**Lab 1**

**Guidelines**

**System requirements**

CPU: i7-9750H CPU

RAM Size: 8.00 GB (7.85 GB usable)

Windows Version: 21H2

**Installation Instructions**

### **1. Installation of Node.js**

* Visit the official Node.js website to download and install Node.js.
* Use the terminal to execute node –v and npm –v to confirm installation.

**2. Expo Go Installation**

* Run 'npm install –g expo-cli' to install Expo CLI.
* Get Expo Go for your smartphone from the Google Play Store.

**Configuration Steps**

**For Expo Go:**

1. **Node.js:** Ensure a recent version of Node.js is installed. This can be verified by running ‘node -v’ in the terminal.

2. **Expo CLI:** Use 'npm install -g expo-cli' to install Expo CLI worldwide.

3. **Development Environment:** stable internet connection and a development environment like visual studio code are recommended.

**Project Creation**

**Using Expo:**

1. Create a new project with ‘npx create-expo-app IncredibleTodoListApp’.

2. Navigate to project directory with ‘cd Incredible TodoListApp’.

**Running the Project**

**With Expo Go:**

1. Start the project with ‘npx expo start.’
2. Install the Expo Go app on the phone.
3. Connect the phone and computer to the same wireless network and close all the tabs in the phone.
4. Use the Expo Go app to scan the QR code that is shown in the terminal.

**Troubleshooting**

**1. Installation problem-**Errors during installation of Node.js

**2. Environment Setup Issues-**Problems setting up the development environment, including incorrect path configurations.

**3. App Compilation Errors**-Errors when trying to compile and run the app.

**4. Connectivity issues with Expo Go**-Unable to load the app on expo go.

**5. Debugging app Crashes**-The app crashes during certain operations.

**6. Network request failures**-Network requests fail in the app causes fatal errors.

**7. Package Dependency Conflicts**-Conflicts between various npm packages.

**Resources**

**1.GitHub Issues:** Check existing issues or post a new one for expo GitHub.

**2.Expo Forums:** Visit the Expo Forums for community-driven support and discussions.