**LAB ASSIGNMENT 1**

**SPINNING UP REACT NATIVE**

**DOCUMENTATION IN DETAIL**

* **SYSTEM REQUIREMENTS USED FOR REACT NATIVE**

**CPU - AMD Ryzen 5 3500U with Radeon Vega Mobile Gfx 2.10 Ghz**

**RAM – 16gigabits with the speed of 2400MT/s**

**Form factor – SODDIMM**

**OPERATING SYSTEM - Windows 11 Pro**

**Version – Dev**

* **INSTALLATION INSTRUCTIONS**

**Install all listed software below**

* **VSCODE – used as a code editor**
* **NODEJS – used to create react native project**
* **EXPO GO (in mobile) - used for emulation of the application**

**In this scenario the configuration is only required for NODEJS to do that in the command line type the following command**

**node -v**

**OR**

**node --version**

**PROJECT CREATION -->> -->>**

* **Additional information: following the website and choose the platform for developing the react native application**
* **In this case the application will be developed in windows 11 for Android**

**Firstly, Create a folder in the PC**

**--> then open the folder with the TERMINAL--> type this command npx create-expo-app@latest**

**This command will create the project with installing the Node modules and using expo as an emulator**

**--> this also ask about the name of the application in this case it is --> to do list**

* **This command will ask user to set up the name of the application and then setup the node and react native in the specified directory**

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**HOW TO RUN THE PROJECT ON A MOBILE PHONE?**

* **NEXT STEP IS – to open this file with VSCODE**

**In the VSCODE open this in terminal**

**In terminal**

**If user want to open the prebuild application**

**in android or iPhone**

**npx expo start**

**This command will provide a barcode to scan by using the mobile camera and after scanning mobile will work as an emulator**

**Additional information – the user needs to sign in in the Expo go in mobile phones to run the application correctly**

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**How to run an application on PC instead of an emulator?**

**ANSWER- If user wants to run the application on the web browser npx expo start this command also provide an option to do so there is command after the barcode npx run web**

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**TROUBLESHOOTING**

**-->>If node package manager requires update Type npm install –g (recommended version)**

**-->> Make sure both emulator and PC both are connected to same WIFI network, Otherwise the emulator (mobile) will not render the webpage**

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