

MERN Day - 8 React

① Installing React using vite → SSR → To understand.

```
npm create vite@latest
```

↳ ok to proceed (y)? y

↳ Project Name: sjitfrontend

↳ Package Name: sjitfrontend

↳ Framework: React

↳ variant: JavaScript / JavaScriptSWC

```
cd sjitfrontend ✓  
npm install ✓  
npm run dev ✓
```

React

o to build F.E.

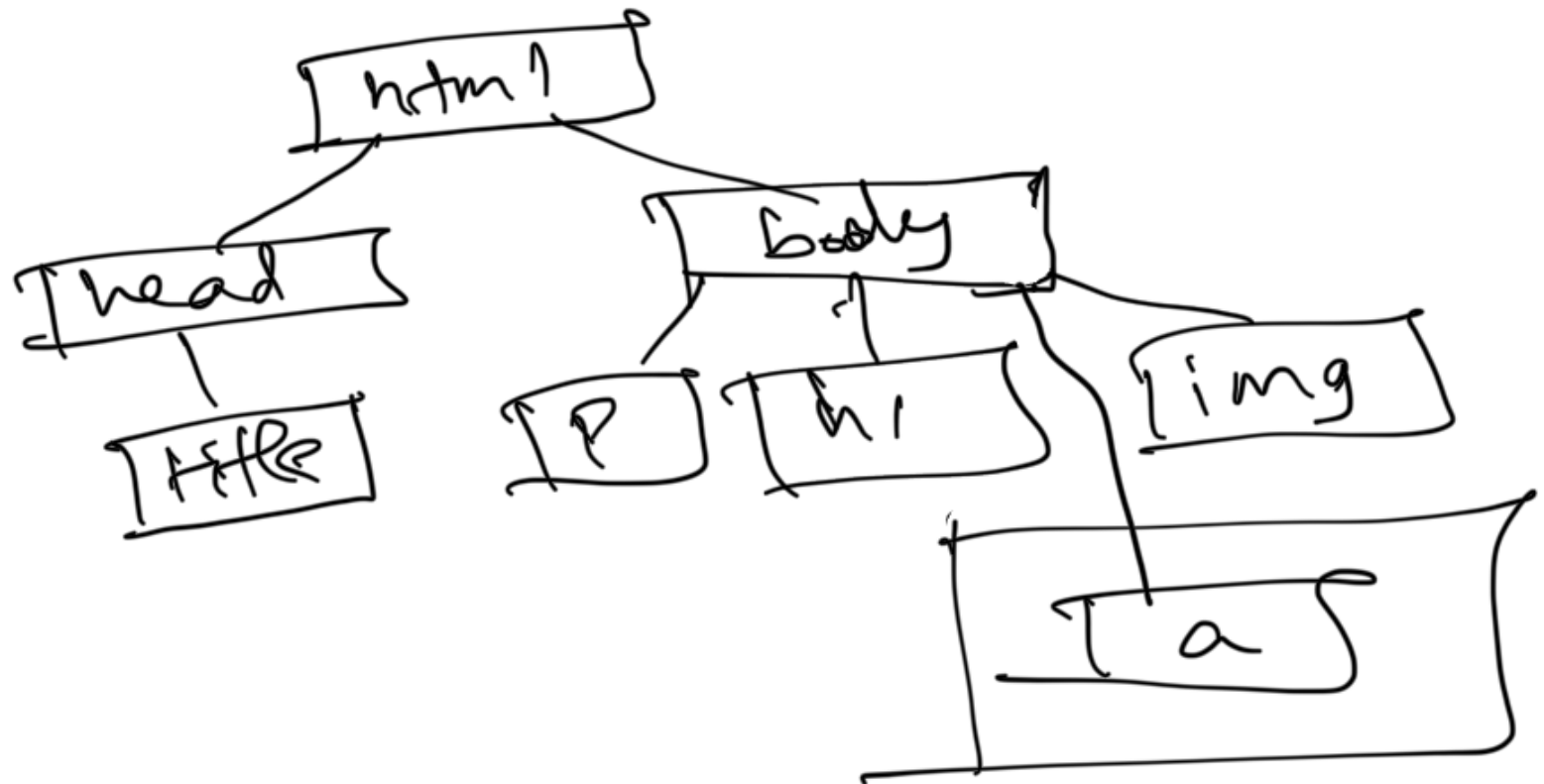
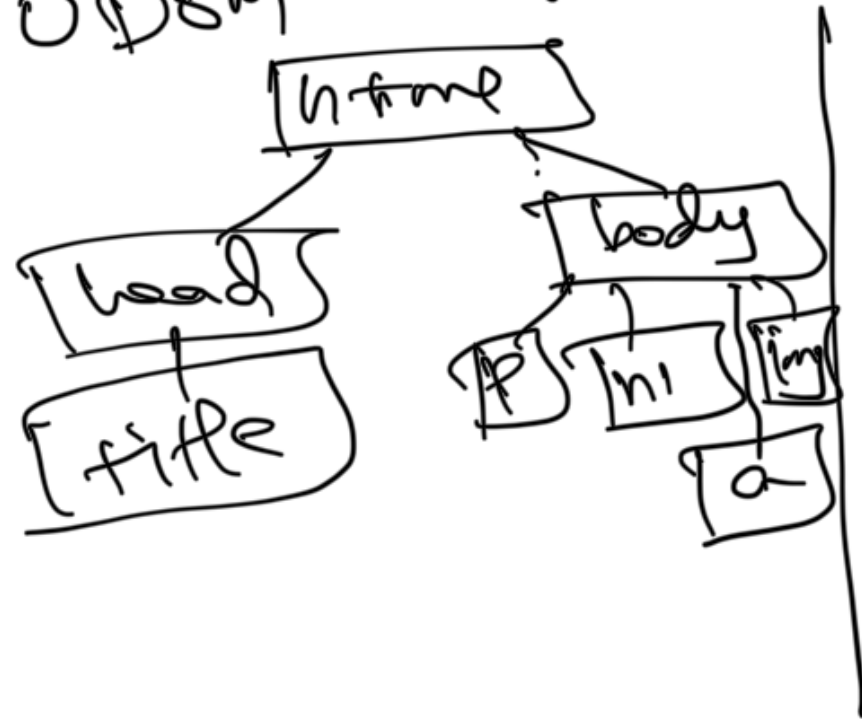
\* React is a library used in SPA applications.

