**SETUP INSTRUCTIONS**

System Requirements

CPU: 11th Gen Intel(R) Core(TM) i5-1135G7 (Intel i5 min)

RAM: 16GB (8GB min)

System: Windows 11 (Windows 10 min)

Installation Instructions

Installing dependencies

You will need Node, the React Native command line interface, a JDK, and Android Studio.

**Node, JDK**

1. Open an Administrator Command Prompt (right click Command Prompt and select "Run as Administrator"), then run the following command:

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If already installed, do a version check with the following commands:



npm-v



node -v

**Android development environment**

1. Download Android Studio, from link : <https://developer.android.com/studio>
2. While on Android Studio installation wizard, make sure the boxes next to all of the following items are checked:

Android SDK

Android SDK Platform

Android Virtual Device

1. Android Studio installs the latest Android SDK by default.
2. On the main screen, Click on More Actions>Virtual Device manager>Create Device.

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1. The following pop-up will appear, after clicking Create a new device

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1. Select Nexus 6P and pie as the android os.
2. After completing the installation, run it.
3. Virtual mobile device is installed.

Creating and Launching the Application

1. Open command prompt on your PC
2. Perform the following commands:

>**npm install –global expo-cli**

3. Change the directory to the desired path of your project with cd command.

>**cd[**location**]**

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1. Now perform the following command

>**npx create-expo-app [**project name**]**



1. You’ll receive the following message, if project is created successfully.

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1. Now, you have to change your directory to the project’s location

>cd IncredibleTodoListApp

1. Type, “code .” to navigate to VScode.

Note: Android Studio needs to be open, if one needs to open the app on your pc.

1. Open terminal in VScode, and type

npm start

1. The app will start in the virtual device on Android Studio.
2. To open it IOS device, install Expo GO and scan the qr code.

Troubleshooting

During, the installation and running of the first project there might be some errors you will see along the way.

Most common ones are listed below with troubleshooting

1. Changing directory : Ensure to check the directory, you are in when creating a project. “cd command” is used to change the directories in the terminal.
2. Slow Installation : If installation is taking more time than needed, please make sure you have stable internet connection.
3. You need to make sure you have right version of of node.js, you can easily check it with node -v and npm-v command.
4. Make sure the project name considered is without any spaces.
5. Sometimes, firewall blocks network requests necessary for the application to run. Ensure that your security software is not interfering with the application.
6. Make sure to download Expo go from the official App store.

Resources

All the help was taken from the following links:

1. <https://reactnative.dev/docs/environment-setup?guide=native>).
2. A community subreddit : <https://www.reddit.com/r/reactnative/>