

# 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**

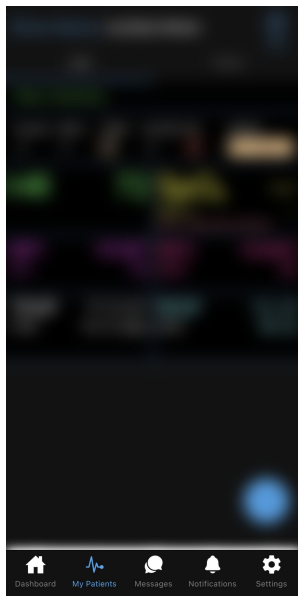
Folder for different frontend tests

## **Views**

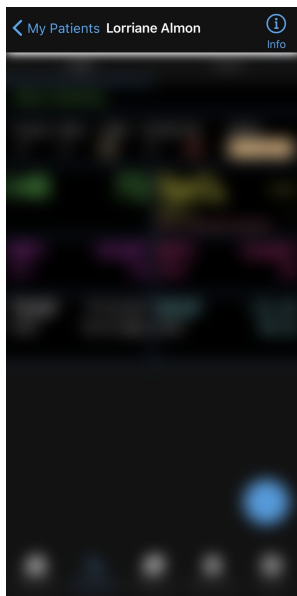
The files for the different views in the app

# Navigation

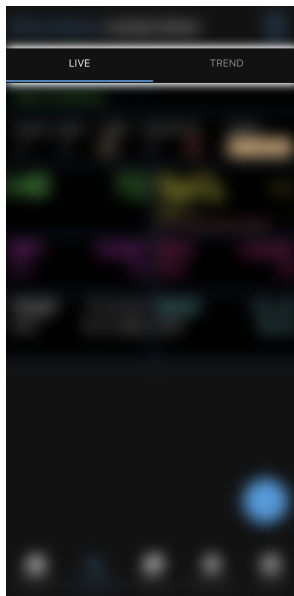
**React Navigation** - Routing and navigation for your React Native apps