\* React is a SPA applications.  
↳ Single Page Application.

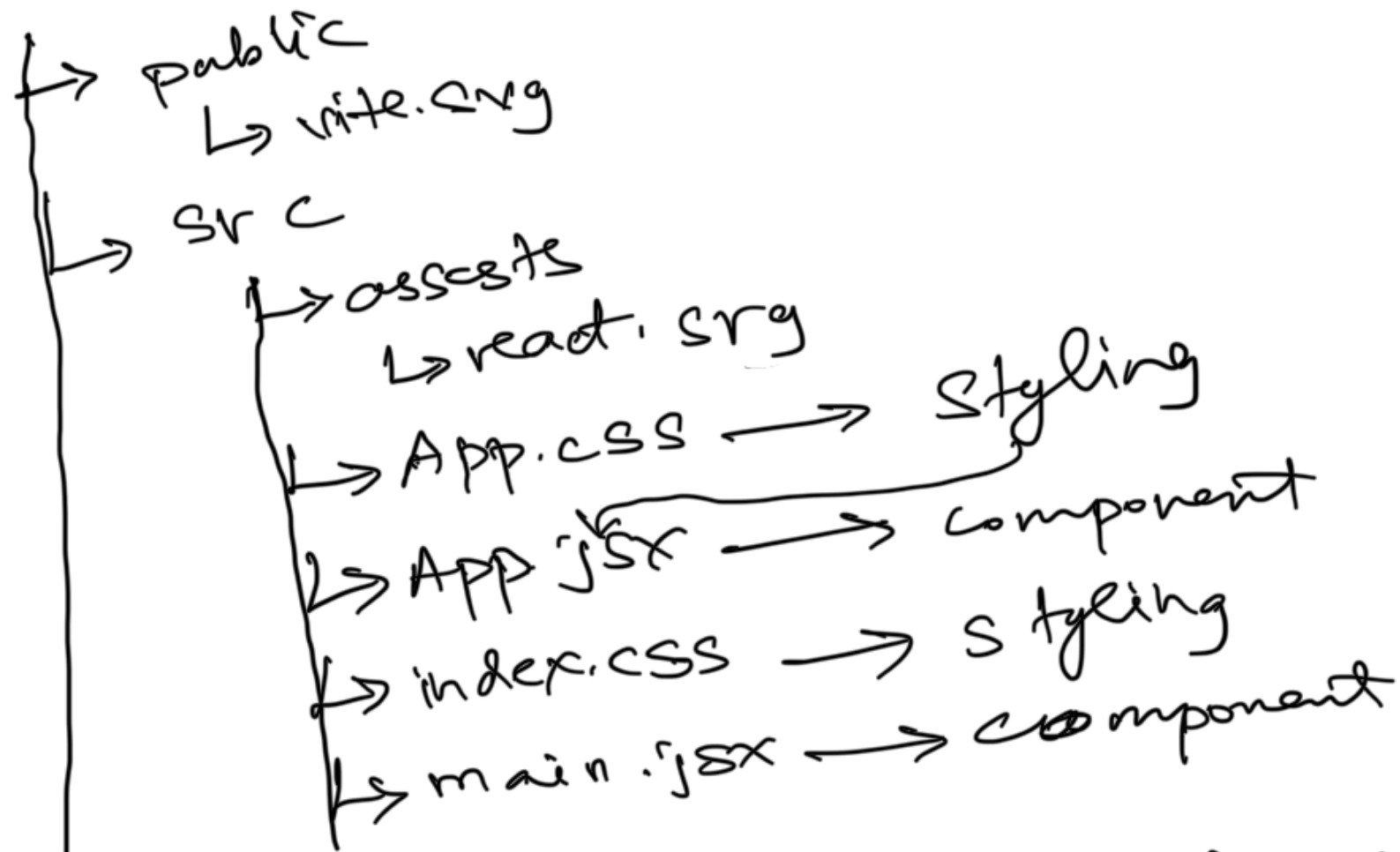
\* React is a component based Architecture

\* Easy to build Applications when compared to Angular / other Frameworks.

\* VDOM → Virtual DOM



Folder structure  
Sjif Frontend → Vite



→ .gitignore → Ignore the contents present in the file

→ index.html → Starting point of your web app

→ package.json → Important file which denotes it is a node project.

→ vite.config.js

npm install

→ node\_modules  
package-lock.json

Install  
All the dependencies  
to your local repo is  
node\_modules folder.

↳ paenug

↳ locking the dependencies.

<h1> Hello World </h1>

import React from 'react'

component {

React.createElement("h1", null, "Hello World");

}

export default component;

JSX → JavaScript XML  
↳ HTML

{ a = 10; } → JS code

JSX code

a = <h1> Hello World </h1>;

Components.

- ↳ Class Component
- ↳ Functional Component

X

It is not in use

Functional Component.

function Home() {

return (<div>

<h1> Welcome to React </h1>

<h2> F.C </h2>

</div>

}

export default Home;

Each and Every component in React should be of Pascal casing.

Pascal casing

component

3 types

↳ normal casing → hello\_world-component

↳ camel casing → helloWorldComponent

↳ Pascal casing → HelloWorldComponent.