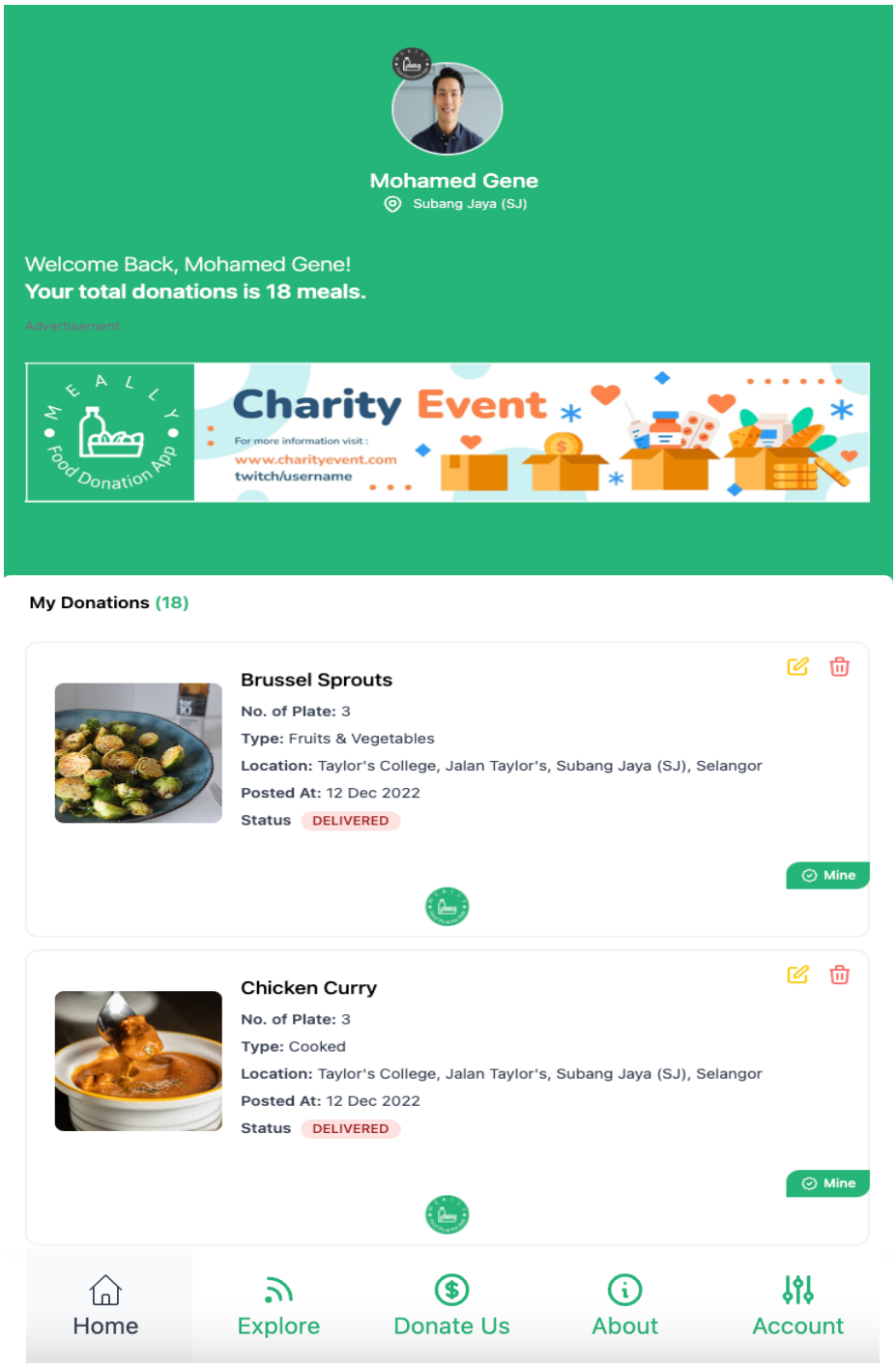
Meally – The Food Donation App



Meally is a mobile app that users can use to donate food. They can donate cooked, uncooked, fruits and vegetables along with other food related items through the app. Meally app can also be used to book donated food and to donate money to the Meally project. Packed with a simple yet beautiful user interface, it has got very useful features. The purpose of this app is to lessen the food wastage problem in Malaysia.

#Prerequisites

The first thing required is to install nodejs and npm in the system.

If the user have nodejs already installed, then they can skip this step.

To check whether it is installed in the system, open the Command Prompt Interface (on Windows), for Mac OS users, in the system Terminal type the command “node -v. If nodejs is installed it will print and output the version of the nodejs installed in the system, if not, it would not print or give an output.

To check whether npm is also installed run the “npm -v” command in the Command Prompt Interface (for Windows). For Mac OS users, type “npm -v” in the system Terminal. If it is installed the version will be shown as the output, if not, it will not be shown.

Node.js is a JavaScript-based environment which you can use to create web-servers and networked applications. NPM is a “package manager” that makes installing Node “packages” fast and easy. NPM is installed when you install Node.js

In order to install node.js and npm go to https://nodejs.org/en/download/ and select the preferred file according to the user’s system and OS.

Open the project folder in the Code Editor (in our case, we used Visual Studio Code) and follow the steps below:

#Setup

Make sure to install the dependencies:

- npm

npm install

We used “npm install” command in the Terminal of our Code Editor (Visual Studio Code).

#Development Server

- Start the development server on http://localhost:3000

npm run dev

We used “npm run dev” command in the Code Editor (Visual Studio Code) terminal to start the development server on http://localhost:3000

After running “npm run dev” command, the user can run the app in the web browser by clicking the link (http://localhost:3000) on the Terminal of the code editor (Visual Studio Code) or going to the web browser and typing http://localhost:3000.

#Running on a mobile device

> Xcode (for iOS) and Android Studio/Android SDK (Android) are required to open or run the project. See [Capacitor Environment Setup docs for more details](https://capacitorjs.com/docs/getting-started/environment-setup). If this is your first time running a mobile app with Android Studio, additional configuration may be required to use `npx cap run android`.

- Create web build with `npx nuxi generate`
- Sync to Capacitor with `npx cap sync`
- Run the app with `npx cap run ios` or `npx cap run android` OR
- Open in XCode with `npx cap open ios` or Android Studio with `npx cap open android`
- Run app using built-in emulators in XCode or Android Studio

#Connection to database

We used Supabase and Postgres database to store the data and as a database for our app. In order to connect to the database, the Supabase keys are required. The compiled file should have a ".env" file in it. In the ".env" the Supabase keys are there, however, if there are issues, or if there is no ".env" file, the user can create a ".env" file inside the project folder and paste the following inside the ".env" file:

SUPABASE_URL=https://epgcndjvdwnkdsmbhvhs.supabase.co/
SUPABASE_KEY=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6ImVwZ2NuZGp2ZHdua2RzbWJodmhzIiwicm9sZSI6ImFub24iLCJpYXQiOjE2Njc4Mzc5NjgsImV4cCI6MTk4MzQxMzk2OH0.ZyT3R364q5H5ZhatwPFuZYO_ooX-SNRNwwXnc89CpZA

The keys above are the ones required to connect to the Supabase.

Since setting up the database can be very time consuming we advise to follow the above steps if there is no ."env" file. If there is a ".env" file then just run the dependencies ("npm install" followed by "npm run dev") as mentioned in the previous steps.

Tech used

- Vue
- Nuxt
- Capacitor
- Tailwindcss
- Supabase (Backend)
- PostgreSQL (Database)