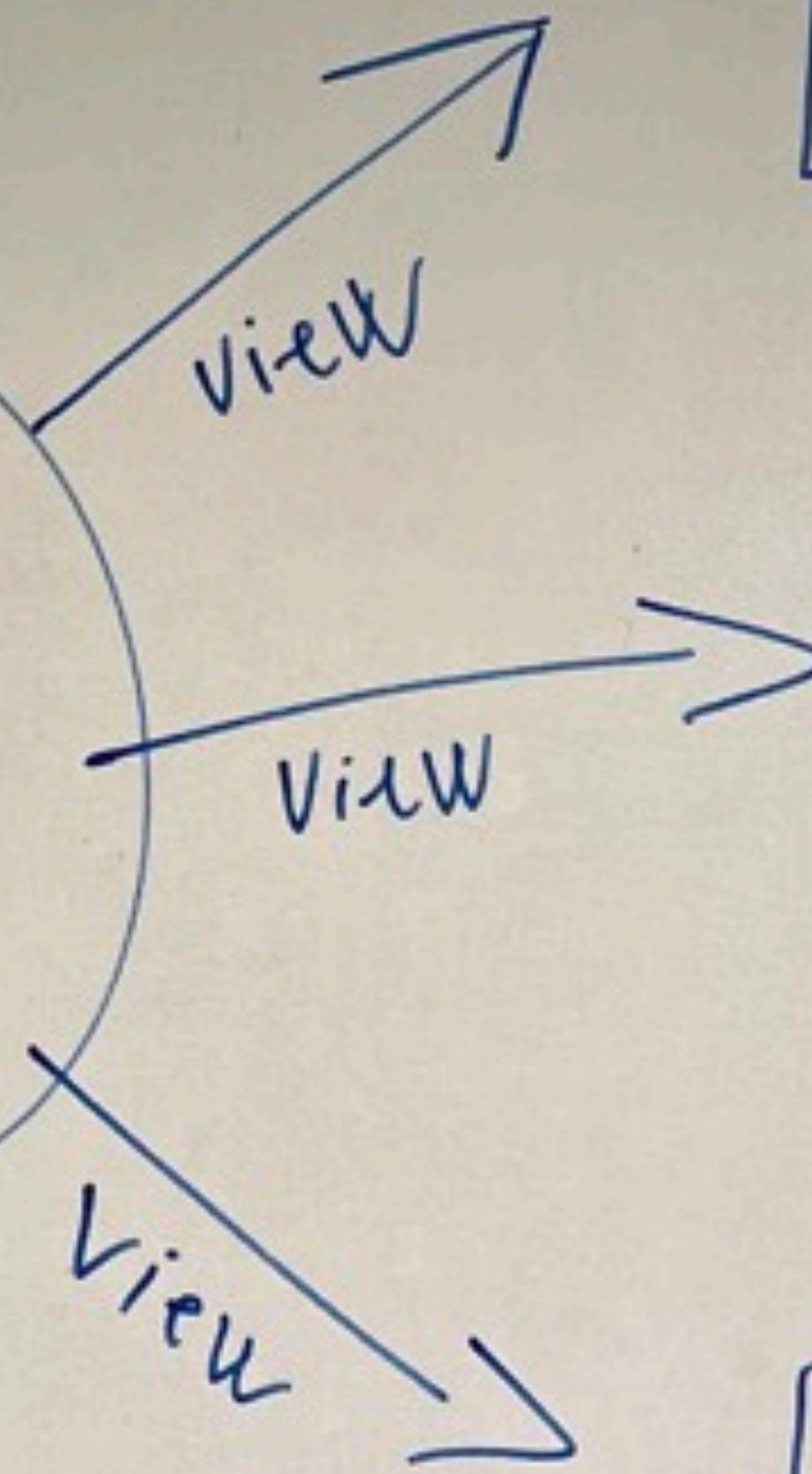
“It is the piece of software in charge to organize the states of the application, switching between different views.”

It's a key component in Single Page Applications.



/ create
route

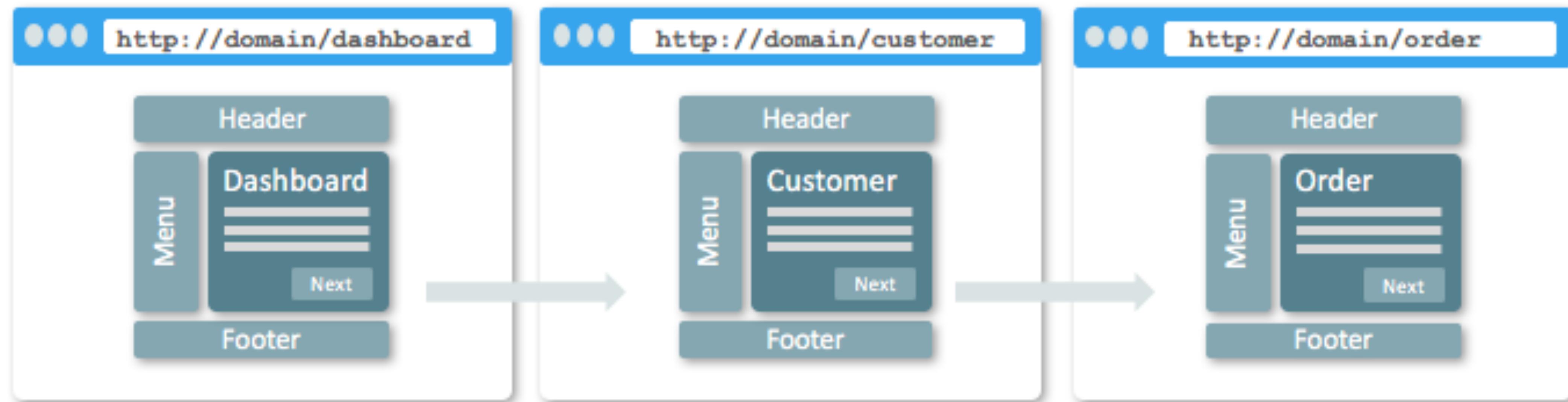
Router
(router.js)



users
page

create
page

update
page



<https://dzone.com/articles/single-page-applications-in-oracle-jet>

File Based Routing

- The routing is based on the file system, the name of your folders and files in your project.
- It's based on pages
- When using Expo Router a file automatically turns in to a route, when the file is added to the app directory.

Expo Router

- Expo Router uses a file-based routing convention to define pages in the app.
- This convention helps optimise the app by automatically generating native deep links and web routes.
- It involves organising routes inside folders to create shared UI elements like tab bars and headers.
- React developers will find this format familiar and easy to work with.
- File-based routing allows for URLs to be created for every page in the app.
- All routes must be created within the `app/` directory, and you define them by creating files with the route names.

✓ EXPO-POST-APP
> .expo
✓ app
✓ (modals)
JS post-modal.js
✓ (tabs)
✓ users
JS _layout.js
JS [id].js
JS index.js
JS _layout.js
JS posts.js
✓ components
JS Avatar.js
JS Post.js
JS User.js
JS _layout.js
JS index.js
> assets
> node_modules
◆ .gitignore
{ } app.json
B babel.config.js

Expo Router

- app/home.js **matches** /home.
- app/users/index.js **matches** /users.
- app/users/[id].js **matches** /users/user-02.
- app/[user].js **matches** any unmatched path like /dob, /race or /expo.
- More about [Expo Router \(Notion\)](#)



Code Every Day

Edit src/App.js and save to reload
[Learn React](#)

