Lab 1

Setting Up a React Native Environment on Windows (Ryzen 7)

Arshpreet Kaur

000905920

System Specifications:

* Processor: AMD Ryzen 7
* RAM: 8 GB or higher
* Operating System: Windows (Please make sure to have Windows 11 or a compatible version)

Running the Project using Expo Go on Android Emulator:

1. Install Expo CLI:

If you haven't installed Expo CLI globally, run the following command in your terminal or Command Prompt:

npm install -g expo-cli

After this, verify the installation of the required software by using the following commands:

npm -v

node -v

1. Create a New Expo Project:

Run the following commands to create a new Expo project:

npx create-expo-app

cd MyExpoProject

1. Start the Development Server:

Run the following command to start the Expo development server:

expo start

1. Choose an Emulator:

In this step, we'll get an option to choose an emulator. Since we are setting up on Windows, we will primarily focus on Android Emulator. we can use emulators like Android Studio's AVD Manager or Genymotion.

> Using Expo Go on a physical Android device:

- Install Expo Go on your Android device from the Google Play Store.

- Scan the QR code displayed in the terminal with the Expo Go app.

> Using Android Emulator:

- Press ‘a’ to open the Android emulator.

> Press ‘w’ to open the web (optional).

> Press ‘j’ to open the debugger.

> Press ‘r’ to reload the app.

> Press ‘m’ to toggle the menu.

> Press ‘o’ to open the project code in the default editor.

> Press ‘?’ to show all commands.

5. Done!