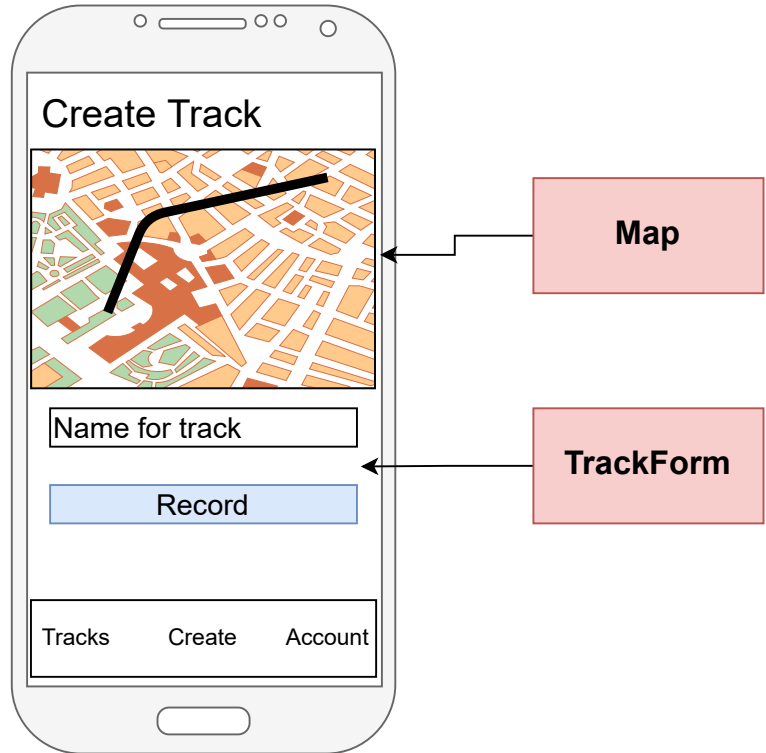


TrackCreateScreen



expo-location

- Location services provided by the 'expo-location' library. We need to install this!
- Before tracking the users location, we need to ask for permission
- Two forms of location tracking - foreground and background
- We need to be extremely aware of when we're tracking location - it consumes battery power!

Foreground Location Tracking

Gives us users location whenever our app is visible on the screen

Easy to set up + use

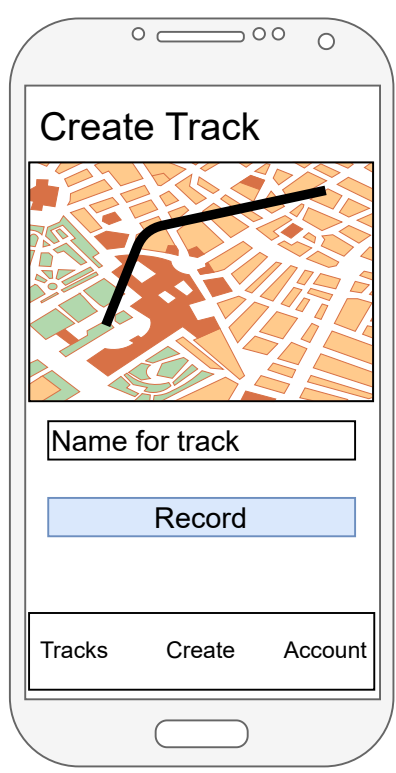
Background Location Tracking

Gives us the users location at all times, even if the app is not visible or device is locked

Uses considerably more battery power

Much more complicated to set up

TrackCreateScreen

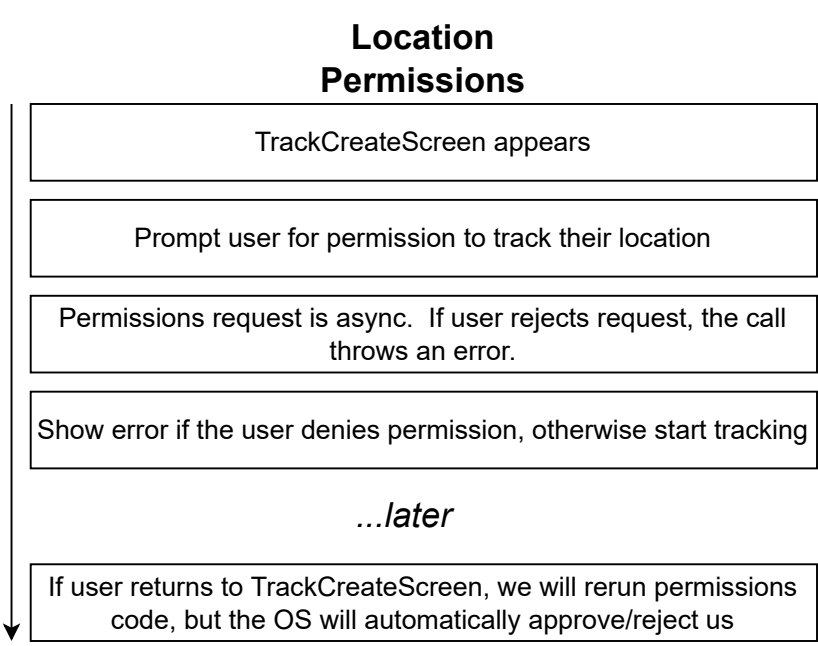


When a user comes to this screen, we need to start tracking their location *right away*, even if *they are not* actively recording a track

