

# Getting Started with the NEEPCO Project (React.js + Supabase)

This guide walks you through the process of setting up and running the **NEEPCO project**, which uses a React.js frontend (built with Vite) and a Supabase backend. Whether you're setting it up for the first time or revisiting the project, these steps will help you get everything up and running smoothly. Make sure you have the project files ready, including any SQL migration files for the database setup.

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## Overview

This project includes everything you need to build and run the NEEPCO application:

- A **React.js frontend** built using **Vite** for fast and modern web development
  - A **Supabase backend** that handles the database, authentication, and other backend services
  - One or more **.sql migration files** used to set up your database schema in Supabase
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## Setup Instructions

### Step 1: Install Required Tools

#### A. Install Node.js and npm

Node.js and npm are essential tools for running your React frontend. Download and install the latest LTS version from: <https://nodejs.org>

After installation, confirm they are installed correctly:

```
node -v
```

```
npm -v
```

#### B. Install the Supabase CLI

The Supabase CLI helps you manage your Supabase project directly from the terminal — for linking, migrating, and more.

To install it globally on your system, run:

```
npm install -g supabase
```

## Step 2: Extract the Project Files

If your project is delivered as a .zip file, extract it and navigate into the project directory:

```
unzip project.zip -d myproject
```

```
cd myproject/project
```

## Step 3: Install Project Dependencies

Install all necessary npm packages using:

```
npm install
```

This command installs everything listed in package.json, including React and Supabase libraries.

## Step 4: Configure Environment Variables

Create a .env file at the root of your project (if it doesn't exist) and add the following:

```
VITE_SUPABASE_URL=https://your-project-id.supabase.co
```

```
VITE_SUPABASE_ANON_KEY=your-anon-key
```

You can retrieve these values from your Supabase Dashboard:

- Go to <https://app.supabase.com>
- Select your project → **Settings** → **DATA API**

## Step 5: Connect the Supabase CLI to Your Project

Log into your Supabase account via the CLI:

```
supabase login
```

Then link your project:

```
supabase link --project-ref your-project-id
```

Your project-id is typically found in your Supabase URL:

```
https://your-project-id.supabase.co
```

**EX:** https://xyzcompany.supabase.co → xyzcompany is your project-id

## Step 6: Apply Database Schema

If your database schema is defined via SQL files inside `supabase/migrations/`, you can apply all migrations using:

```
supabase db push
```

This command will execute all pending SQL migration files and set up your database schema accordingly.

## Step 7: Start the React Development Server

To launch your frontend application, run the following command in your project directory:

```
npm run dev
```

You should see output similar to:

```
Local: http://localhost:3001
```

Open the provided URL in your browser to view the running app.

**Note:** If port 3001 (as specified in `vite.config.js`) is not available, Vite will automatically use another open port and display it in the terminal.

You can change the port manually by editing the `vite.config.js` file:

```
server: {  
  port: 3001, // Change this to any available port, like 3000 or 5173  
}
```

## Setup Complete

You have now successfully configured and linked Supabase backend, your database schema has been successfully applied, and your React frontend is up and running.