PRONTO

Technical Installation Manual

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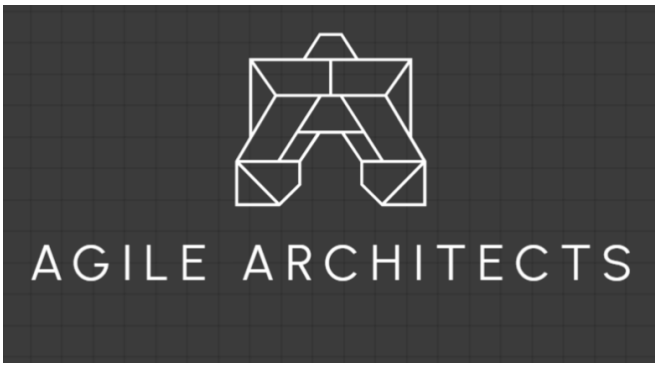


Contents

1. Introduction 3
2. Installation 3
Step 1: Install Node JS 3
Step 2: Install Expo CLI 3
Step 3: Install Xcode and/or Android studio 3
3. Running the React Native Mobile Application: 3
4. Running the React Lecturer/Institution Web application 4

1. Introduction

Pronto timetable application consists of a web application for Lecturers and Institutional admins which can be run after installing react, and a mobile application for students which can be run after installing React Native Expo and respective emulators. This guide details the installation process for both applications.

2. Installation

Step 1: Install Node JS

React Native and React requires Node.js to run. You can download and install the latest version of Node.js from the official Node.js website: https://nodejs.org/.

Step 2: Install Expo CLI

Open a terminal or command prompt and run the following command to install Expo CLI globally:

```
npm install -g expo-cli
```

Step 3: Install Xcode and/or Android studio

Mac users: Search for "Xcode" on the app store and install it to simulate the application on an IOS device.

Windows users: Download Android studio from "developer.android.com/studio" to simulate the application on an android device.

3. Running the React Native Mobile Application:

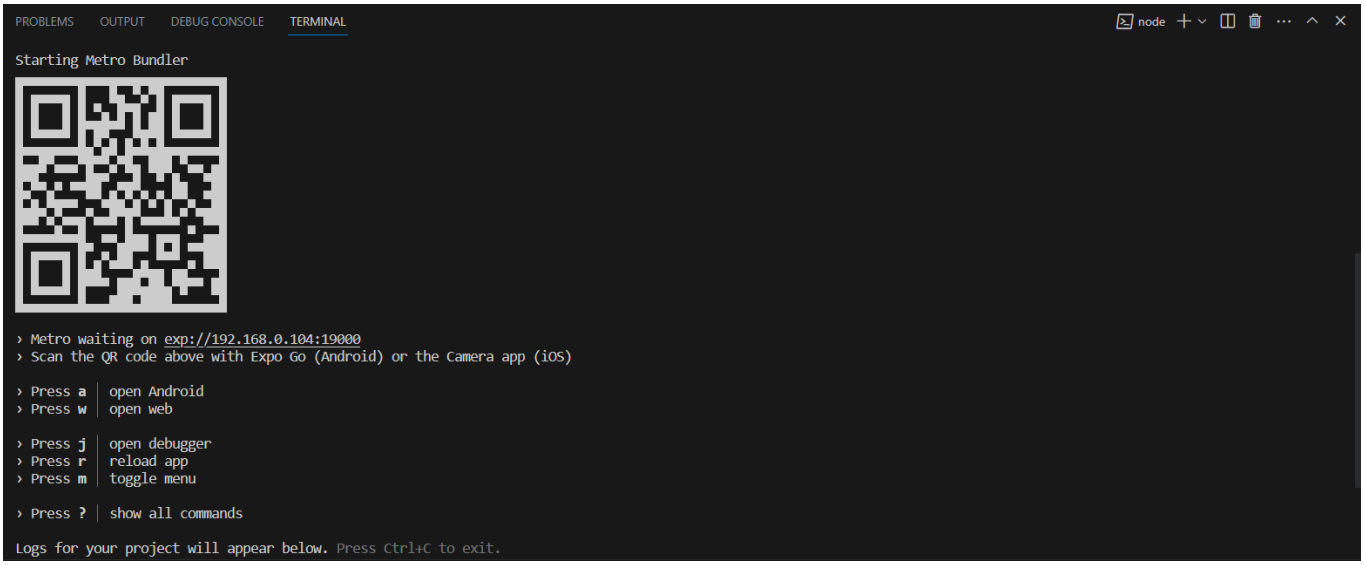
Open the "Mobile View" folder from the pronto repository and run the following commands in terminal:

1. To install all required packages and dependencies:

```
npm install
```

2. To run the app:

```
npm start
```



The above menu will appear, with the options of how to run the app:

- “w” to run the web app in browser
- “a” to run the web app in android studio (installation information outlined in subsection 2.3).
- “i” to run the app in IOS simulator (for Mac only, installation information outlined in subsection 2.3).
- Scan the QR code through the Expo go app to run the app on an android device, or with the camera app on an IOS device.

4. Running the React Lecturer/Institution Web application

From the repository, enter the “Web App” folder (Web view > Web app) and enter the following commands in terminal:

1. To install all required packages and dependencies:

```
npm install
```

2. To run the web app:

```
npm start
```

The web application will run automatically in your browser.