Spinning Up React Native App

Installation, Setting up Application.

**Step 1:** Install **Current version** NodeJS through <https://nodejs.org/en>

Step 2: To make sure whether you are using current version run the following commands in Command Prompt

* npm -v
* node -v

Note: - If it’s not the current version, it’ll be best option to uninstall the NodeJS from your Pc and install application again and follow pervious steps again.

A screenshot of a computer program

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Figure 1: Version Check

Source: Primary

**Step 3:** Run the following commands in terminal: -

* npm install expo-cli-global or install-global expo-cli

**Step 4:** Now we must assign a specific directory of the terminal, by following command: -

* cd [location of directory]

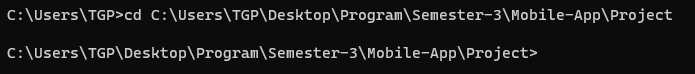


Figure 2: Assigning Directory

Source: Primary

**Step 5:** So, we have to create new project in that directory by below command: -

* npx create-expo-app[Your Project name]

**Step 6:** You will receive a message saying “Your Project is ready”

**Step 7:** Again, we must change directory in terminal using following command: -

* cd [Your project name]

For example, **cd Firstproject**

**Step 8:** Now download Android Studio in your Pc from <https://developer.android.com/studio> and if you are using iPhone, you can install application called “Expo go”. So, you see your mobile application in Expo go if you don’t want to use your laptop for that. After completing these whole steps you will see home page of Android Studio as in *Figure 3*.

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Figure 3: Home Page of Android Studio

Source: Primary

**Step 9:** Now we need to open Visual Studio Code and terminal in it, by following command: -

* npx start or npm start.

**Step 10:** Click the “More Actions”, it will redirect us to a homepage named “Select Hardware” as shown in *Figure 4.* Select mobile phone version and in this we will be using **Nexus 6P,** after that hit **Next** button.

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Figure 4: Select Hardware

Source: Primary

**Step 11:** Now select Android API version according to your requirement[s] or need[s].

**Step 12:** Name your AVD, after all these processes hit **Finish** button you are all set. After Virtual Device is running, open terminal in VSCode and enter ‘a’ in it.

**Step 13:** You will see a QR code, scan it and Expo go app that we installed in **Step 8** will open in your phone. Live changes will be displayed in your phone.

Troubleshooting: -

**Different Version:** Make ensure that you are using current version of Android Studio, to confirm that run **npm -v and node -v** command in your terminal.

**Naming Project:** While we are naming our project, make sure no space is used in between project name, otherwise you’ll face an error.

**Slower Installation:** Make there will be 2 main errors either it’s due to PC specs or internet connection.

**Error While scanning QR Code:** If you are using your mobile phone for Android Studio live mobile development make sure you have installed **Expo Go.**

**Virtual Device Error:** If the Expo Go or the Andoid Studio isn’t check out the setup installing and make sure (HAXM) is enabled in your BIOS settings.

Antivirus or Firewall: Both of these can block some necessary requests for the application to run.

Resources:

This Guide was made with the help of [https://reactnative.dev/docs/environment-setup?guide=native](https://reactnative.dev/docs/environment-setup?guide=native).)

Forums:- <https://stackoverflow.com/>