

# Step-by-Step Guide: Setting Up a React App with Vite

## Objective

Create a new React project efficiently using Vite, a fast build tool.

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## Step 1: Ensure Prerequisites Are Installed

- **Node.js and npm:**

Make sure you have Node.js installed. You can check by running:

**node -v**

**npm -v**

If not installed, download and install from <https://nodejs.org/>.

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## Step 2: Create a New React Project Using Vite

Open your terminal or command prompt and run:

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

- my-react-app is the folder name. You can change it.
- --template react sets up a React project template.

**Note:** If prompted to pick a package manager, choose npm or your preferred tool.

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## Step 3: Navigate Into the Project Directory

**cd my-react-app**

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## Step 4: Install Dependencies

**npm install**

This installs all required packages.

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## Step 5: Start the Development Server

Launch your app locally:

```
npm run dev
```

This starts the Vite development server, usually accessible at <http://localhost:3000>.

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## Step 6: Open and Edit Your Project

- Launch your favorite code editor (like VS Code).
  - Open the my-react-app folder.
  - Edit src/App.jsx, src/main.jsx, and other components to build your app.
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## Summary

- **Create** the app using:

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

- **Navigate** into your folder:

```
cd my-react-app
```

- **Install dependencies:**

```
npm install
```

- **Start dev server:**

```
npm run dev
```

Now you're ready to develop your React app with Vite!