Spinning Up React Native App

# System Requirements:

* RAM: 8GB
* CPU: Intel (R) Core (TM) 17-4870HQ
* Windows Version: Windows 10 or higher

# Installation Instructions:

* Download LTS node.js (LTS is recommended as opposed to current)
* Install Node and Java SE Development Kit using Chocolatey
* Install Expo Go on your phone and Android studio on your laptop/computer

# Configuration Steps:

* Configure ANDROID\_HOME environment variable

# Project Creation:

* To create a project:
  + Open up Node.js command line
  + Navigate to the directory you want to store your project
  + Write the command: npx create-expo-app appname

# Running the project:

* Using Expo Go:
  + Open terminal in Visual Studio Code (Or IDE of your choosing)
  + Type npm start
  + Scan code with your phone camera
* Using Android Studio
  + Open AVD Manager and click “Create Virtual Device” to launch a new virtual device
  + Select a device category and name then select an Android System Image that will power the virtual device (setting up the virtual device)
  + Choose the device that was just set up and click the play icon to start the emulator
  + Go back to the terminal and run: npx react-native run-android

# Troubleshooting:

* To troubleshoot go to the website: reactnative.dev then navigate to the troubleshooting page:
  + This website lists solutions to some common issues when setting up React Native
* If the problem isn’t listed there, search for solutions in GitHub

# Resources:

* Here are some websites I used to set up React Native:
  + [Setting up the development environment · React Native](https://reactnative.dev/docs/environment-setup?guide=native&platform=android)
  + [Troubleshooting · React Native](https://reactnative.dev/docs/troubleshooting)
  + [Run a React Native App on an Android Device or Emulator | Waldo Blog](https://www.waldo.com/blog/run-a-react-native-app)