

React + Vite Snippets

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Snippets	
Concept	Code Snippet/Prompt
Create a Vite app	<pre>\$ npm create-vite-app@latest</pre>
Preview Vite app locally	<pre>\$ npm run dev</pre>
Install React Router	<pre>\$ npm install react-router-dom</pre>
Starter code (SPA)	<pre>// SRC/MAIN.JSX ===== import React from 'react' import ReactDOM from 'react-dom/client' import App from './App' import './index.css' ReactDOM.createRoot(document.getElementById('root')).render(<React.StrictMode> <App /> </React.StrictMode>) // SRC/APP.JSX ===== function App() { return <h1>Hello World!</h1>; } export default App; // INDEX.HTML ===== <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8" /> <link rel="icon" type="image/svg+xml" href="/vite.svg" /> <meta name="viewport" content="width=device-width, initial-scale=1.0" /> </head> <title>Vite + React</title> <body> <div id="root"></div> <script type="module" src="/src/main.jsx"></script> </body> </html></pre>
Starter code (React Router)	<pre>import React from 'react' import ReactDOM from 'react-dom/client' import { RouterProvider, createBrowserRouter } from "react-router-dom"</pre>

	<pre>import App from './App' import './index.css' const router = createBrowserRouter([{ path: "/", element: <App />, }]) ReactDOM.createRoot(document.getElementById('root')).render(<React.StrictMode> <RouterProvider router={router}/> </React.StrictMode>)</pre>
RootLayout + Outlet (children routes)	<pre>// MAIN.JSX const router = createBrowserRouter([{ path: "/", element: <RootLayout />, children: [{ path: "/", element: <App /> }, { path: "/create-post", element: <NewPost /> },], },]); // ROUTES/ROOTLAYOUT.JSX import { Outlet } from "react-router-dom"; import MainHeader from "../components/MainHeader"; function RootLayout() { return (<> <MainHeader /> <Outlet /> </>); } export default RootLayout;</pre>
Export a component	<pre>export default Post;</pre>
Import a component	<pre>import Post from "../components/Post"</pre>
Defining our own component	<pre>const names = ["Johan", "Tenma"]; function Post() { const chosenName = Math.random() > 0.5 ? names[0] : names[1]; return (<div> <p>{chosenName}</p> </div>); }</pre>

	<pre>export default Post;</pre>
Using components	<pre>import Post from "../components/Post"; function App() { return <Post />; } export default App;</pre>
Event Listener (example: onKeyDown)	<pre>import { useState } from "react"; import classes from './NewPost.module.css'; function NewPost() { const [enteredBody, setEnteredBody] = useState(""); // stateData[0] is current value // stateData[1] is state updating function (re-executes component function) function changeBodyHandler(event) { setEnteredBody(event.target.value) } return (<form className={classes.form}> <p> <label htmlFor="body">Text</label> <textarea id="body" required rows={3} onKeyDown={changeBodyHandler}/> </p> <p>{enteredBody}</p> <p> <label htmlFor="name">Your name</label> <input type="text" id="name" required /> </p> </form>); } export default NewPost;</pre>
Making HTTP requests to an API route (fetch)	<pre>fetch("http://localhost:8080/posts", { method: "POST", body: JSON.stringify(postData), headers: { "Content-Type": "application/json" } })</pre>
<Link>	<p>Does what the anchor tag <a> does, without sending any HTTP request.</p> <p>Example:</p> <pre><Link to="/create-post" className={classes.button}> <MdPostAdd size={18} /> New Post </Link></pre>

