**Server.js**

const express = require('express');

const mongoose = require('mongoose');

const bcrypt = require('bcryptjs');

const cors = require('cors');

const app = express();

app.use(cors());

app.use(express.json());

mongoose.connect('mongodb://127.0.0.1:27017/User');

const UserSchema = new mongoose.Schema({ username: String, password: String,});

const User = mongoose.model('User', UserSchema);

app.post('/api/signup', async (req, res) => {

try {

const { username, password } = req.body;

console.log("Usename is"+req.body.username);

const hashedPassword = await bcrypt.hash(password, 10);

const newUser = new User({ username, password: hashedPassword });

await newUser.save();

res.status(201).json({ message: 'User signed up successfully.' });

} catch (error) {

res.status(500).json({ error: 'An error occurred.' });

}

});

app.post('/api/login', async (req, res) => {

try {

const { username, password } = req.body;

const user = await User.findOne({ username });

if (!user) {

return res.status(401).json({ error: 'User not found.' });

}

const passwordMatch = await bcrypt.compare(password, user.password);

if (!passwordMatch) {

return res.status(401).json({ error: 'Invalid password.' });

}

res.json({ message: 'Login successful.' });

} catch (error) {

res.status(500).json({ error: 'Aa error aave che.' });

}

});

const PORT = process.env.PORT || 5000;

app.listen(PORT, () => {

console.log(`Server is running on port ${PORT}`);

});

**Signup.js**

import React, { useState } from 'react';

import axios from 'axios';

function Signup2() {

const [username, setUsername] = useState('');

const [password, setpassword] = useState('');

const handleSignup = async (e) => {

e.preventDefault();

try {

await axios.post('http://localhost:5000/api/signup', {

username,

password

});

alert('User signed up successfully.');

setUsername('');

setpassword('');

}

catch (error) {

alert('An error occurred.');

}

};

return (

<div >

<h1>Sign Up</h1>

<form onSubmit={handleSignup} method='post'>

<label >Name</label>

<input

type="text"

value={username}

required

onChange={(e) => setUsername(e.target.value)}

/>

<label>Password</label>

<input

type="password"

value={password}

required

onChange={(e) => setpassword(e.target.value)}

/>

<button type="submit">Sign Up</button>

</form>

</div>

);

}

export default Signup2;

**Login.js**

import React, { useState } from 'react';

import axios from 'axios';

function Login() {

const [username, setUsername] = useState('');

const [password, setpassword] = useState('');

const handleLogin = async (e) => {

e.preventDefault();

try {

await axios.post('http://localhost:5000/api/login', {

username,

password

});

alert('User Log in successfully.');

setUsername('');

setpassword('');

}

catch (error) {

alert('Log in Failed.');

}

};

return (

<div >

<h1>Login</h1>

<form onSubmit={handleLogin} method='post'>

<label >Name</label>

<input

type="text"

value={username}

required

onChange={(e) => setUsername(e.target.value)}

/>

<label>Password</label>

<input

type="password"

value={password}

required

onChange={(e) => setpassword(e.target.value)}

/>

<button type="submit">Login</button>

</form>

</div>

);

}

export default Login;