# Spinning Up a React Native App

**Submitted by:** Leina Capili | CPRG303 – D | Software Development Winter 2024

**Submitted to:** Jaspreet Gill

**Date submitted:** January 21, 2024

## System Requirements

* Windows version: Windows 10, 11

## Installation

1. Install NodeJS from [Node.js](https://nodejs.org/en/).
2. To ensure that you installed NodeJS successfully, open the Command Prompt (enter “cmd” on your taskbar’s search bar) and run a version check. Enter the following prompts:

>node -v

>npm -v

Each command should return your system’s version of NodeJS and Node Package Manager, respectively.

A screenshot of a computer program

Description automatically generated

1. On your Command Prompt, enter npm install expo-cli –global or npm install –global expo-cli.

## Configuration & Project Creation

1. On your Command Prompt, navigate to your preferred directory for your projects by using the change directory command (cd).

>cd C:\cprg303

A black background with white text

Description automatically generated

1. While in that directory, enter npx create-expo-app IncredibleTodo or npx create-expo-app@latest IncredibleTodo on your Command Prompt. This will download and extract the necessary project files.

A black background with text

Description automatically generated

1. Using the cd command, move into the project directory.

>cd IncredibleTodo

A black background with white text

Description automatically generated

1. Open the project in VSCode by entering code .

A screenshot of a computer

Description automatically generated

1. Return to your Command Prompt and type npx expo start or npm start to generate a QR code that you can scan with your mobile phone.

A screenshot of a computer

Description automatically generated

1. Once the QR code is present, you can scan it with your mobile phone, after which you will be redirected to Expo Go to reflect the created app.

## Troubleshooting

In case your app is not loading on Expo Go, ensure that your computer and your mobile phone are connected to the same network.

## Resources

**Expo Go Docs:** <https://docs.expo.dev/>

**Node.js:** <https://nodejs.org/en/>

**React Native: Setting up the development environment**: <https://reactnative.dev/docs/environment-setup>

**Visual Studio Code:** <https://code.visualstudio.com/>