PPP - Android Issues

1. When transpiling for Android, I hit a number of missing packages:

**Request:** When adding new packages, always use “-save”

This allows other developers to simply use “npm install” to bring them in

npm i -save react-native-reanimated react-native-modalize

1. Once I was able to get a clean build, I got an error before seeing the login screen:

\_RNGestureHandlerModule.default.flushOperations is not a function (it is undefined)

There was a hint about this in the Terminal window – above the QR code:

The following packages should be updated for best compatibility with the installed expo version:

@react-native-async-storage/async-storage@1.23.1 - expected version: 1.21.0

@react-native-community/datetimepicker@7.6.2 - expected version: 7.6.1

@react-native-community/slider@4.5.0 - expected version: 4.4.2

expo@50.0.7 - expected version: ~50.0.14

react-native@0.73.4 - expected version: 0.73.6

\* react-native-gesture-handler@2.15.0 - expected version: ~2.14.0

react-native-reanimated@3.8.1 - expected version: ~3.6.2

react-native-safe-area-context@4.9.0 - expected version: 4.8.2

@expo/metro-config@0.10.7 - expected version: ~0.17.1

**Your project may not work correctly until you install the correct versions of the packages.**

The fix for this issue was to manually edit the packages.json file, and replace the version numbers of each package mentioned, as follows (note it’s critical to remove the ‘^’):

"@react-native-async-storage/async-storage": "^1.22.3",

"@react-native-async-storage/async-storage": "1.21.0",

1. Once this was fixed, I was able to see the login screen on my cell phone. I was NOT able to connect… I tried https: and http no luck. The ASP console showed no activity when attempting to connect from RN/Android. I could connect using the same URL with my cell browser.

What is happening here is that I was connecting to the ASP server, configured with a Certificate for IoT.ScheduleCare.ca, but I was connecting using my local IP address. This was rejected by RN, without prompting, as a browser normally does.

I then tried connecting using HTTP, I finally was able to see some traffic on the ASP console, but it would still not connect – this was due to the “app.UseRedirection()” code. I turned that off, and was then able to connect from RN/Android, using HTTP

1. Once this was done, I hit another error, Render error: property 'document' does not exist

The problem was in StudentPage.js – referencing document.body to set an event listener

In RN, there is no document, so this fails ☹

1. I noticed in the ASP console a warning in Student Search:

The query uses a row limiting operator ('Skip'/'Take') without an 'OrderBy' operator.

This I have not yet explored …

1. Doing a quick tour of the RN app, using cell phone - things generally look good, and work 😊
   1. Last username & password are NOT saved. This was a browser feature, and for RN, we will need to use AsyncStorage
   2. When the android keyboard is visible, the screen gets messed up (this is not an issue on a Android Tablet)
   3. Pictures not loading - Error fetching student photo: [Error: Cannot create URL for blob]
   4. Student:School tab has an error:

Warning: Failed prop type: Invalid prop `value` of type `number` supplied to `TextInput`, expected `string`.

* 1. In Review/Ranking, past Step1 (Current), students do not appear

[AsyncStorage] The value for key "defaultSchoolID" is not a string. Consider stringifying it.

* 1. There is an alert on the phone, but not found on the VS Code terminal “Promise unhandled rejection – double cannot be cast to string

A screenshot of a login screen

Description automatically generated A screenshot of a cell phone

Description automatically generated A screenshot of a cell phone

Description automatically generated A green screen with a black text

Description automatically generated