**System Requirements:**

You computer must have at least:

* 2 core processor or higher
* 8 GB RAM or higher
* Windows 64-bit operating system.

**Installation and Configuration:**

1. You will need to have node.js already downloaded in your system to be able to create the project.
2. You can head to this link <https://nodejs.org/en> and download the LTS version. After downloading the LTS version of node.js you can choose to install it with the Chocolatey extension but we won’t be using it in the project.
3. After the node.js is finished installing, go to the terminal and type “npm -v” to see the version of your npm and “node -v” to see the version of your node.js.
4. After that write npm install expo-cli –global or npm install --global expo-cli if the first command doesn’t work to install expo cli.

**Project Creation and Running the Project:**

1. After the expo cli has been downloaded you can change your directory by typing cd and the directory you want your files to be in. Mine is cd D:\Winter2024\CPRG303.
2. After changing the directory to the one you are going to be using. Type “npx create-expo-app NameOfProject” to create the app. It will install the necessary files into your directory.
3. After the app finished installing. Find the directory of the folder of the app you downloaded. I would do “cd D:\Winter2024\CPRG303\Incredible-Todo-List-App”.
4. After you have changed the directory to the folder of the app you installed. Do type “code .” to open visual studio code. If you don't have visual studio code or Visual studio, you will have to download any of those two.
5. After you have opened VIsual studio code, come back to the terminal and type. “npx expo start” or “npm start”

To run the app on android device simulator:

1. You need to install an android device simulator. This is the link for an android device simulator <https://developer.android.com/studio> .
2. After successfully installing The Android Device Emulator. Open the app and click on “more actions”, from there click on “virtual device manager”.
3. After clicking “virtual device manager” go to “create device” or by clicking the “+” sign in the upper left corner.
4. After that search for Nexus 6 P device and select it.
5. Then find the system image “Pie” and download it.
6. After you hit next and finish. You will see a device added and hit the run button.
7. After you hit the run button, you will get a virtual device running on your screen.
8. After the virtual device is in your screen running properly, go back to your terminal where the app is currently running then type “a”, the app will then run on the virtual device.

**Troubleshooting:**

For troubleshooting problems that occur, use React Native Debugger. Also use Google and AI for help.

**Resources:**

* React Native Websitet - <https://reactnative.dev/docs/environment-setup> & <https://reactnative.dev/docs/getting-started>
* Also go to StackOverflow React-Native: <https://stackoverflow.com/questions/tagged/react-native>