When a user navigates away, we need to stop tracking their location *unless they **are** recording a track*

npx expo-cli install expo-location

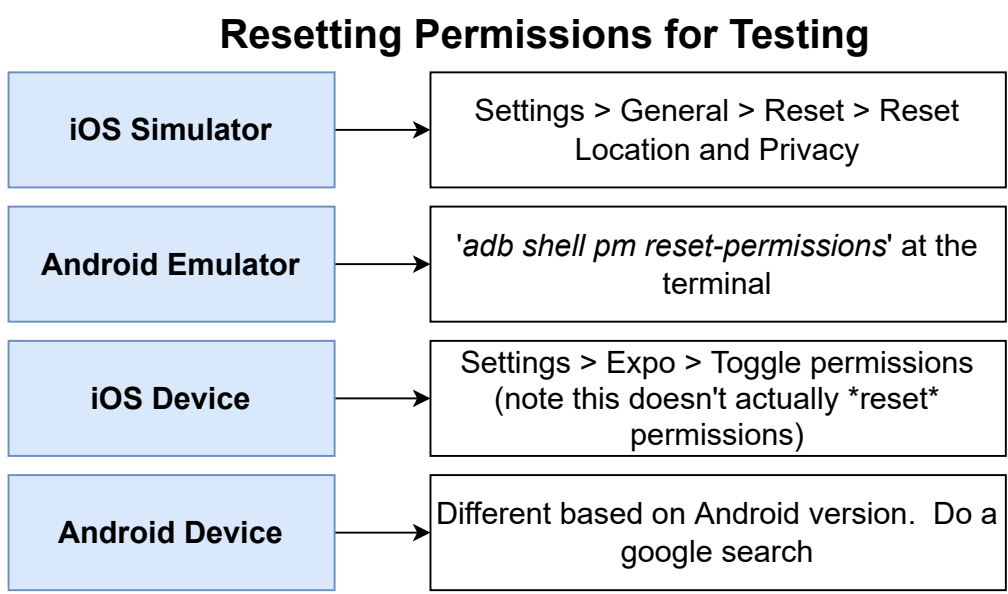
Installing with expo-cli makes sure we get a version of expo-location that is compatible with our React Native + Expo versions

