Assignment-4

Connect register page with backend API

register.js

```javascript
import React, {useState} from 'react';
import {Form,Button,Container} from 'react-bootstrap';
import '../../node_modules/bootstrap/dist/css/bootstrap.min.css';

import Navbar from '../Components/Navbar';

const styles={
    heading1: {
        color:"blue"
    }
}

function Register() {
    const [enteredEmail,setEmail]=useState('');
    const [enteredName,setName]=useState('');
    const [enteredMobile,setMobile]=useState('');
    const [enteredPassword,setPassword]=useState('');
    const [enteredOrg,setOrg]=useState('');

    const emailChangeHandler = (event) => {
        setEmail(event.target.value);
    }

    const nameChangeHandler =(event) => {
        setName(event.target.value);
    }

    const mobileChangeHandler =(event) => {
        setMobile(event.target.value);
    }

    const passwordChangeHandler =(event) => {
        setPassword(event.target.value);
    }
    const orgChangeHandler =(event) => {
        setOrg(event.target.value);
    }

    const registerHandler= (event) => {
        event.preventDefault();

        //reset values
        setEmail('');
        setName('');
```

```jsx
            setMobile('');
            setPassword('');
            setOrg('');

            console.log(enteredName,enteredEmail,enteredMobile,enteredPassword,ent
eredOrg);



            //calling the backend
            fetch('http://127.0.0.1:2000/newregistration?'+'name='+enteredName
+'&mobile='+enteredMobile+'&email='+enteredEmail+'&org='+enteredOrg+'&password
='+enteredPassword)
            .then(
                (response) => (response.json())
            ).then((response)=>{
                if(response.status==='success'){
                    document.getElementById('res').innerHTML='Registered
successfully';
                    document.getElementById('err').innerHTML='';
                }else if(response.status==='failure'){
                    document.getElementById('err').innerHTML='Account Existed
Already';
                    document.getElementById('res').innerHTML='';
                }


            });
        }


    return(
        <div>
            <Navbar />
            <Container className='col-sm-3'>
                <h1 style={styles.heading1}>Register page</h1> <br/>

                <Form onSubmit={registerHandler}>

                    <Form.Group>
                        <Form.Label>Name</Form.Label>
