



Code handover

05.05.2021



Technology

React Native

Native development with React , written in JavaScript

Expo

Framework for develop, build, deploy, and quickly iterate on iOS, Android, and web apps

React Native Paper

Customizable and production-ready components for React Native, following Google's Material Design guidelines.

Project structure

Assets

Infiniwell logo, splash screen

Components

Reusable components such as buttons, rows and overlays

Context

The app's theme and global states

Navigators

Files for the navigation components

Services

Files for service classes for connecting to backend

Test

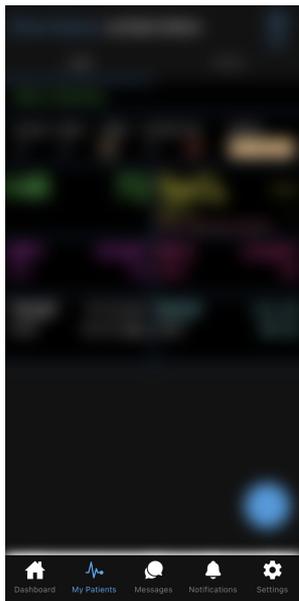
Folder for different frontend tests

Views

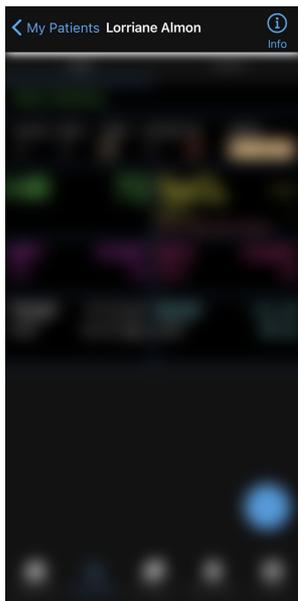
The files for the different views in the app

Navigation

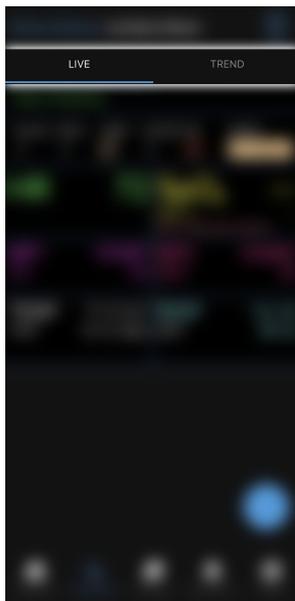
React Navigation - Routing and navigation for your React Native apps