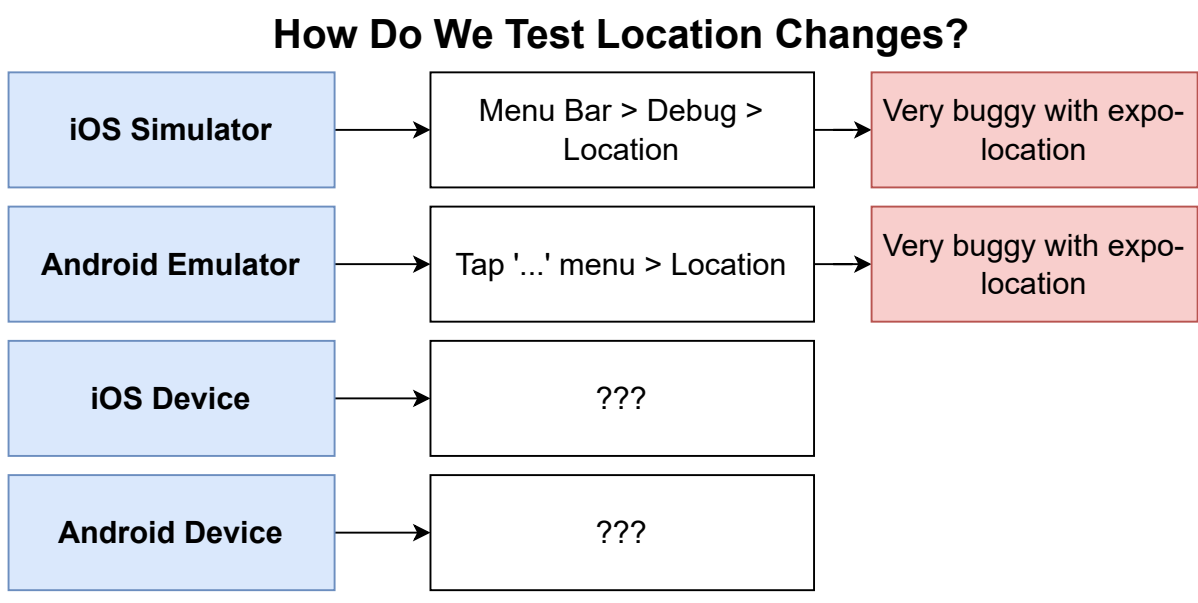


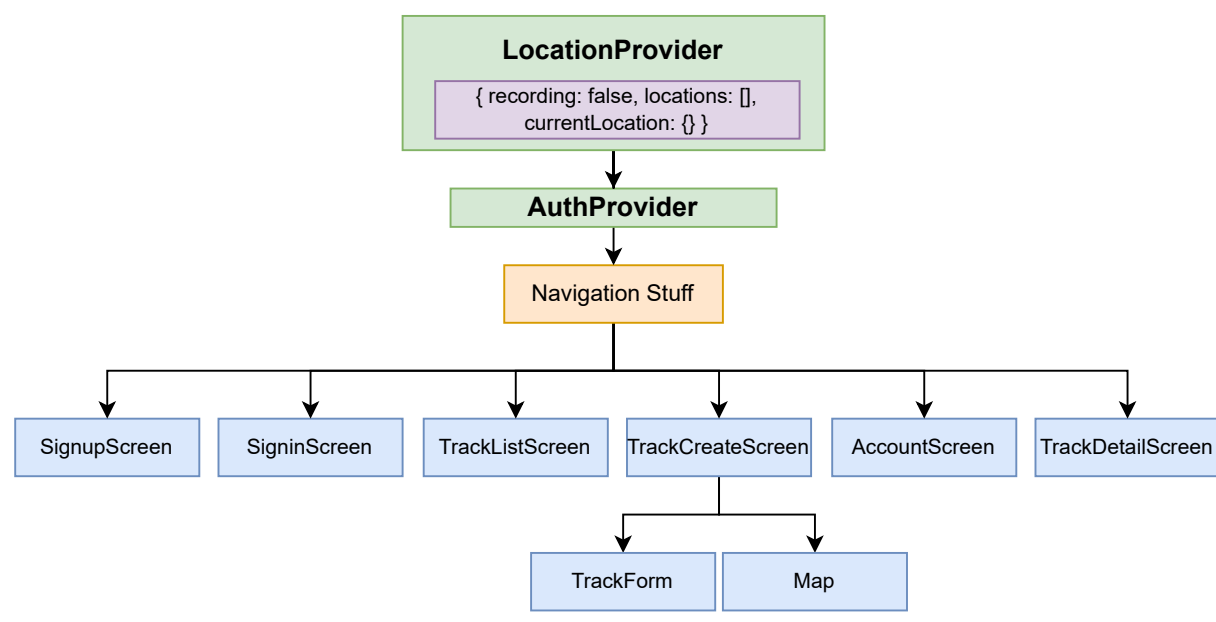
Disclaimer: at present rejecting permissions on iOS doesn't result in an error!

