**1. Install Node.js**

* Ensure that you have **Node.js** installed on your system. If you don't have it, download and install the latest LTS version from **Node.js Downloads**.
* Verify the installation by running the following commands in your terminal:

**node -v**

**npm -v**

**2. Create a New Vite Project**

* Open your terminal and run the following command to create a new Vite project using the create-vite template:

**npm create vite@latest my-app --template react**

* Replace my-app with the desired name of your project.
* This command will do the following:
  + Initialize a new Vite project with the React template.
  + Set up the project structure (JavaScript) and install the necessary dependencies.

**3. Navigate to the Project Directory**

* After the project is created, navigate into the project directory:

**cd my-app**

**4. Install Dependencies**

* Inside the project directory, install the required dependencies:

**npm install**

* This will install the React, React DOM, and other necessary libraries for the project.

**5. Start the Development Server**

* Once the dependencies are installed, start the Vite development server with the following command:

**npm run dev**

* By default, this will start the server at **http://localhost:5173** (you can check the exact URL in your terminal output).
* Open the provided URL in your browser to see your Vite-powered React app running.

**6. Editing the App**

* You can now begin editing your app. Open the my-app folder in your preferred code editor (e.g., **VS Code**).
* The main file you will likely work with is src/App.jsx. Any changes you make will be reflected immediately in the browser thanks to Vite's fast hot module replacement (HMR).

**7. Build the Project for Production (Optional)**

* When you're ready to build the app for production, you can run:

**npm run build**

* This will create a dist folder containing optimized, minified static files that can be deployed to a server.

**8. Install required dependencies to run the project**

* npm install react-router-dom