**Setup Guide**

1**. Prerequisites**:-Before setting up the project, ensure that we have the following prerequisites installed on your system:

* Node.js and npm (Node Package Manager)
* PostgreSQL database server
* Git
* VS code or any editor

2. **Install Dependencies**

* Navigate to the project directory and install the required dependencies using npm
* cd food-delivery-app
* npm install

**3. Database Configuration**

To create a PostgreSQL Database we have to first install the POSTGRE SQL.

Then after the installation we need to using the SQL query CREATE DATABASE food\_delivery ; or using the pgAdmin 4

Database Connection Configuration- In config/database.js file we need to update the database connection details (host, username, password, database name) according to your PostgreSQL setup.

4. **Database Migration** – I used Sequelize. These are following steps we need to follow

A. **Installation of CLI**- First, you need to install the Sequelize CLI ,which is used to install the required dependencies for setting up Sequelize with PostgreSQL in your Node.js project.

npm install --save sequelize sequelize-cli pg pg-hstore,

B. **Initialize Sequelize**: sequelize init

C.**Create Migration Files**:

npx sequelize-cli model:generate --name Organization --attributes id:integer,name:string

npx sequelize-cli model:generate --name Item --attributes id:integer, type:string,description:string

npx sequelize-cli model:generate --name Pricing --attributes organizationId:integer,item\_id:integer,zone:string,base\_distance\_in\_km:float,km\_price:float,fix\_price:integer

This will generate a new migration file in the `migrations` directory with a timestamp prefix.

**D. Define Migration Schema**

Once you've defined the migration files for all your database tables, you can run the migrations to apply them to the database:sequelize db:migrate

This command will execute all pending migrations and create the corresponding tables in your database.

5. **Environment Configuration-** Create a `.env` file in the project directory and configure any necessary environment variables. I did not use this but it is suggested to use it for privacy or if we have any confidential information. This env helps in improving the security

6. **File Structure**-First create the necessary files, folders like server.js, routes, services, models, test and implement the necessary login

7. **Start the Server -** npm start

The server should now be running at `http://localhost:3000`.

8**. Test the API**- We can now test the API endpoints using tools like Postman .

9. **Development Workflow**

npm run dev : Start the server in development mode with auto-reloading.

npm test : Run the test suite to ensure code quality and functionality.

10. **Prepare the documentation** – This is optional . We can give the test cases and attach all the test cases , outputs.

11. **Deployment**

* We need to open our github account
* Then create a new repositiory
* Then give git remote add url <https://github.com/your-username/food-delivery-app.git>
* git pull origin main
* Then git add .
* git commit -m “message”
* git push origin main

12. **Hosting –** As mentioned we need to create a render account and link with github and host it.