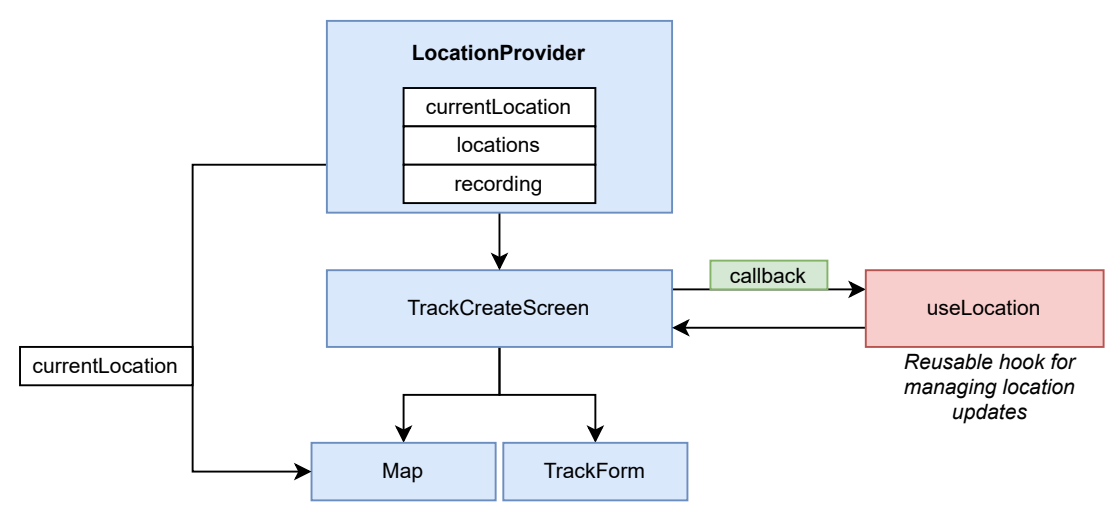


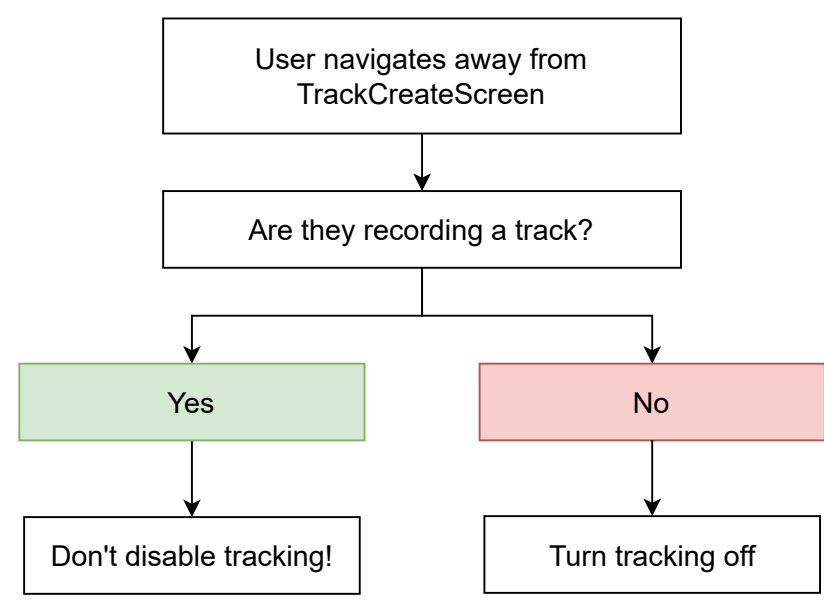
This will likely be fixed by the time you're watching this video

