

React + Vite Initial Files:

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"
/>
  <title>Vite + React</title>
</head>

<body>
  <!-- main.jsx and index.html just hooking each other up to one another
-->
  <!-- Everything inside our application is going to render inside this
root div here, inspect in browser and see it has all of our application
inside of it -->
  <div id="root"></div>
  <!-- main.jsx linked -->
  <script type="module" src="/src/main.jsx"></script>
</body>

</html>
```

App.jsx

```
import { useState } from "react";
import reactLogo from "../assets/react.svg";
import viteLogo from "/vite.svg";

function App() {
  const [count, setCount] = useState(0);
```

```

// This component/function is returning jsx
return (
  <>
    <div>
      <a href="https://vitejs.dev" target="_blank">
        <img src={viteLogo} className="logo" alt="Vite logo" />
      </a>
      <a href="https://react.dev" target="_blank">
        <img src={reactLogo} className="logo react" alt="React logo"
      />
    </a>
  </div>
  <h1>Vite + React</h1>
  <div className="card">
    <button onClick={() => setCount((count) => count + 1)}>
      count is {count}
    </button>
    <p>
      Edit <code>src/App.jsx</code> and save to test HMR
    </p>
  </div>
  <p className="read-the-docs">
    Click on the Vite and React logos to learn more
  </p>
</>
);
}

```

/* A function in react as long it starts with capital letter is a component, returning jsx in a function with capital letter that's a component, components used to break down individual parts of our application */

/* In a todo list application we can have components like form, list of items etc. At first we are going to put everything inside one component

```
and we are going to break it up as we see fit based on needs of our
particular application, Delete css and assets to get started */
// Exporting App function component
export default App;
```

Main.jsx

```
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App.jsx";
// get root element and render our app inside
ReactDOM.createRoot(document.getElementById("root")).render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);
```