

React + Vite Startup Cheat Sheet

Use this to start and work on your TicTacToe project quickly.

One-time Setup (already done)

1. Open project folder in VS Code.
2. `package.json` scripts:

```
{
  "scripts": {
    "dev": "vite",
    "build": "vite build",
    "preview": "vite preview"
  }
}
```

3. **Root** `index.html` (same level as `package.json`):

```
<div id="root"></div>
<script type="module" src="/src/index.jsx"></script>
```

4. Files use JSX: `src/index.jsx`, `src/App.jsx` (or keep `.js` and use `@vitejs/plugin-react`).
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Every Time You Work

1. **Open VS Code** → open the TicTacToe folder.
2. **Open the terminal:** *View* → *Terminal*.
3. Confirm path ends with `...\TicTacToe>`.
4. Start dev server:

```
npm run dev
```

5. Click the URL Vite shows (usually `http://localhost:5173`).
 6. Keep the terminal open. **Edit & Save** files → browser auto-reloads.
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Stopping & Restarting

- Stop server: focus the terminal and press **Ctrl + C**, then `Y` if prompted.
 - Start again later: `npm run dev`.
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Building for Production (optional)

1. Create build:

```
npm run build
```

2. Preview the built site locally:

```
npm run preview
```

Then open the URL Vite prints.

Common Gotchas

- **Blank page or errors about JSX:** Ensure files are `.jsx` or install plugin:

```
npm i -D @vitejs/plugin-react
```

```
vite.config.js:
```

```
import { defineConfig } from 'vite'
import react from '@vitejs/plugin-react'
export default defineConfig({ plugins: [react()] })
```

- **Opened Live Server by accident:** Close it. Use `npm run dev` instead (Vite compiles JSX, Live Server doesn't).
- **Port already in use:** Vite will suggest another URL; or run with:

```
npm run dev -- --port 5174
```

- **Wrong folder:** Terminal path must be the folder with `package.json`.
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File Map (tutorial start)

- `index.html` (root) → mounts `#root` & loads `/src/index.jsx`
 - `src/index.jsx` → creates React root and renders `<App />`
 - `src/App.jsx` → your components (Square/Board/etc.)
 - `src/styles.css` → tutorial styles
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Tip: Keep one VS Code terminal running Vite while you work; open a second terminal tab for extra commands if needed.