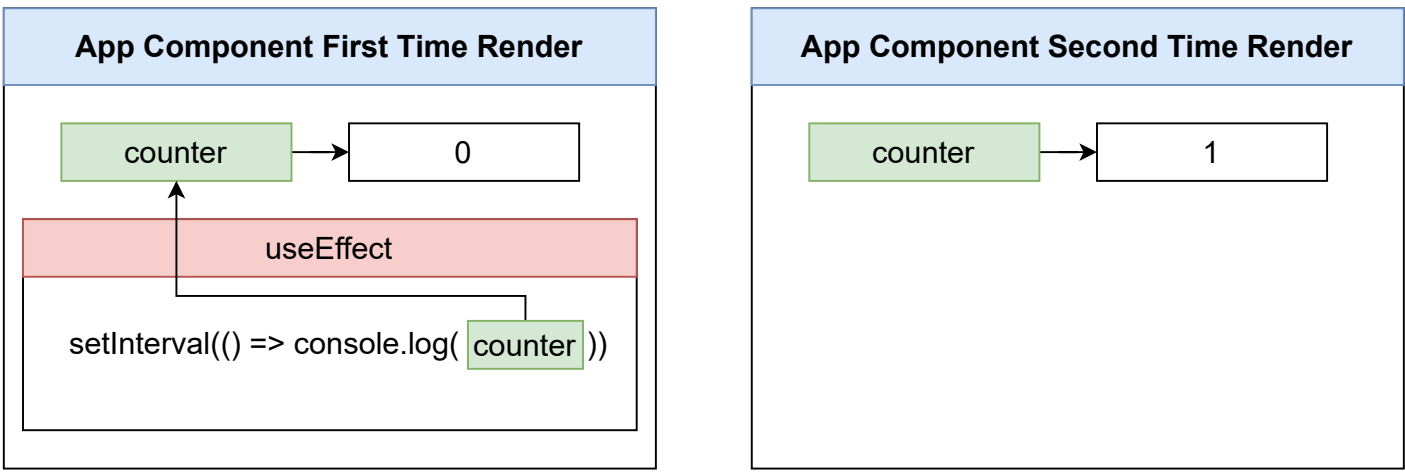


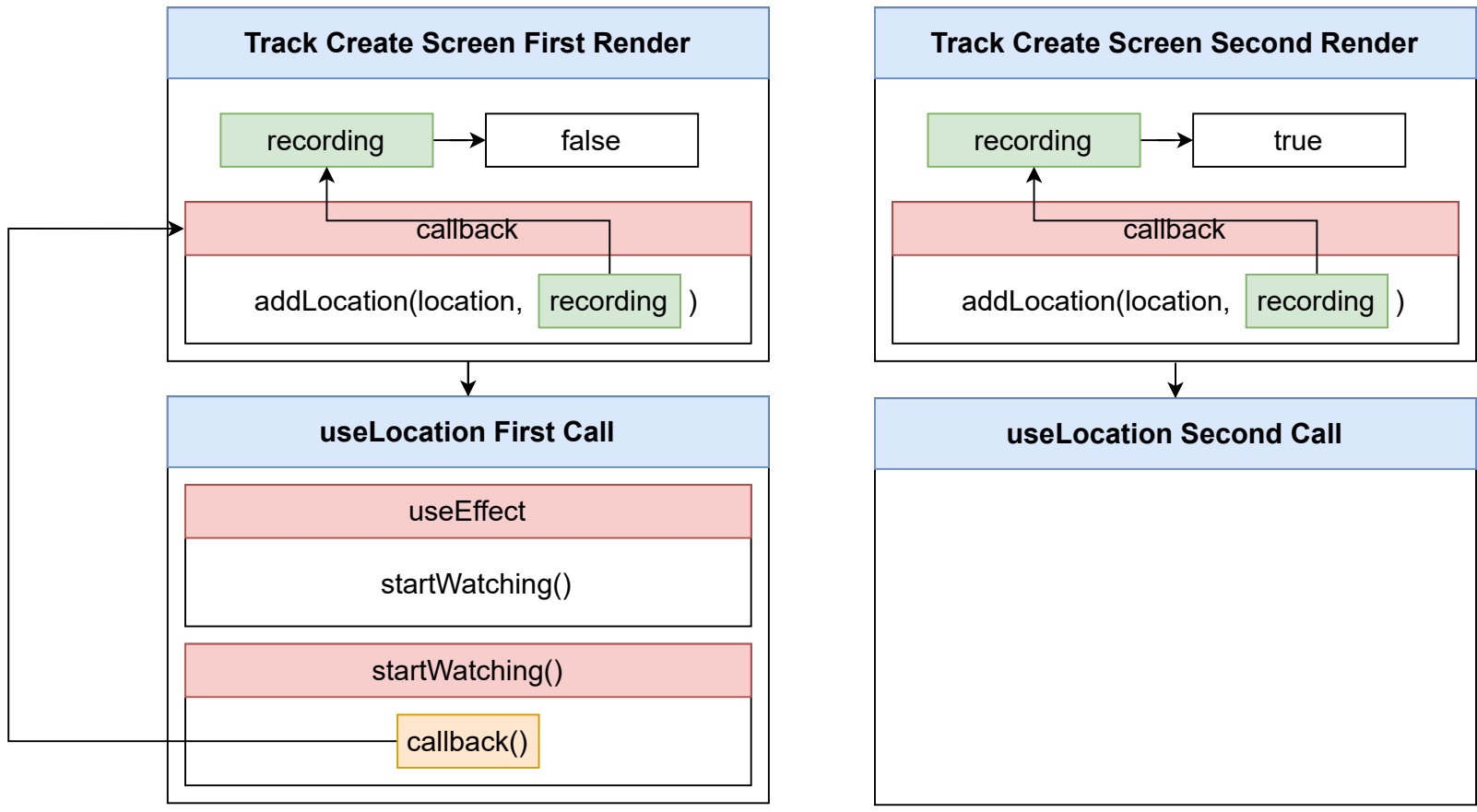


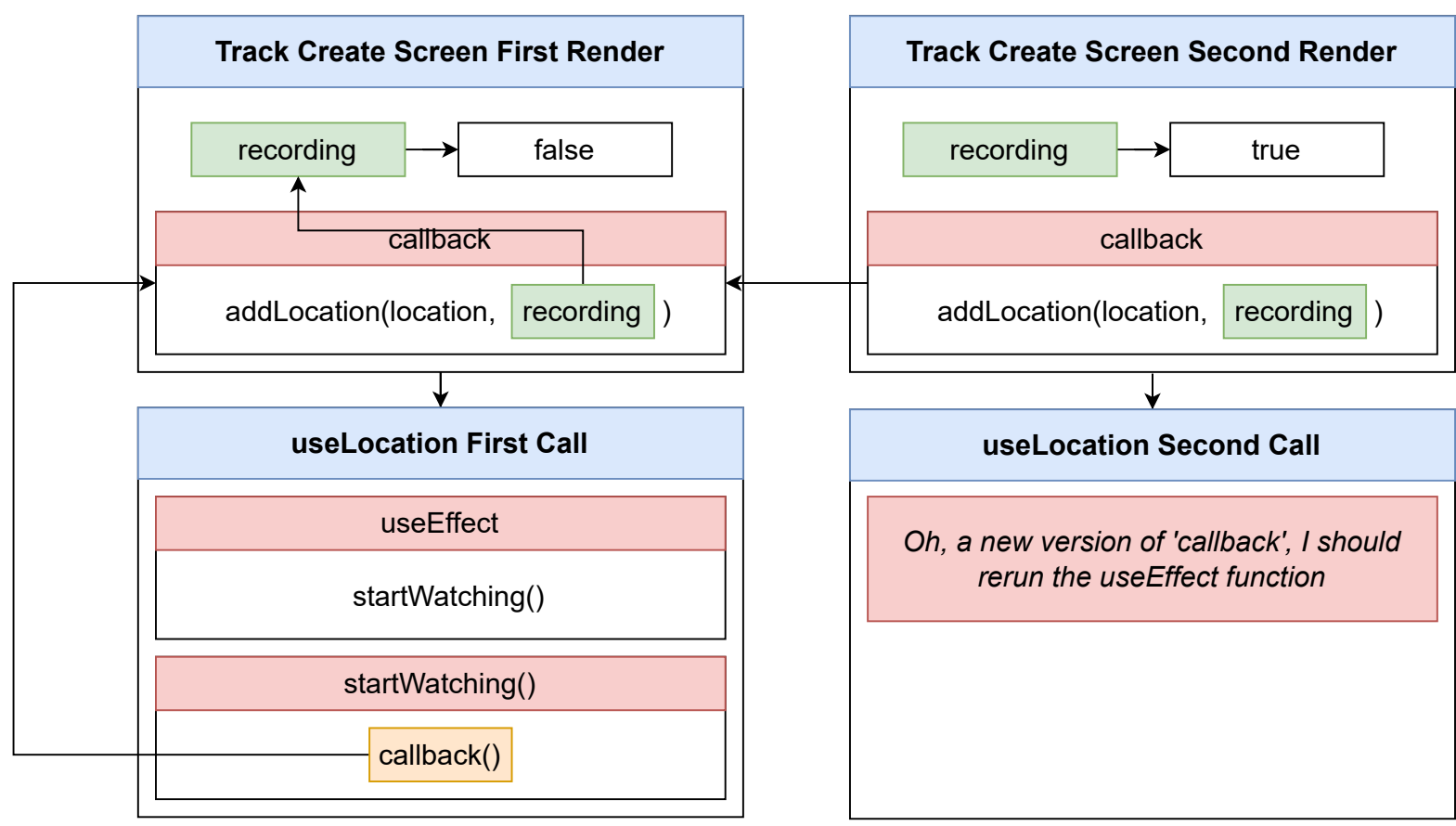


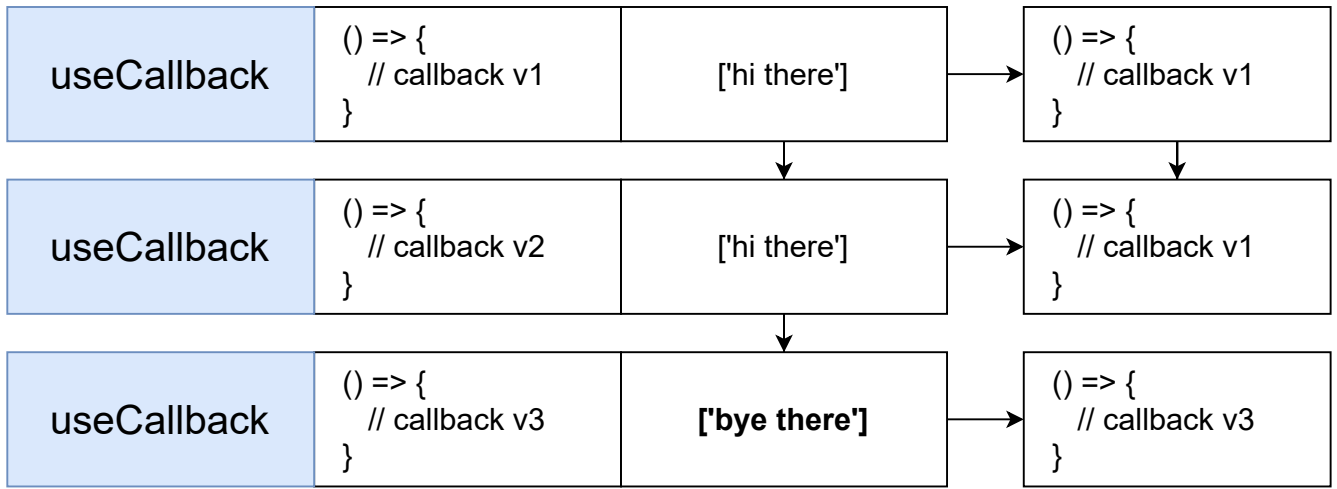


