Lab Assignment 1: Spinning Up React Native App

1. **System Requirements:**

**CPU:** 12th Gen Intel(R) Core (TM) i7-1255U 1.70 GHz

**RAM:** 16.0 GB (15.7 GB usable)

**Windows:** Windows 11 Home 22H2

1. **Installation instructions:**

**Step 1:** Download and install the 20.11.0 LTS version of NodeJS by visiting link: [Node.js (nodejs.org)](https://nodejs.org/en)

**Step 2:** Open window terminal and run version check by typing these commands on Command Prompt.

>node -v

>npm -v

**Step 3**: Now install Expo-cli by using either of these commands :

**C:\WINDOWS\system32>npm install expo-cli –global**

**Or**

**C:\WINDOWS\system32>npm install --global expo-cli**

1. **Configuration Steps:**

No specific environment variables are required but to initiate the project,

Use the following command:

**>expo init IncredibleTODOListApp**

1. **Project Creation:**

**Step 1:** To change the directory in cmd prompt, use the commands below:

**C:\WINDOWS\system>cd C:\\CPRG303**

Then,

**C:\CPRG303>npx create-expo-app IncredibleTODOListApp**

**Or  
npx create-expo-app@latest IncredibleTODOListApp**

**Step 2:** Now to navigate into the actual project directory:

**>cd IncredibleTODOListApp**

**Step 3:** To open the project on VSCode, use the command below:

**>Code .**

1. **Running the project in Expo Go:**

**(Assumption:** ExpoGo application is already installed on one’s device(Iphone), if you haven’t installed it, do the installation right now and then follow the remaining steps**)**

**Step 1:** Revert to “Command prompt” and use the following command:

>npx expo start

Or

>npm start

(This step will generate a QR code that can be easily scanned via Iphone camera’s and one will straight away get directed to ExpoGo application with that particular project.)

**Step 2:** To stop the server from running, now press Ctrl+C from your keyboard.

1. **Troubleshooting:**

If there’s any error in the Metro Bundler process, it might be due to a caching issue. Try running:

**>expo r -c**

If there’s any issue with Expo Go:

Ensure your mobile device and development machine are on the same network.

OR

Restart Expo Go and your development server.

1. **Resources:**

**[1]** React native setting up the environment: <https://reactnative.dev/docs/environment-setup?guide=native).>

**[2]**Expo Go Documentation: <https://www.bing.com/ck/a?!&&p=15311c289b0811bbJmltdHM9MTcwNTc5NTIwMCZpZ3VpZD0yNTVjZjI3OC02MmNhLTZmMTctMDkwZC1lMTM2NjNlNzZlYmQmaW5zaWQ9NTIwNQ&ptn=3&ver=2&hsh=3&fclid=255cf278-62ca-6f17-090d-e13663e76ebd&psq=expo+go+documentation&u=a1aHR0cHM6Ly9kb2NzLmV4cG8uZGV2L2dldC1zdGFydGVkL2V4cG8tZ28v&ntb=1>