# PRONTO

# Technical Installation Manual

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AGILE ARCHITECTS

aws

## Contents



# Github Repo: https://github.com/COS301-SE-2023/Pronto

# 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 and/or ExpoGo

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.

Android or IOS device users: Download the expoGo app directly from the app store or play store to run the mobile application on your device.

# 3. Running the React Native Mobile Application:

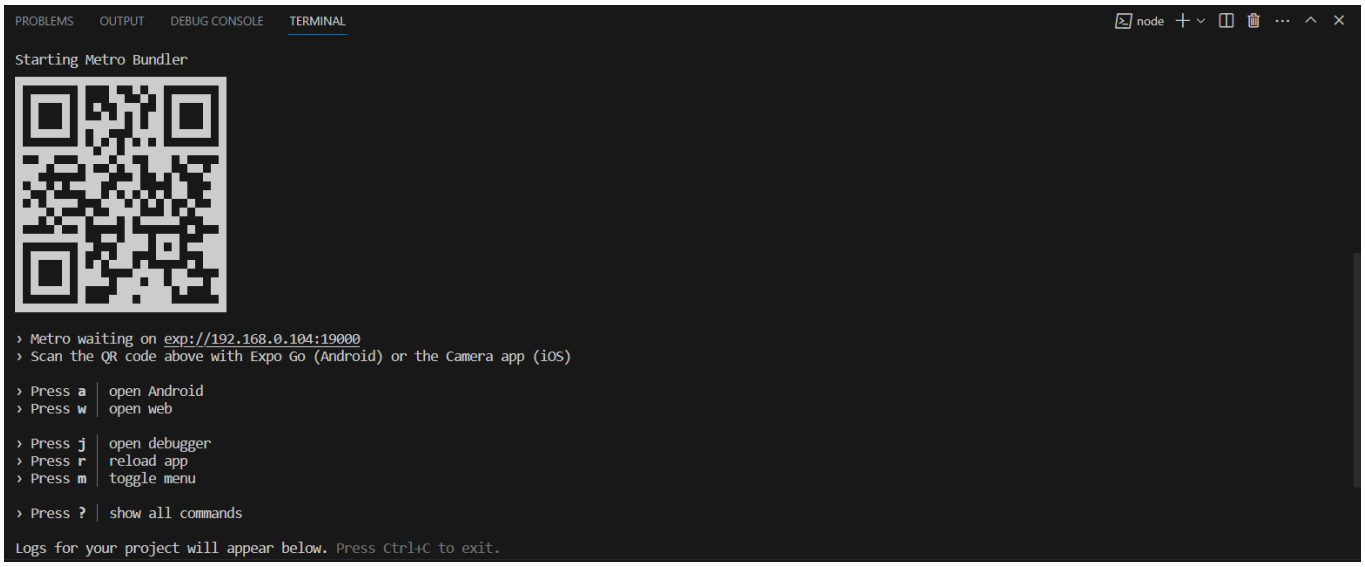
Open the “Mobile View” folder from the pronto repository and run the following commands in terminal:

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. (installation information outlined in subsection 2.3).

## 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.

## 5. Migration of the project to another AWS account

Before you start the migration, make sure you have the following:

- Access to both the source and target AWS accounts.
- A clear understanding of the project's architecture, dependencies, and data flows.
- A plan for DNS changes.

Amplify CLI can be used to easily recreate resources in a different AWS account.Run the following steps to migrate an existing project to another AWS account:

1. Clone your repository

2. Run `amplify init -` This command initializes an Amplify project in your local repository. It sets up the project's configuration files and prompts you to configure certain settings. In the context of migration, you'll be using this command to set up the project to be compatible with the new AWS account.

3. Select an AWS Profile that will connect to the new account (Do not use an existing environment)

Amplify CLI updates the `amplify/team-provider-info.json` file with the new environment name. Run `amplify env list` to see an additional environment that is connected to the account of the new profile.