Initialize Frontend

Now it is time to work on our Frontend. We will be using React and Vite to build this to keep our frontend simple and the default React and Vite template actually gives us a nice Counter button UI to connect with our contract.

You can learn more about how to set up this frontend [here](#) or just follow the instructions below.

With NPM:

npm create vite@latest With Yarn:

yarn create vite With PNPM:

pnpx create vite You can follow the prompts to receive the scaffolding for your React application. You can use any of the package managers of your choice, but to keep things simple we will be using Yarn from this point.

Install the following dependencies:

yarn add @biconomy/account @biconomy/bundler @biconomy/common @biconomy/core-types @biconomy/paymaster @biconomy/web3-auth @biconomy/node-client -S We will use these tools to build out our front end. In addition, lets also install the following devDependencies:

yarn add @esbuild-plugins/node-globals-polyfill rollup-plugin-polyfill-node stream-browserify -D After installing the above dependencies update you vite.config.ts to the following:

import

react

from

"@vitejs/plugin-react" ; import

{ defineConfig }

from

"vite" ; import

{

NodeGlobalsPolyfillPlugin

}

from

"@esbuild-plugins/node-globals-polyfill" ;

export

default

defineConfig ({ plugins :

[react ( )] , optimizeDeps :

{ esbuildOptions :

{ define :

{ global :

"globalThis" , } , plugins :

[NodeGlobalsPolyfillPlugin ({ buffer :

true , }) ,] , } , } , resolve :

{ alias :

{ process :

"process/browser" , stream :

"stream-browserify" , util :

"util" , } , } , })