

## MERN CRUD App Setup Guide

### Client (Frontend Setup with React + TypeScript + Tailwind CSS)

#### 1. Create Vite App

```
npm create vite@latest
```

- Project name: **Choose a name for your project, e.g., project\_name.**
- Select a framework: **React.**
- Select a variant: **TypeScript.**

#### 2. Install Tailwind CSS with PostCSS and Autoprefixer

```
npm install -D tailwindcss postcss autoprefixer
```

#### 3. Generate Tailwind CSS Configuration Files

```
npx tailwindcss init -p
```

#### 4. Install Axios for HTTP Requests

```
npm install axios
```

#### 5. Run the Development Server

```
npm run dev
```

### Server (Backend Setup with Express, MongoDB, and Nodemon)

#### 1. Initialize Node.js Project

```
npm init -y
```

#### 2. Install Required Dependencies

```
npm install express mongoose cors
```

#### 3. Install Nodemon for Automatic Restarts in Development

```
npm install nodemon --save-dev
```

#### 4. Start the Backend Server with Nodemon

```
nodemon index.js
```

## **In TailwindConfig.js**

```
export default function App() {  
  return (  
    <h1 className="text-3xl font-bold underline">  
      Hello world!  
    </h1>  
  )  
}
```

## **In Index.css**

```
@tailwind base;  
@tailwind components;  
@tailwind utilities;
```