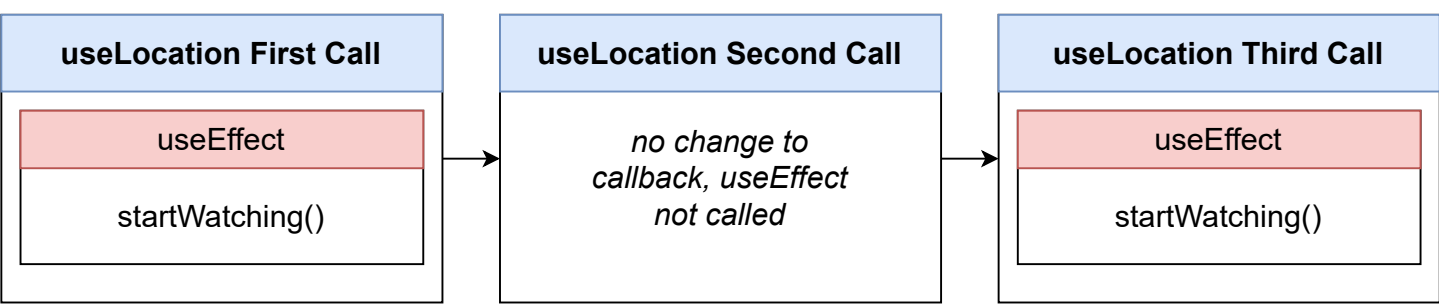


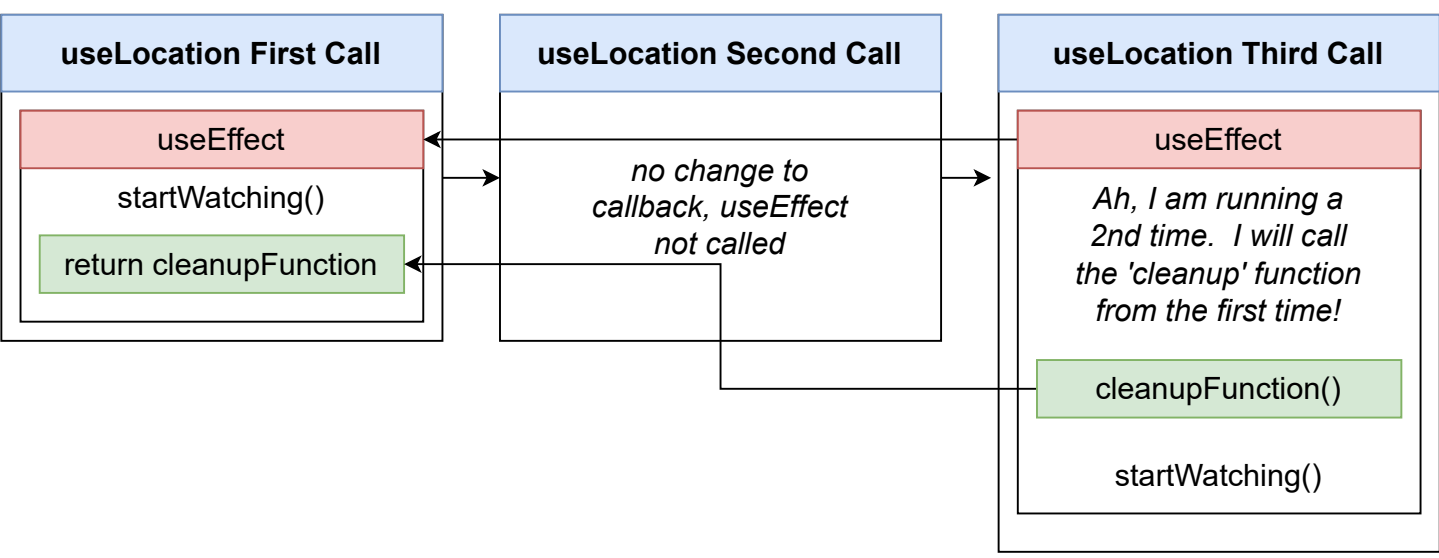




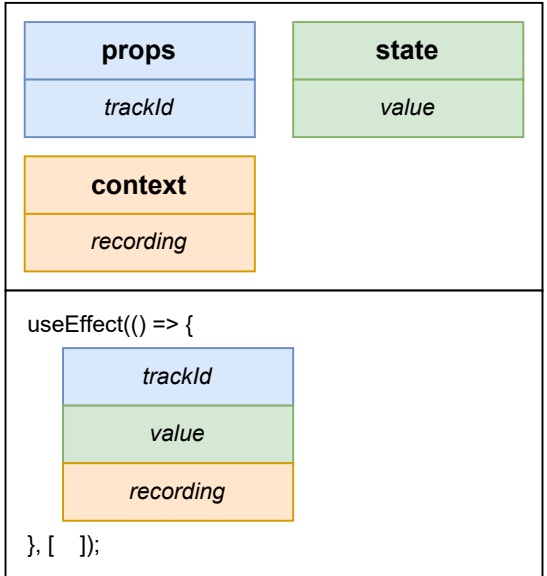






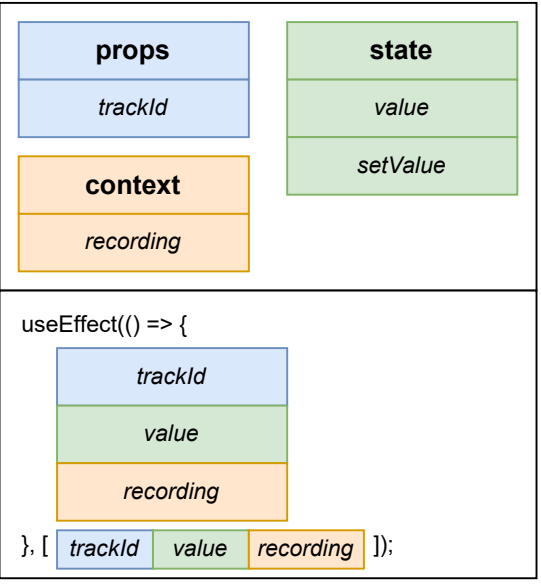


Bad. We don't want to reference state, props, or context values without adding them to our dependency list.

