

API - Application Protocol Interface

Prerequisites - Install Node.js / NPM

check the version -> `node --version` / `npm --version`

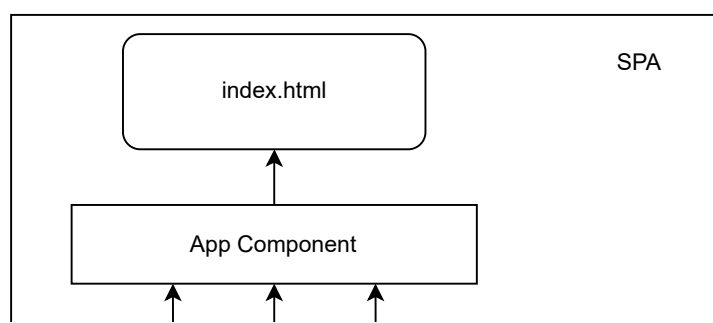
Javascript Syntax  
ES5 vs ES6

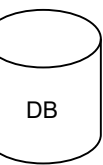
ES6 Features  
let vs var vs const  
this keyword.  
spread & rest operators.  
modules and exports  
Promises & how to handle promises

React install & setup  
React syntax  
React components.

`node --version`  
`npm --version`

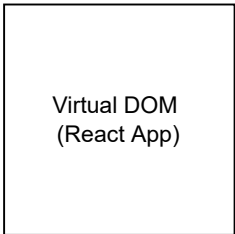
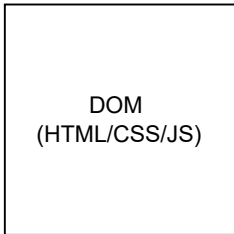
To Start React APP  
`npx create-react-app <app-name>`

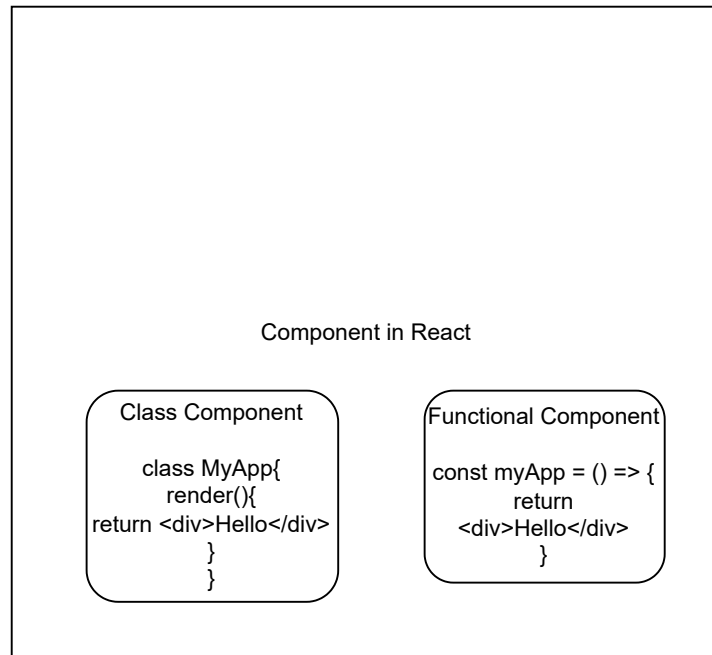
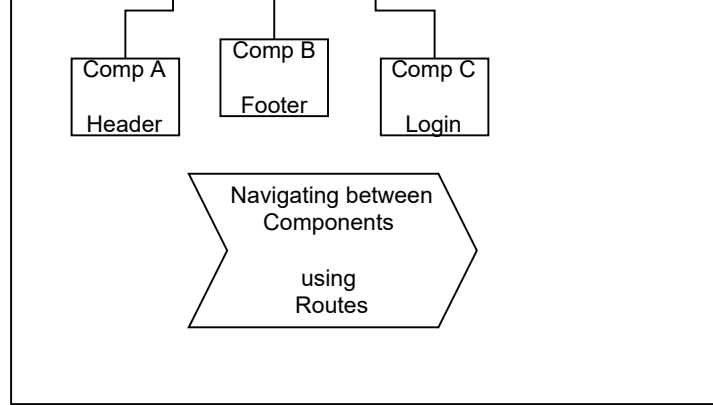




