# *Install react in vscode:*

1. React install using vite : **npm create vite@latest**
2. Project name: **.**  (**dot for no extra folder** ) / ~~name will create a folder~~
3. Select a framework : **react => java script**
4. Install npm : **npm i**
5. Run file : **npm run dev**
6. Run local host : **o + enter**

***Install tailwind with react in vscode:***

1. Stop terminal : ctrl + c => y
2. Clear all in : app.css + index.css + public + assets
3. Clear in app.jsx : vite logo + react logo + return
4. Install tailwind in terminal : npm install -D tailwindcss postcss autoprefixer
5. Install tailwind npm in terminal : npx tailwindcss init -p
6. Paste in tailwind.config.js :

/\*\* @type {import('tailwindcss').Config} \*/

export default {

  content: ["./index.html", "./src/\*\*/\*.{js,ts,jsx,tsx}"],

  theme: {

    extend: {},

  },

  plugins: [],

};

1. Paste in index.css :

@tailwind base;

@tailwind components;

@tailwind utilities;

1. Start terminal : npm run dev

***Install react router dom in vscode:***

1. Stop terminal : ctrl + c => y
2. Install router in terminal : npm i react-router-dom
3. Paste in app.jsx :

import { useState } from "react";

import "./App.css";

import {

  createRoutesFromElements,

  createBrowserRouter,

  Route,

} from "react-router-dom";

import RootLayout from "./component/RootLayout";

const router = createBrowserRouter(

  createRoutesFromElements(

    <Route path="/" element={<RootLayout />}>

      <Route index ></Route>

      <Route ></Route>

    </Route>

  )

);

1. Create RootLayout.jsx in component
2. Create <outlet/> with import in RootLayout.jsx >> return
3. Create index & element in route with import: index element={</Home/>}
4. Create path & element in route with import: path=”/……..” element={<………./>}
5. Create route in app.jsx >> return : <RouterProvider router={router}/>
6. Add navbar & footer in RootLayout with import
7. Add link where needed : <Link to=”/………..”> ………. </Link>

# *Create container in react :*

1. Create **container.jsx** in layout > component folder
2. Add **className** with bracket & backtick sign : ***{`………….`}***
3. Add **children** element in div : ***{ children } \*\*Case sensitive\*\****
4. Add **children** with bracket in **function parameter** : ***( { children , ……})***
5. Add className variable in className : ***${className} \*\*Case sensitive\*\****
6. Add **className** with bracket in **function parameter** : ***( { children , className})***

import React from "react";

const Container = ({ children, className }) => {

  return (

    <div className={`max-w-[1600px] mx-auto ${className} `}>

      {children}

      </div>

  );

};

export default Container;

# *Create Li tag in react:*

1. create ***Li.jsx*** in **layer > component**
2. change **div** element to **li** : ***<div>*** >>>>> ***<li>***
3. add ***<Link>*** double tag in li : ***<Link> ……. </Link>***
4. Add **liText** element in div : ***{ liText }***
5. Add **liText** with bracket in **function parameter** : ***( {* liText *, ……} )***
6. Add className variable in className : ***${className} \*\*Case sensitive\*\****
7. Add **className** with bracket in **function parameter** : ***( {* liText *, className} )***

# *Create image tag in react:*

1. create **Image.jsx** in **layer > component**
2. add **Link** and **clear div**
3. Add **picture** tag in Link : <Picture> …….. < /Picture>
4. Add **img** tag in ***Picture*** : <img> …….. < /img>
5. Add **props** in **to , src , alt** : ***to={href} , src={src} , alt={alt}***
6. Add **parameter** with **bracket** in **function parameter** : ***( { href , src , alt} )***
   1. import React from "react";
   2. import { Link } from "react-router-dom";
   3. const Image = ({href , src , alt}) => {
   4. return (
   5. <Link to={href}>
   6. <picture>
   7. <img src={src} alt={alt}/>
   8. </picture>
   9. </Link>
   10. );
   11. };
   12. export default Image;
7. add path in href: ***href=’/…..’***
8. Add value in src in **bracket**: ***src= {…….}***
9. Import file for img : ***import …~~(name)~~……… from “ ../../public/……….”***
10. Add ***~~(name)~~*** in src

# *Create toggle function in react:*

1. Create a ***let*** variable : ***let***
2. Add ***show , setShow*** inside bracket : ***[ show , setShow ]***
3. Add equal ***=*** sign then ***useState***  with bracket ***( )***: ***= useState( )***
4. Add ***false*** value in ***useState*** : ***useState( false )***
5. Add on ***show*** in bracket ***{ }*** : ***{ show &&( ………….) }***
6. Add ***onClick*** with ***brackets*** & ***arrow*** ***function*** : ***onClick { ( ) => ……. }***
7. Add setShow value : ***onClick { ( ) => setShow ( !show ) }***