BottomTabNavigator



StackNavigator



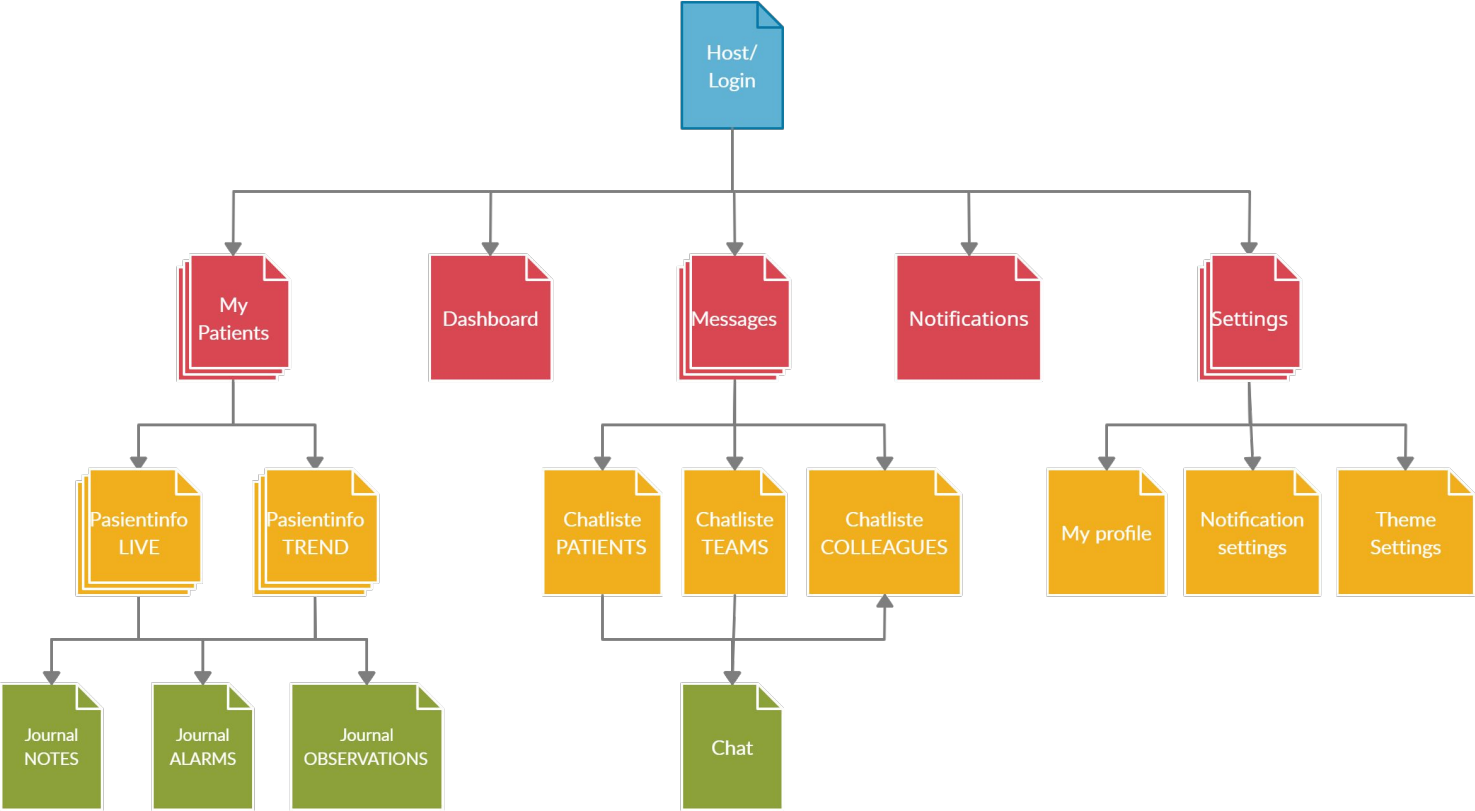
TabNavigator

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

Types: Top tap, bottom tab, stack, drawer

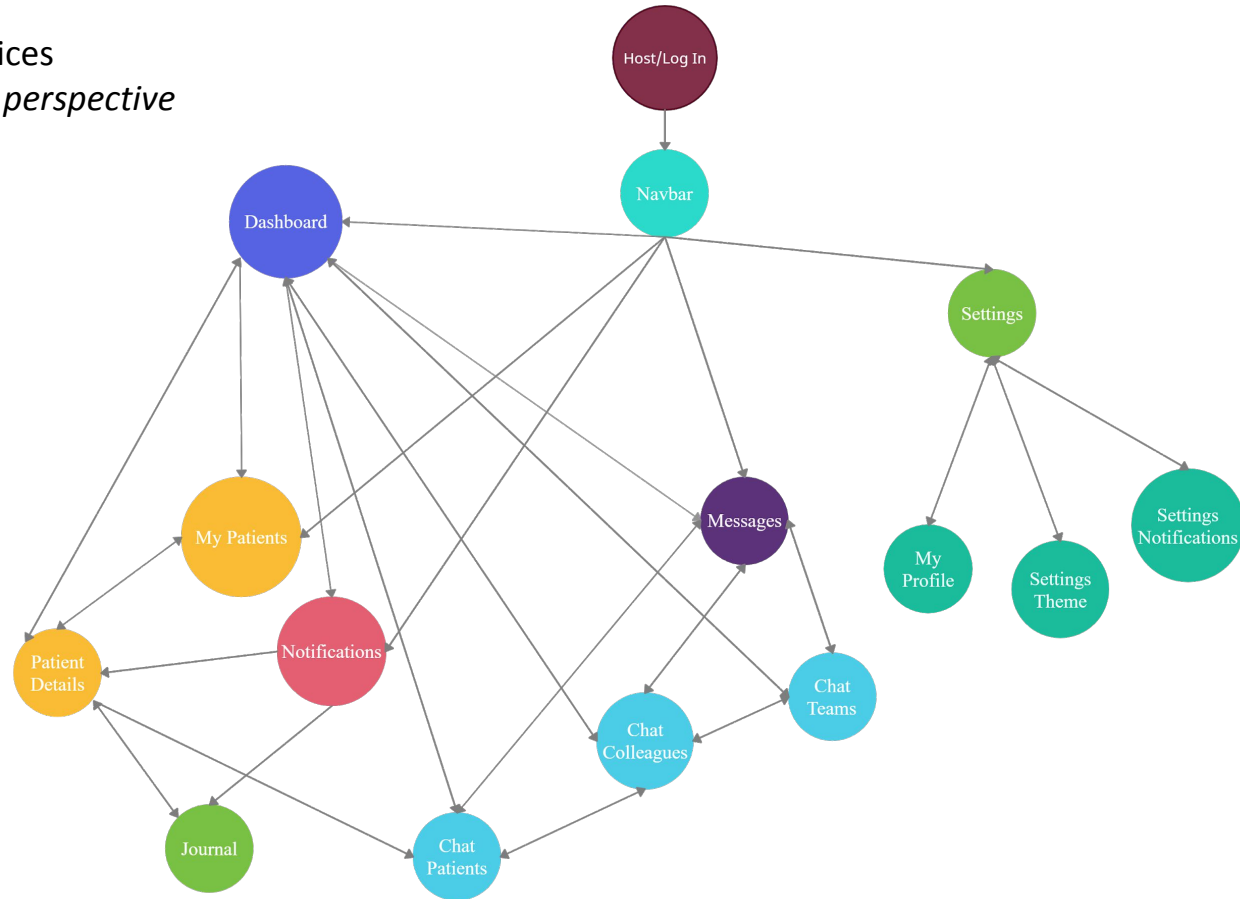
**Screen** - The actual screens

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>  
);
```