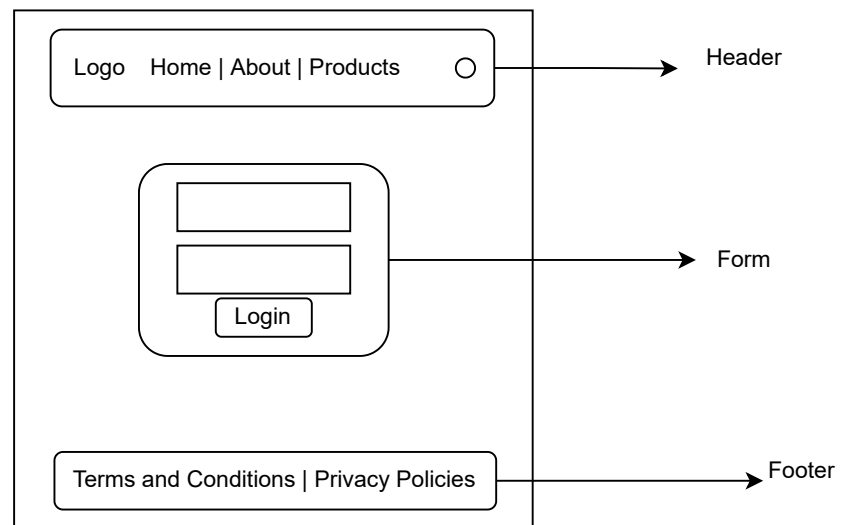
ver, Postgres

3

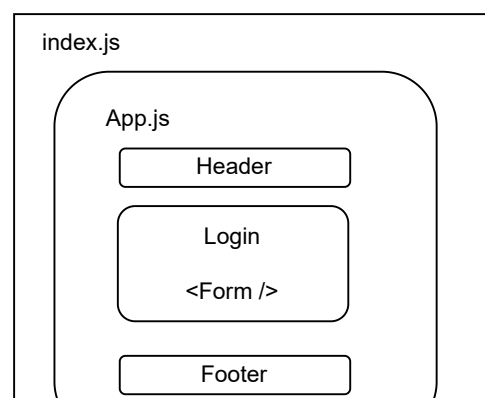




### Using Functional Components



### Parent



Data always go from Parent -> Child





Lifecycle of a component

State

Lifecycle Methods

To use Arrays in component  
usage of keys

Conditional Rendering

Event Handling

onClick  
onChange  
onHover  
onSubmit  
onLoad  
etc.

Lifecycle of a component

**Initialization** -> constructor()

**Mounting**

constructor()  
render()  
componentDidMount()

**Updating**

render()  
componentDidUpdate()

**Unmounting**

render()  
componentWillUnmount()  
componentDidUpdate()

Variable -> that holds a value

State variable => that holds a value and the  
value will be changed only by the function

Class Component

Stateful Component

Props vs State

React Hooks

useState  
useEffect

Functional Component

Stateless component

State can be used in FC  
using Hooks  
eg. useState

### **ClassComponent**

constructor()

render()

componentDidMount()

componentDidUpdate()

componentWillUnmount()

### **Functional Component**

**useEffect();**

Type #1

useEffect(() => {

});

Type #2

useEffect(() => {

}, [])

Type #3

useEffect(() => {

}, [counter])

Type #4

useEffect(()=> {

return ();

}, [])

To push the code in GIT

git init (only first time)

git add .  
git commit -m "commit message"  
git push