React JS

Source: Chai Aur Code
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For my connections and me :)

Part 3

Understanding React Flow and Structure

In a **Vite Bundler React App**, the files and folders are as follows:

node Modules – Holds all the dependencies visible in the package.json that shows the various libraries that add functionality to the React App.

public - This will hold and serve all the static files like the CSS, images, etc files.

src - The **source** and the **public** are where most of the time is spent creating projects. Within which is one of the most important files i.e. **main.jsx**.

main.jsx - This is the **entry point** to the React App where everything begins and components are served which are run by the **ReactDOM createRoot** method. This method selects the root ID element from **index.html**.

index.html - The index file is the main file that links the javascript pages without which no JS page can run.

Basic Conventions

In a **Vite Bundler React App**, some of the common basic conventions followed are:

- We don't use **.js** files here we use **.jsx** files.
- The **name of a component** like a function must **begin with a capital**.

Creating and Using a Component

#1.
We first **create a .jsx file** in the src folder of the React App. I have named it Chai.jsx. Also, notice the name begins with a capital letter.

#2.
In this component, we will create a function **Chai** that we will export so that we can use it in the **main.jsx** file.

```
function Chai(){
 return(
 <h1>Creating Chai</h1>
 )
}
export default Chai;
```

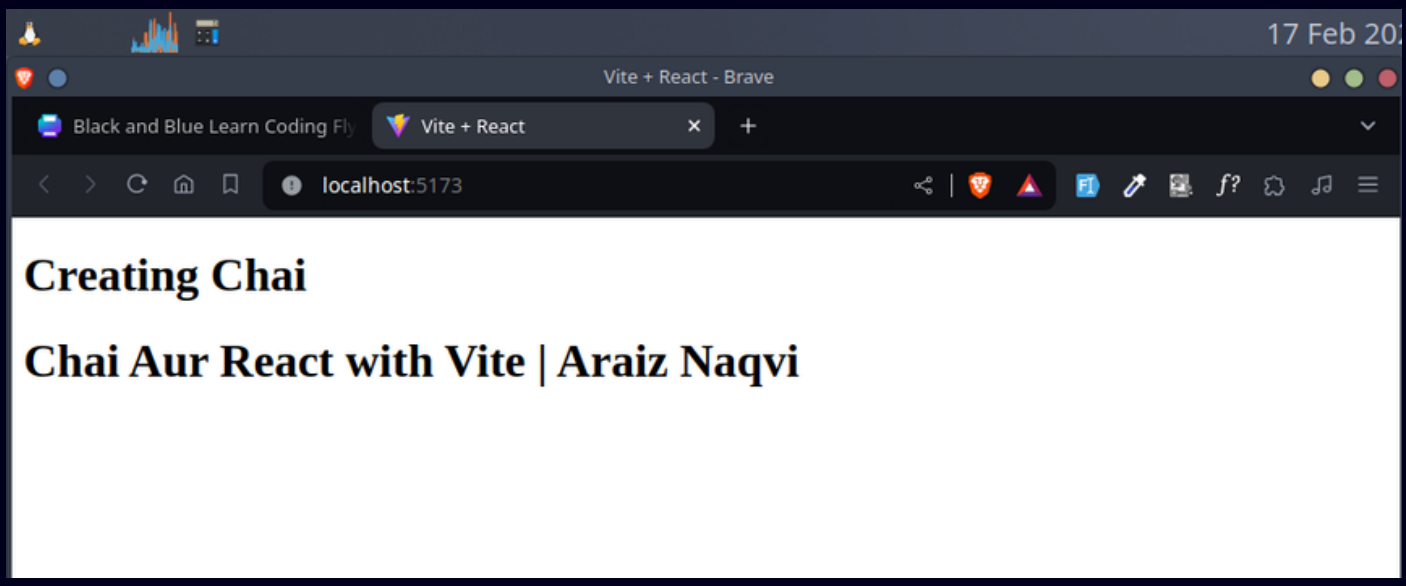
#3.
Using the default component file importing the Chai file and returning it as <Chai/> and notice that we can't simply return multiple elements.
However, we can do the same but need to include all these elements within a common parent element, in this case, we've used <> ... </>.

```
import Chai from './Chai'
function App() {
 return (
 <>
 <Chai/>
 <h1>Chai Aur React with Vite | Araiz
Naqvi</h1>
 </>
 )
}
export default App
```

#4.
Now import the **App** component and use it within the **createRoot render**.

```
import React from 'react'
import ReactDOM from 'react-dom/client'
import App from './App.jsx'

ReactDOM.createRoot(document.getElementB
yId('root')).render(
 <React.StrictMode>
 <App />
 </React.StrictMode>,
)
```



Thanks