                        <Form.Control type="text" value={enteredName}
onChange={nameChangeHandler} placeholder='Enter Name' />
                    </Form.Group> <br/>

                    <Form.Group>
                        <Form.Label>Email</Form.Label>
                        <Form.Control type="text"  value={enteredEmail}
onChange={emailChangeHandler} placeholder='Enter email' />
                    </Form.Group><br/>

                    <Form.Group>
```

```
                    <Form.Label>Mobile</Form.Label>
                    <Form.Control type="text"  value={enteredMobile}
onChange={mobileChangeHandler} placeholder='Enter Mobile' />
            </Form.Group><br/>

            <Form.Group>
                <Form.Label>Organization</Form.Label>
                <Form.Control type="text" value={enteredOrg}
onChange={orgChangeHandler} placeholder='Enter Organization' />
            </Form.Group><br/>

            <Form.Group>
                <Form.Label>password</Form.Label>
                <Form.Control type="password"  value={enteredPassword}
onChange={passwordChangeHandler} placeholder='Enter password' />
            </Form.Group><br/>

            <Button type='submit'>Register</Button>
        </Form>

        <span style={{color:"red"}} id="err" ></span>
        <span style={{color:"green"}}id="res"></span>
      </Container>
    </div>
  );
}


export default Register;
```
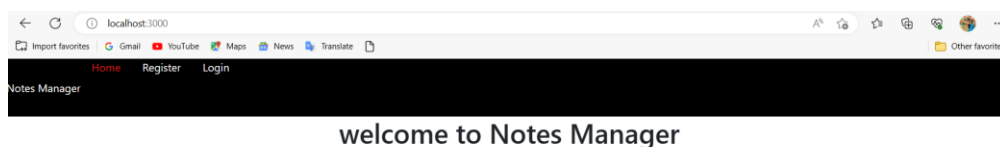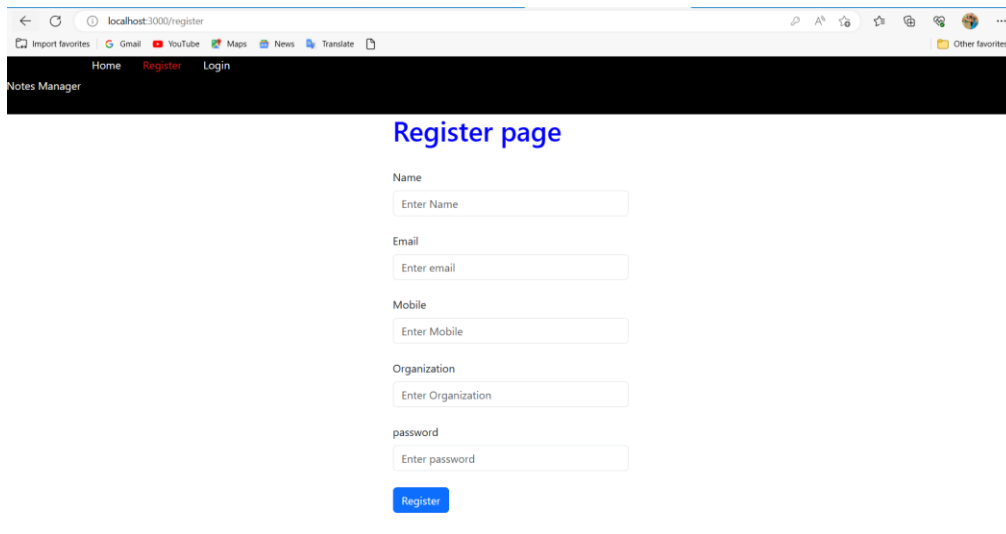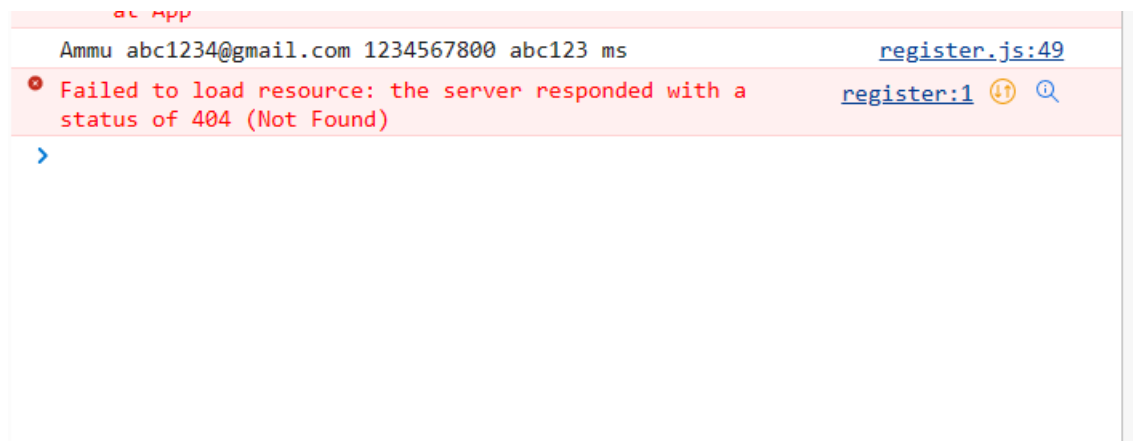
Run the server by the command **"npm start"**

welcome to Notes Manager

By default it will display the "Home " page

Click on the register page ,it will display the register page

Enter the details it will display on the console.

Now we have to connect the register frontend page to backend API

For that ,we use fetch method

```
        //calling the backend
        fetch('http://127.0.0.1:2000/newregistration?'+'name='+enteredName
+'&mobile='+enteredMobile+'&email='+enteredEmail+'&org='+enteredOrg+'&password
='+enteredPassword)
```

now run the backend api in one terminal

-------> " node api.js"

After that run the front end in another terminal

------->   "npm start"

Enter the details and click on register button

The details are stored in the mongodb successfully

Ammu 1234567800 abc123 abc1234@gmail.com ms
connected with mongodb server
{
  acknowledged: true,
  insertedId: new ObjectId("648c2d1a92b2527c8b9cc4f1")
}