BottomTabNavigator



StackNavigator



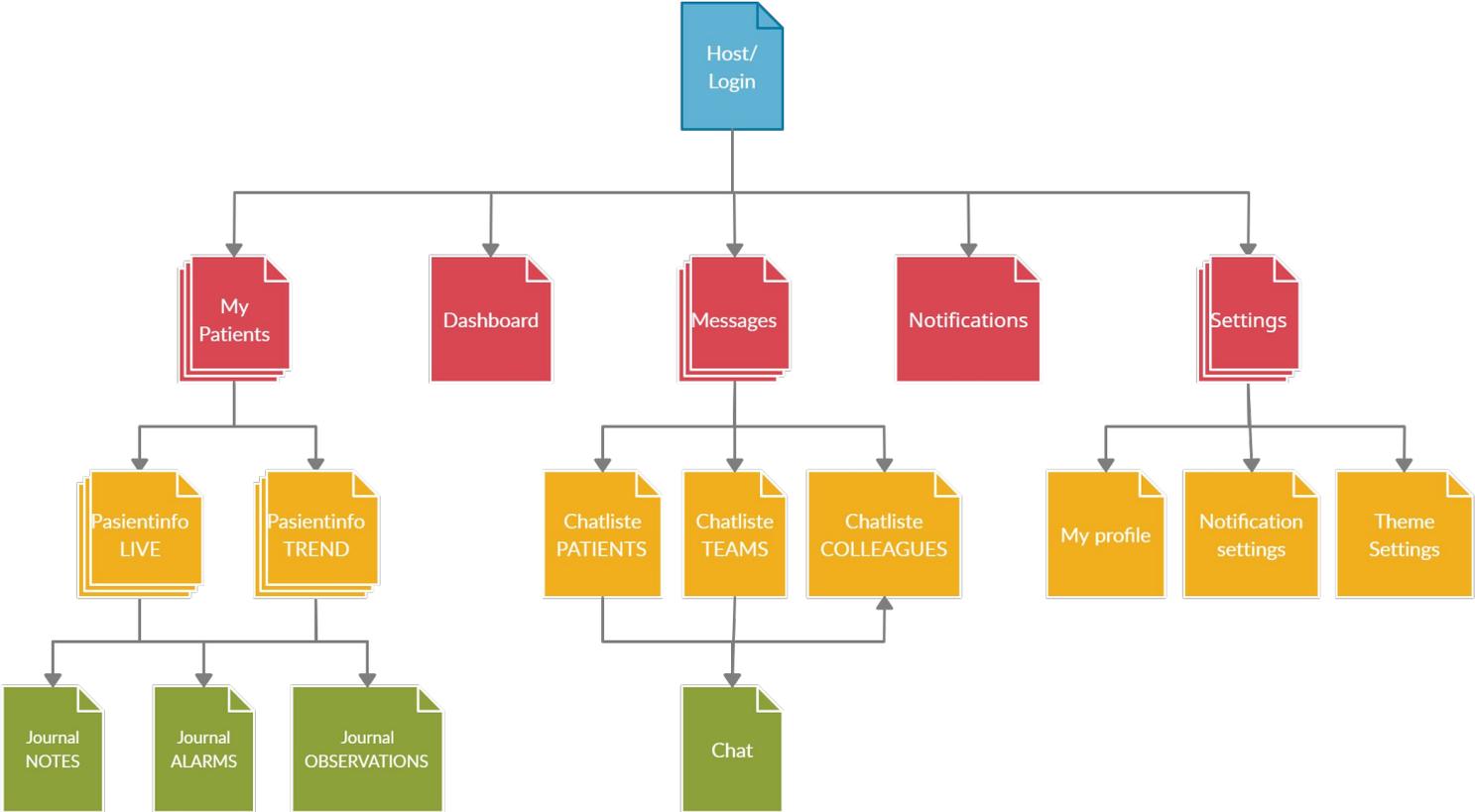
TabNavigator

Navigator - Container for different views that are to be navigated between

Types: Top tap, bottom tab, stack, drawer

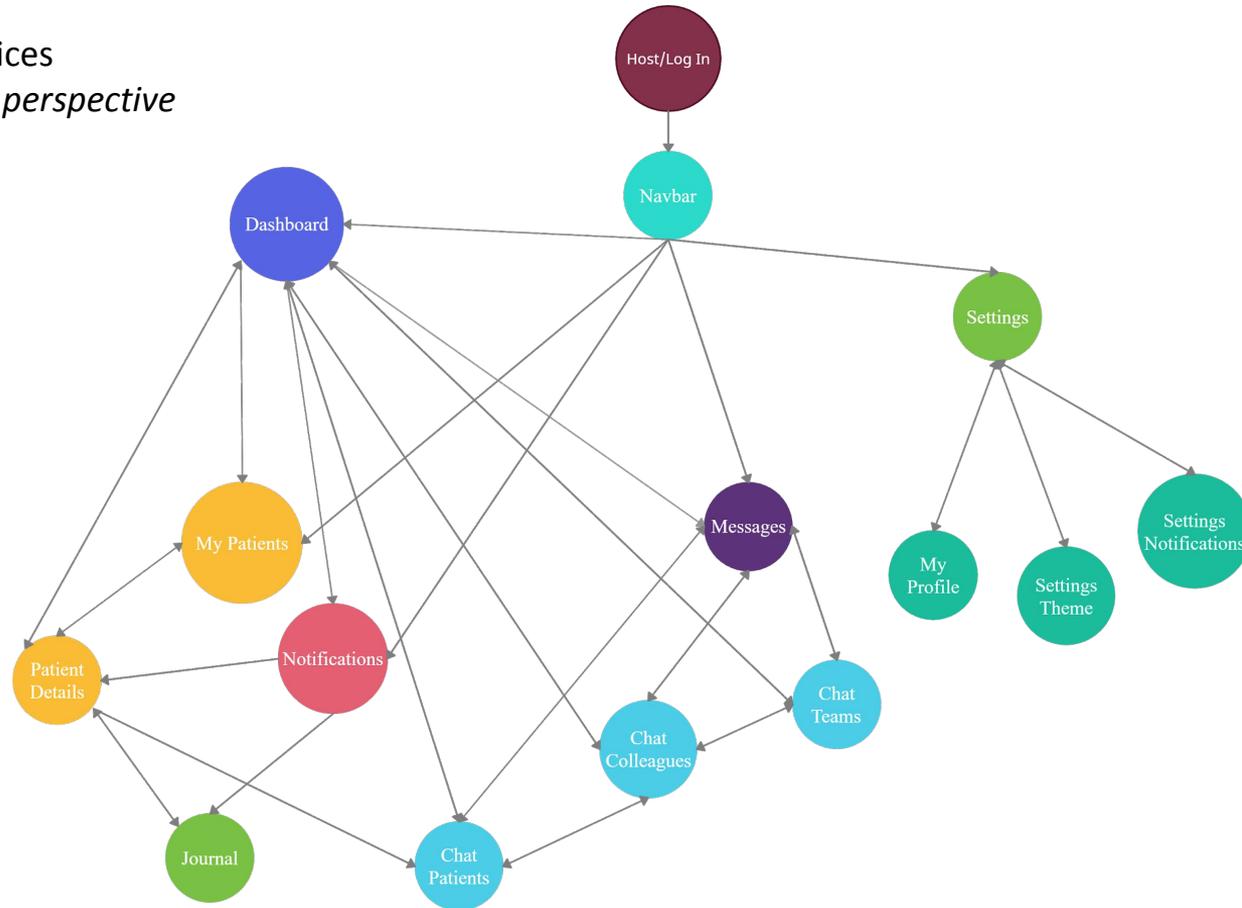
Screen - The actual screens

Navigation hierarchy



Navigation choices

From the users perspective



File structure

App.js JS

Index.js JS

Login.js

BottomTabNavigator.js JS

DashboardStackScreen

PatientStackScreen

MessageStackScreen

NotificationStackScreen

SettingsStackScreen

```
export default function App() {  
  if (!global.btoa) {  
    global.btoa = encode;  
  }  
  
  if (!global.atob) {  
    global.atob = decode;  
  }  
  
  return (  
    <ContextProvider>  
      <Index />  
    </ContextProvider>  
  );  
}
```

Index.js

```
return (  
  <Provider theme={temp === "dark" ? themes.MyDarkTheme : themes.MyLightTheme}>  
    <ThemeProvider theme={temp === "dark" ? themes.MyDarkTheme : themes.MyLightTheme}>  
      <StatusBar  
        barStyle={temp === "dark" ? "light-content" : "dark-content"}  
        hidden={false}  
        backgroundColor={temp === "dark" ? themes.MyDarkTheme.colors.background : themes.MyLightTheme.colors.background}  
      />  
  
      <NavigationContainer theme={temp === "dark" ? themes.MyDarkTheme : themes.MyLightTheme}>  
        <NotificationListener />  
        <Stack.Navigator  
          initialRouteName="Login"  
          screenOptions={{  
            headerShown: false,  
          }}  
        >  
          <Stack.Screen name="Login" component={Login} options={{ gestureEnabled: false }} />  
          <Stack.Screen name="BottomTabNavigator" component={BottomTabNavigator} options={{ gestureEnabled: false }} />  
        </Stack.Navigator>  
      </NavigationContainer>  
    </ThemeProvider>  
  </Provider>  
)  
);
```