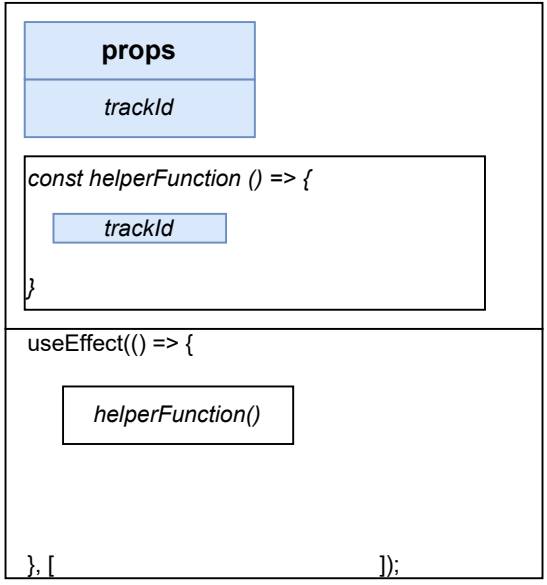


Good!

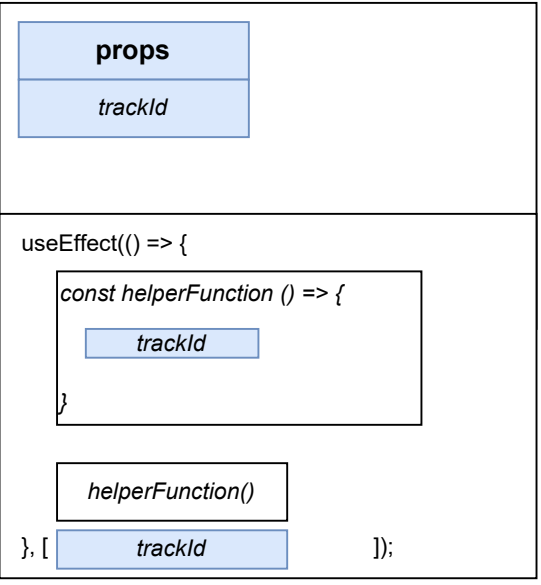
Side note: "setter" functions for state values are OK to reference

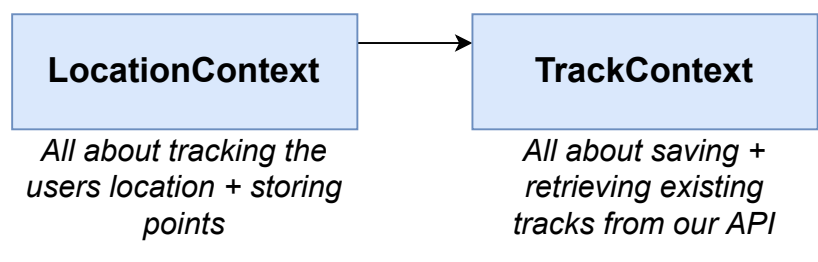


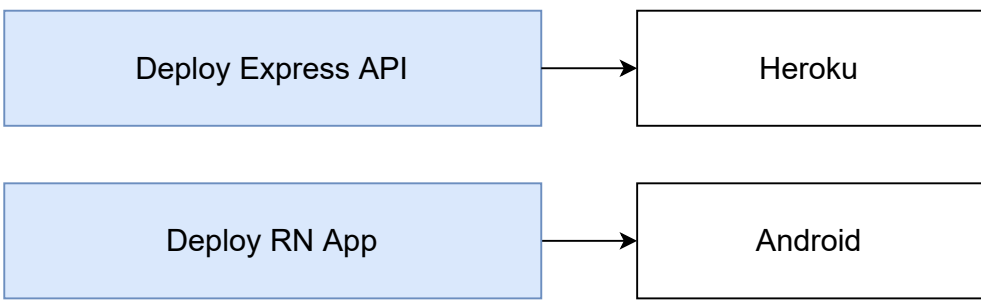
Kind of Bad! Don't define helper functions that reference props, state, or context *outside of useEffect*



Good! Define helper functions that reference state/context/props inside useEffect. If you see state/context/props referenced in there, add it to the dependency array







If you are on Windows, you must have at least **Windows 10 Professional**

docs.expo.io/versions/latest/distribution/building-standalone-apps/

Deploying the app

play.google.com/apps/publish/signup

Create a new Play Store Dev
Account

devcenter.heroku.com/articles/heroku-cli

Heroku CLI for deploying
our Express API