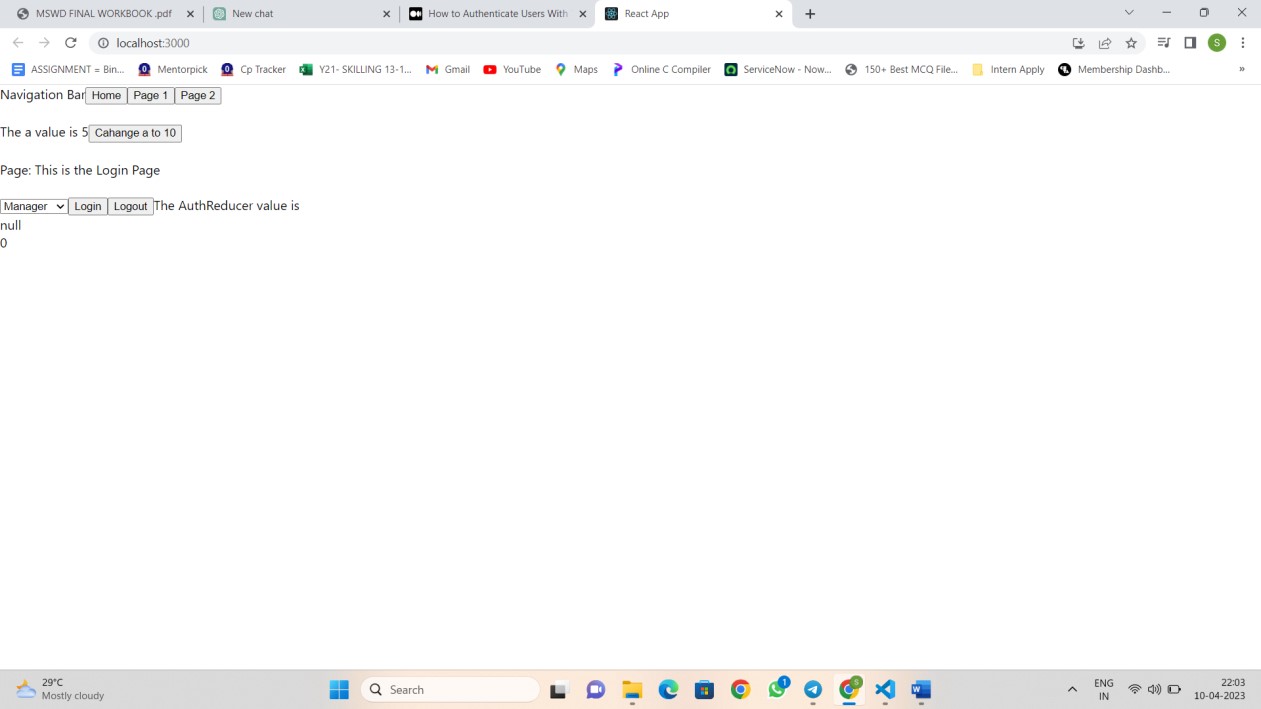
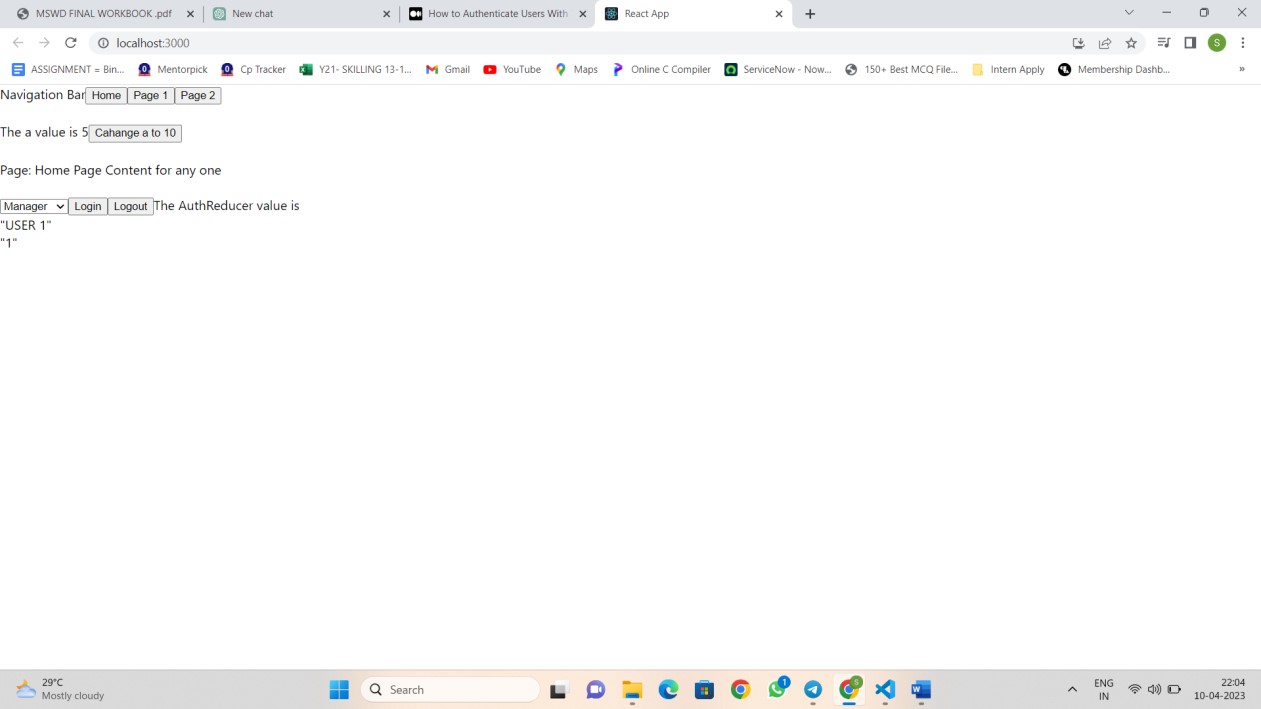
**SKILL-12**

**Id: 2100030923**

**Name: K V N K D Sai Chandana**

**Output:**





**APP.js:**

// import {useState} from "react";

// import axios from 'axios';

// function App({store}) {

// const [a,setA]=useState(5);

// function changeA()

// {

// setA(10);

// console.log(a);

// }

// function loginHandle() {

// axios.post('http://localhost:8082/login',{

// un: "USER 1",

// pw: "PASS 1"

// }).then((response)=>{

// console.log(response);

// localStorage.setItem("token", response.data.token);

// console.log(localStorage.getItem("token"));

// });

// store.dispatch({type: "login", data:{un:"USER 1", role:document.getElementById("role").value}});

// store.dispatch({type:"change", data:"Home Page Content For AnyOne"})

// }

// function logoutHandle() {

// store.dispatch({type: "logout"});

// store.dispatch({type:"change", data:"This is the Login page"})

// }

// function homeHandle() {

// if(store.getState().AuthReducer[1] ==1 || store.getState().AuthReducer[1] == 2)

// {

// store.dispatch({type:"change", data:"Home Page Content For AnyOne"})

// }

// else

// {

// store.dispatch({type:"change", data:"Error Page"})

// }

// }

// function page1Handle() {

// if(store.getState().AuthReducer[1] ==1 ||

|  |
| --- |
| store.getState().AuthReducer[1] == 2)  // {  // store.dispatch({type:"change", data:"Page1 Content For Manager and  Employee"})  // }  // else  // {  // store.dispatch({type:"change", data:"Error Page"})  // }  // }    // function page2Handle() {  // if(store.getState().AuthReducer[1] == 1) // {  // store.dispatch({type:"change", data:"Page2 For Manager Only"})  // }  // else  // {  // store.dispatch({type:"change", data:"Error Page"})  // }  // }    // return(  // <div>    // Navigation Bar  // <button onClick={homeHandle}> Home </button>  // <button onClick={page1Handle}> Page1 </button> // <button onClick={page2Handle}> Page2 </button>  // <br/>  // <br/>    // The a Value is: {a}  // <button onClick={changeA}> Change a to 10</button>  // <br/>  // <br/>    // Page: {store.getState().NavReducer}    // <br/>  // <br/>    // {/\* total select is an element \*/}  // <select id="role">  // {/\* <option value={0}>Select</option> \*/}  // <option value={1}>Manager</option> |

|  |
| --- |
| // <option value={2}>Employee</option>  // </select>    // <button onClick={loginHandle}> Login </button>  // <button onClick={logoutHandle}> Logout </button>  // The AuthReducer value is {store.getState().AuthReducer.map(p => ( // <div>  // {JSON.stringify(p)}  // </div>  // ))}    // </div>  // );  // }    // export default App;    // //JWT and bcrypt  import axios from "axios"; import { useState } from "react";  function App ({store}) {  const [a, setA] = useState(5);  function changeA() { setA(10); console.log(a);  }  function loginHandle() { axios.post('http://localhost:8082/login', { un: "USER 1", pw: "PASS 1" }).then((res)=> { console.log(res) localStorage.setItem("token", res.data.token); console.log(localStorage.getItem("token"));  })  store.dispatch({type:"login", data:{un:"USER 1", role:document.getElementById("role").value}}) store.dispatch({type:"change", data:"Home Page Content for any one"}) } function logoutHandle() { store.dispatch({type:"logout"}) |

store.dispatch({type:"change", data:"This is the Login Page"})

|  |
| --- |
| } function homeHandle() { if(store.getState().AuthReducer[1] == 1 || store.getState().AuthReducer[1] == 2) { store.dispatch({type:"change", data:"Home Page Content for any one"}) } else { store.dispatch({type:"change", data:"Error Page"}) }  } function page1Handle() { if(store.getState().AuthReducer[1] == 1 || store.getState().AuthReducer[1] == 2) {  store.dispatch({type:"change", data:"Page 1 for Manager and  Employee"}) } else { store.dispatch({type:"change", data:"Error Page"})  }  } function page2Handle() { if(store.getState().AuthReducer[1] == 1) { store.dispatch({type:"change", data:"Page 2 for Manager Only"})  } else { store.dispatch({type:"change", data:"Error Page"})  }  }  return (  <div>  Navigation Bar  <button onClick={homeHandle}> Home </button>  <button onClick={page1Handle}> Page 1 </button>  <button onClick={page2Handle}> Page 2 </button>  <br/>  <br/>    The a value is {a}  <button onClick={changeA}>Cahange a to 10</button> |

<br/>

<br/>

Page: {store.getState().NavReducer}

|  |
| --- |
| <br/>  <br/>    <select id="role">  <option value={1}>Manager</option>  <option value={2}>Employee</option>  </select>  <button onClick={loginHandle}> Login </button>  <button onClick={logoutHandle}> Logout </button>  The AuthReducer value is {store.getState().AuthReducer.map(p => ( <div>  {JSON.stringify(p)}  </div>  ))}    </div>  );  } export default App |

**Server.js:**

// const express = require('express')

// const cors = require('cors')

// const bcryptjs = require('bcryptjs');

// const jwt = require('jsonwebtoken')

// // const { MongoClient } = require('mongodb')

// // const { request, response } = require('express')

// const app = express()

// app.use(cors()) // cros orgin resourse sharing

// app.use(express.json())

// // const uri =

"mongodb+srv://admin:rocky9886@cluster0.nczlwja.mongodb.net/?retryWrites=true& w=majority"

// // const client = new MongoClient(uri)

// // client.connect()

// // var db = client.db("ex5")

// // var col = db.collection("c207")

// var key="dhiuldh";

// var algorithm=""

|  |
| --- |
| // app.get('/',(req,res) => {  // res.send("This is server page");  // })    // app.post('/login', async (req,res) => { //npm i bcryptjs ----> to encrypt data  // console.log(req.body);  // var pw = null;  // var pass\_check=false;  // var token= null;    // await bcryptjs.hash("PASS 1", 5).then(response => {  // console.log(response);  // pw = response;  // })  // console.log(pw);  // token =await jwt.sign(req.body, key, {  // algorithm: algorithm,  // expiresIn: '2m'  // })  // bcryptjs.compare(req.body.pw, pw).then(res => {  // pass\_check=res;  // })  // if(req.body.un == "USER 1" && pass\_check == true)  // {  // res.status(200).json({  // message: "Sucessfull",  // token: token  // });  // }  // else{  // res.status(401).json({  // message: "Failed"  // });  // }  // })    // app.listen(8082)  // console.log("server started")    const express = require('express'); const cors = require('cors'); const bcryptjs = require('bcryptjs') const jwt = require('jsonwebtoken'); |

const app = express(); app.use(express.json());

|  |
| --- |
| app.use(cors());  var key = "dhiuldh"; var algorithm = "HS256";  app.get('/',(req, res) => { res.send("This is a Server Page");  }) app.post('/login', async (req, res) => { console.log(req.body); var pw = null; var pass\_check = false; var token = null; await bcryptjs.hash("PASS 1", 5).then(res => { pw = res;  }) console.log(pw); await bcryptjs.compare(req.body.pw, pw).then(res => { pass\_check = res;  }) console.log(pass\_check); token = await jwt.sign(req.body, key, { algorithm: algorithm, expiresIn: '2m'  }) if(req.body.un == "USER 1" && pass\_check == true) { res.status(200).json({ message: "success", token: token  }); } else { res.status(401).json({ message: "fail"  });  }  }) app.listen(8082); console.log("Server Started"); |