React Native on VS Code

1. Before Runnning VS Code

-Make sure Node is at least version 12 or higher

-Install Expo CLI in Command Promp -> for windows(npm i -g expo-cli) / for mac(sudo npm i-g expo-cli)

2. Open VS Code and go to Extensions tab on left

VS Code Extensions to Install:

-React Native Tools

-ES7 React/Redux/GraphQL/React-Native snippets

-Material Icon Theme

-Prettier code formatter

3. Go to File -> Preferences -> Settings

-Search for 'formatonsave' and make sure that 'Editor: Format on save' is checked

CREATING NEW EXPO PROJECT

1. In Command Prompt type 'expo init [projectName]'

2. Select Managed or Bare workflow

- Managed: Not going to have two projects for IOS an Android / just one JS project

- Bare: Will have IOS and Android files

3. Type 'cd [projectName]'

4. Type 'code .' to open it in VS Code

START EXPO SERVER

- Open terminal / make sure you are in project directory by typing 'n cd [projectName]'

- Type 'npm start'

- Scan QR code in terminal with Expo Go app

- Can also go to web link to view in browser

RUN ON IOS SIMULATOR (only for mac)

- Download 'xcode' in app store

- Run xcode and go to xcode -> preferences

- Go to locations and make sure command line tools are installed

- go to xcode -> Open Developer Tool -> simulator

- select 'IOS Simulator' in CLI

RUNNING ON ANDROID EMULATOR

- download and run android studio

- go to more actions -> SDK Manager

- Go to 'SDK Tools' tab and install Intel x86 emulator

- Go to virtual device manager and create a new virtual device

- choose phone with latest OS installed

- click finish and click play button to run

PROJECT STRUCTURE

- Assets

- Store images / audio here

- App.js / index.js same as React

- .vscode

- debugging information

TAGS

- <view> same as <div>

- <text> = text line

StyleSheets

- Create a style variable in App.js

- gets passed a style object and can be accessed in a tag inline