**Assignment-8**

**MODULE: 12 React Router**

1. **Create React app with modules and lazy loading (Admin-user module with child Router and outlet)**

* Input:
* index.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

<link rel="icon" href="%PUBLIC\_URL%/favicon.ico" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<meta name="theme-color" content="#000000" />

<link

href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"

rel="stylesheet"

/>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

<title>React App</title>

</head>

<body>

<div id="root"></div>

</body>

</html>

* admin.jsx

import React, { useEffect, useState } from "react";

function Admin() {

useEffect(() => {

//alert("Import");

});

return (

<>

<table class="table table-hover">

<thead>

<tr>

<th>Firstname</th>

<th>Lastname</th>

<th>Email</th>

</tr>

</thead>

<tbody>

<tr>

<td>Default</td>

<td>Defaultson</td>

<td>def@somemail.com</td>

</tr>

<tr class="table-primary">

<td>Primary</td>

<td>Joe</td>

<td>joe@example.com</td>

</tr>

<tr class="table-success">

<td>Success</td>

<td>Doe</td>

<td>john@example.com</td>

</tr>

<tr class="table-danger">

<td>Danger</td>

<td>Moe</td>

<td>mary@example.com</td>

</tr>

<tr class="table-info">

<td>Info</td>

<td>Dooley</td>

<td>july@example.com</td>

</tr>

<tr class="table-warning">

<td>Warning</td>

<td>Refs</td>

<td>bo@example.com</td>

</tr>

<tr class="table-active">

<td>Active</td>

<td>Activeson</td>

<td>act@example.com</td>

</tr>

<tr class="table-secondary">

<td>Secondary</td>

<td>Secondson</td>

<td>sec@example.com</td>

</tr>

<tr class="table-light">

<td>Light</td>

<td>Angie</td>

<td>angie@example.com</td>

</tr>

<tr class="table-dark">

<td>Dark</td>

<td>Bo</td>

<td>bo@example.com</td>

</tr>

</tbody>

</table>

</>

);

}

export default Admin;

* main\_lazy.html

import React, { lazy, Suspense } from "react";

import Admin from "./Admin";

const User = lazy(() => import("./User"));

function Main\_Lazy() {

return (

<div>

<nav class="navbar navbar-expand-sm bg-danger navbar-dark">

<div class="container-fluid">

<ul class="navbar-nav">

<a className="navbar-brand" href="#">

<img

src="https://i.pinimg.com/736x/0d/cf/b5/0dcfb548989afdf22afff75e2a46a508.jpg"

alt=""

style={{ width: 40 }}

className="rounded-pill"

/>

</a>

<li class="nav-item">

<a class="nav-link active" href="#">

Home

</a>

</li>

<li class="nav-item">

<a class="nav-link" href="#">

About

</a>

</li>

<li class="nav-item">

<a class="nav-link" href="#">

Contact

</a>

</li>

</ul>

<form className="d-flex">

<input

className="form-control me-2"

type="text"

placeholder="Search"

/>

<button className="btn btn-primary" type="button">

Search

</button>

</form>

</div>

</nav>

<Admin />

<Suspense fallback={<div class="spinner-border text-success"></div>}>

<User />

</Suspense>

</div>

);

}

export default Main\_Lazy;

* user.jsx

import React, { useEffect, useState } from "react";

import axios from "axios";

function User() {

useEffect(() => {

fetch();

}, []);

const [data, setData] = useState([]);

const fetch = async () => {

const res = await axios.get(`https://jsonplaceholder.typicode.com/photos`);

//console.log(res.data);

setData(res.data);

};

return (

<div className="row">

<div className="col-md-12">

{/\* Kitchen Sink \*/}

<div className="panel panel-default">

<div className="panel-body">

<div className="row">

{data.map((value, index) => {

return (

<div value={index} className="col-md-3">

<div class="card" style={{ width: "100%" }}>

<img

className="card-img-top"

src={value.url}

alt="Card image"

style={{ width: "100%" }}

/>

<div className="card-body">

<p className="card-text">{value.title}</p>

<a href="#" className="btn btn-primary">

See Profile

</a>

</div>

</div>

</div>

);

})}

</div>

</div>

</div>

{/\* End Kitchen Sink \*/}

</div>

</div>

);

}

export default User;

* App.js

import React from 'react'

import Main\_Lazy from './React-Router/Main\_Lazy'

function App() {

return (

<>

<Main\_Lazy/>

</>

)

}

export default App

* Output:

