6.1 CODE

App.js:

import './App.css';

import Home from './Home';

import ChatPage from "./ChatPage";

import {BrowserRouter as Router,Routes,Route} from "react-router-dom"; import { useState } from 'react';

import Login from "./Login"; import {auth} from "./firebase"; function App() {

const[user,setUser] = useState(JSON.parse(localStorage.getItem('user'))); const signOut =()=>{

auth.signOut()

.then(()=>{ setUser(null);

localStorage.removeItem("user");

})

.catch((err) => alert(err.message));

};

return (

<Router>

<div className="App">

{

user?(

<Routes>

<Route path='/' element={<Home currentUser={user} signOut={signOut}/>}/>

<Route path='/:emailID' element={<ChatPage currentUser={user} signOut={signOut}/>}/>

</Routes>) :

( <Login setUser={setUser}/> )

}

</div>

</Router>

);

}

export default App;

Login.js:

import React from 'react'; import './Login.css';

import db, {auth,googleProvider} from "./firebase"; import {useNavigate} from "react-router-dom"; function Login({setUser}) {

const navigate = useNavigate(); const signInWithGoogle = () =>{

auth.signInWithPopup(googleProvider)

.then((result)=>{ const newUser = {

fullname : result.user.displayName, email : result.user.email,

photoURL : result.user.photoURL,

};

navigate("/"); setUser(newUser);

localStorage.setItem("user",JSON.stringify(newUser)); db.collection('users').doc(result.user.email).set(newUser);

})

.catch((err)=> alert(err.message));

};

return (

<div className="login">

<div className="login-container">

<img className="login-logo" src="./logo.jpg" alt=""/>

<p className="login-name"> "LET'S MAKE EXPERIENCE BETTER"</p>

<button className="login-btn" onClick={signInWithGoogle}>

<img src='./google-logo.png'/> Login with google

</button>

</div>

</div>

)

}

ChatPage.js:

Home.js:

Sidebar.js:

import React ,{useState,useEffect}from 'react' import UserProfile from './UserProfile';

import TollIcon from '@mui/icons-material/Toll';

import InsertCommentIcon from '@mui/icons-material/InsertComment'; import LogoutIcon from '@mui/icons-material/Logout';

import SearchIcon from '@mui/icons-material/Search'; import './Sidebar.css';

import db from './firebase';

function Sidebar({currentUser,signOut}) { const[allUsers, setAllUsers] = useState([]); const[searchInput,setSearchInput] =useState(''); const[friendList,setFriendList] = useState([]); useEffect(()=> {

const getAllUsers = async () =>{

const data = await db.collection('users').onSnapshot(snapshot =>{ setAllUsers(snapshot.docs.filter((doc) => doc.data().email !== currentUser?.email)

);

});

};

const getFriends = async()=>{ const data = await db

.collection("FriendList")

.doc(currentUser.email)

.collection("list")

.onSnapshot((snapshot)=>{ setFriendList(snapshot.docs);

});

};

getAllUsers(); getFriends();

},[]);

const searchedUser = allUsers.filter((user)=>{ if (searchInput){

if(user.data().fullname.toLowerCase().includes(searchInput. toLowerCase())

){

return user;

}

}

});

const searchItem = searchedUser.map((user)=>{ return(

<UserProfile name={user.data().fullname} photoURL={user.data(). photoURL}

key={user.id} email={user.data().email}

/>

);

});

return (

<div className='sidebar'>

<div className='sidebar-header'>

<div className='sidebar-header-img' >

<img src={currentUser?.photoURL} alt=""/>

</div>

<div className='sidebar-header-btn'>

<TollIcon/>

<InsertCommentIcon/>

<LogoutIcon onClick={signOut} />

</div>

</div>

<div className="sidebar-search">

<div className="sidebar-search-input">

<SearchIcon/>

<input type="text" name ="search" placeholder="Search..." value={searchInput} onChange={(e) => setSearchInput(e.target.value)}/>

</div>

</div>

<div className='sidebar-chat-list'>

{

searchItem.length > 0 ? ( searchItem

) :(

friendList.map((friend)=> <UserProfile name={friend.data().fullname} photoURL={friend.data().photoURL} lastMessage={friend.data().lastMessage}

email={friend.data().email}

/>

)

)

}

</div>

App.css:

Login.css:

.login{

display: flex;

flex-direction: column; height: 100vh;

background-color: rgb(240,240,240); position: relative;

z-index: 100; overflow: hidden;

}

.login::before{ width: 100vw; height: 222px;

background-color: #102b7bc9; position: absolute;

top: 0; content: "";

}

.login-container{

background-color:#6178bcc9; width: 400px;

margin: auto; height: 400px; display: flex;

align-items: center; justify-content: center; flex-direction: column; border-radius: 8px;

box-shadow: 0 17px 50px 0 rgb(0 0 0 / 19%),

0 12px 15px 0 rgb(0 0 0 / 24%);

z-index: 100;

}

.login-logo{ width: 150px; height: 150px;

margin-bottom: 20px; border-radius: 8px;

}

ChatPage.css:

width: 100vw; height: 222px;

background-color: #102b7bc9; position: absolute;

top: 0; content: "";

}

.login-container{

background-color:#6178bcc9; width: 400px;

margin: auto; height: 400px; display: flex;

align-items: center; justify-content: center; flex-direction: column; border-radius: 8px;

box-shadow: 0 17px 50px 0 rgb(0 0 0 / 19%),

0 12px 15px 0 rgb(0 0 0 / 24%);

z-index: 100;

}

.login-logo{ width: 150px; height: 150px;

margin-bottom: 20px; border-radius: 8px;

}

.login-name{

font-size: 17px; font-weight: 500;

margin-bottom: 20px; font-family: fantasy; color: #102b7bc9;

}

.login-btn{ display: flex;

align-items: center; height: 40px; width: 200px;

justify-content: center; border: none;

outline: none;

background-color: #102b7bc9; color: #fff;

font-size: 15px; border-radius: 5px;

Home.css:

Sidebar.css:

display: flex;

align-items: center;

justify-content: space-evenly; width: 150px;

color: #51585c;

}

.sidebar-header-btn > .MuiSvgIcon-root{ font-size: 23px;

color: white;

}

.sidebar-search{ height: 60px; display: flex;

align-items: center; justify-content: center;

background-color: #f6f6f6;

}

.sidebar-search-input{ width: 90%;

display: flex;

align-items: center; height: 30px;

background-color: #102b7bc9; border: 1px solid lightgrey; border-radius: 10px;

}

.sidebar-search-input > .MuiSvgIcon-root{ font-size: 18px;

color:white; margin-left: 10px;

}

.sidebar-search-input > input{ background-color: transparent; border: none;

outline: none; margin-left: 6px; margin-bottom: 2px; width: 80%;

color: white;

}

.sidebar-chat-list{ flex: 1;

display: flex;

flex-direction: column; overflow-y: scroll; }