Kristiana Bautista

000897215

**Guidelines**

Come up with a Word or Markdown document that includes the following:

1. **System requirements**: Document specifications of the system being used for React Native development. This includes the CPU, RAM size, and Windows version.

**CPU**: AMD Ryzen 7 5800H with Radeon Graphics

**RAM size**: 16.0 GB

**Windows version**: Microsoft Windows 11 Home Single Language

1. **Installation instructions**: Include step-by-step instructions for installing the necessary tools and dependencies required for the framework, such as Node.js, and the React Native CLI.

**Node.js:**

Download and install Node.js LTS from <https://nodejs.org>.

During installation, do not change anything and leave everything selected in the Custom Setup page.

In the Tools for Native modules, Do not check the “Automatically install the necessary tools. Note that this will also install Chocolatey. The script will pop-up in a new window after the installation completes.

**Android Studio:**

Download installer from <https://developer.android.com/studio>.

Start installation by running android-studio-2023.1.1.27-windows.exe.

In the Choose Components page, leave the Android Studio and Android Visual Studio Device selected.

In the Configuration Settings, leave the installation location specified.

Click Next until installation is finished.

Android Studio will open for environment set-up.

In the Install Type, please select Standard.

Select the UI Theme (Darcula or Light Mode).

In the SDK Components Setup, make sure that Android SDK, Android API 34, Performance (Intel HAXM)-(500 KB), Performance (Android Emulator hypervisor driver) – (165 KB) and Android Virtual Device – (1.44 GB) are selected.

Android studio will open, click More Actions then SDK Manager.

Make sure that Android 14.0(“UpsideDownCake”) is select under SDK Platforms and when you select the Show Package Details, Android SDK Platform 34 is selected as well.

In SDK Tools, make sure Android SDK Build-Tools 34, Android Emulator is selected.

For AMD processor follow the instructions in this link: [Android Developers Blog: Android Emulator - AMD Processor & Hyper-V Support (googleblog.com)](https://android-developers.googleblog.com/2018/07/android-emulator-amd-processor-hyper-v.html).

1. **Configuration steps**: Detail any necessary configuration steps required to set up the framework, such as setting environment variables or configuring project settings.

**Setting environment variables**

In Windows desktop, search for Edit Environment Variable for your Account.

Click New, set Variable name as ANDROID\_HOME.

For Variable value, confirm where SDK is installed by opening the settings in Android Studio, then using the details specified on the Android SDK Location.

**Platform Tools to Path**

In Windows desktop, search for Edit Environment Variable for your Account.

In User variables for Valued Customer, search the variable “Path”, then click Edit.

In the new window that appeared, select New.

Paste the Android SDK Location found in Android Studio setting and add \platform-tools.

Then click OK.

1. **Project creation**: Outline the steps involved in creating a new project using the framework, including any necessary setup or configuration.

If global react-native-cli package is previously installed, please uninstall it as it may cause to unforeseen problems.

To uninstall open command prompt and run:  
npm uninstall -g react-native-cli @react-native-community/cli

**Using a specific version or template**

In command prompt, run:

npx react-native@latest init IncredibleTodoListApp

1. **Running the project**: Detail how to run the project in an Android Device Simulator.

In file, click open and select the android folder under IncredibleTodoListAppfolder.

From the device manager, open device.

After device opens, run the app.

1. **Troubleshooting**: Include information on how to troubleshoot common issues that may arise during setup or development, such as debugging and error messages. This may need to be updated in the future.

Error: Unable to load script.

In command prompt, enter “cd”.

Then press “R”.

In App.jsx, edit line 80 and change App.tsx -> App.jsx.

1. **Resources**: Provide links to additional resources and documentation that can be used for reference and further learning, such as official documentation, tutorials, and Stack Overflow answers.

https://reactnative.dev/docs/environment-setup