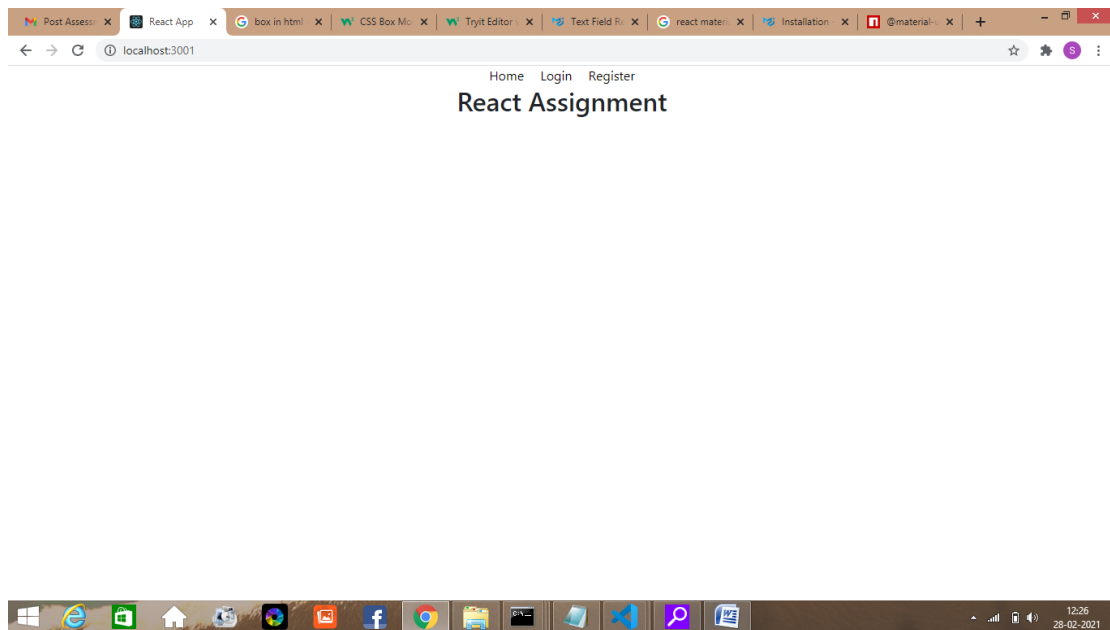
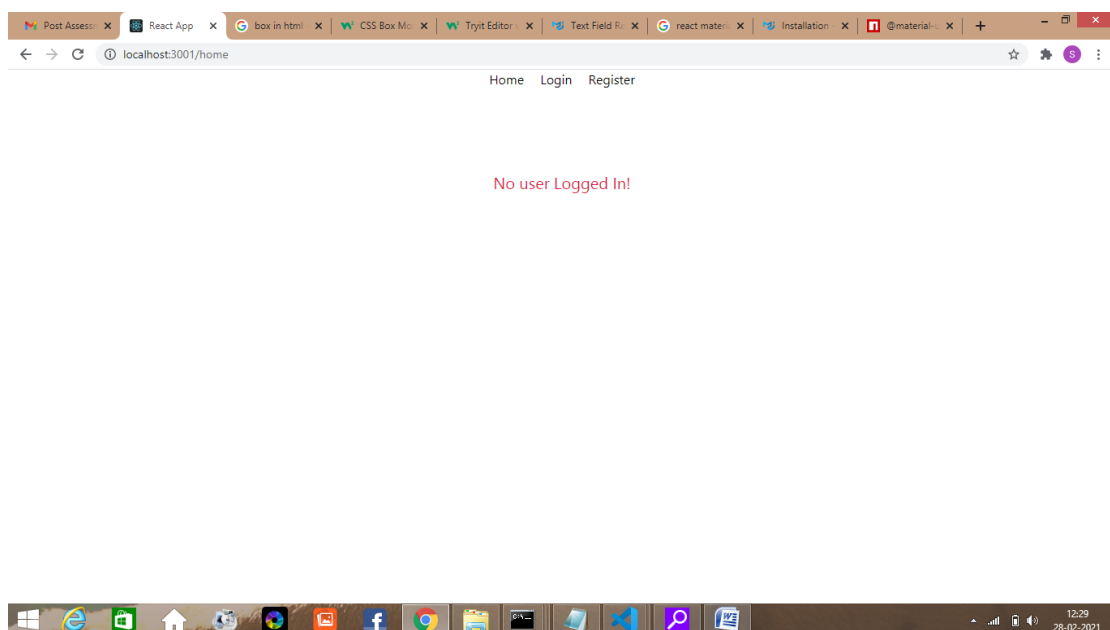


1. Landing Page



2. Home before logged in



3. Login

Home Login Register

Login

User Id

Password

LOGIN

User Successfully logged in!

4.Register

Home Login Register

User Registration

Name

User Id

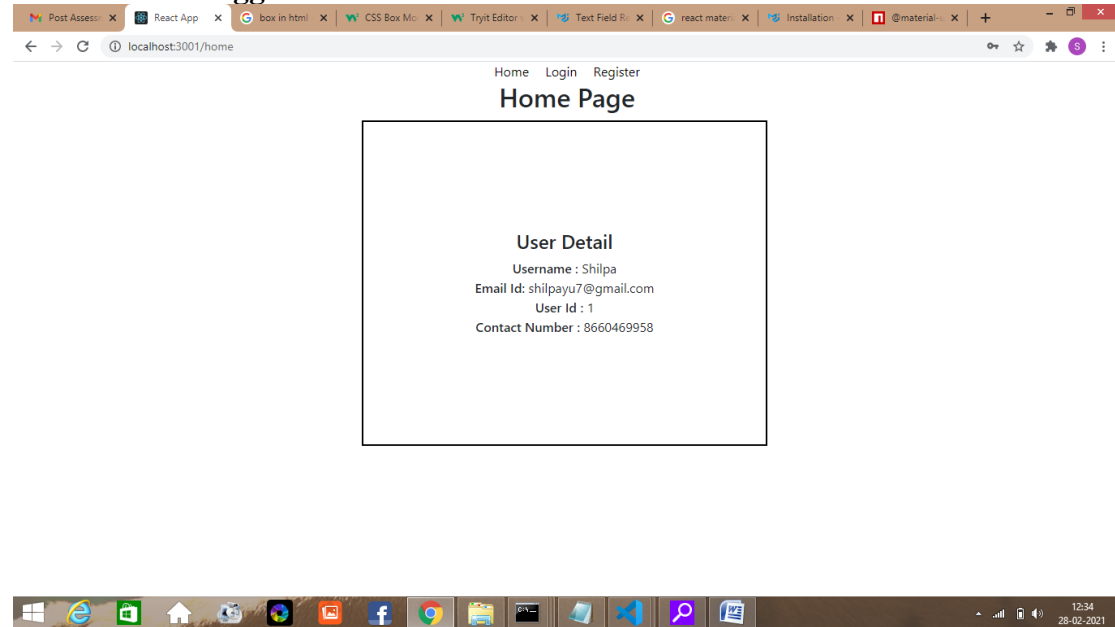
Password

Email Id

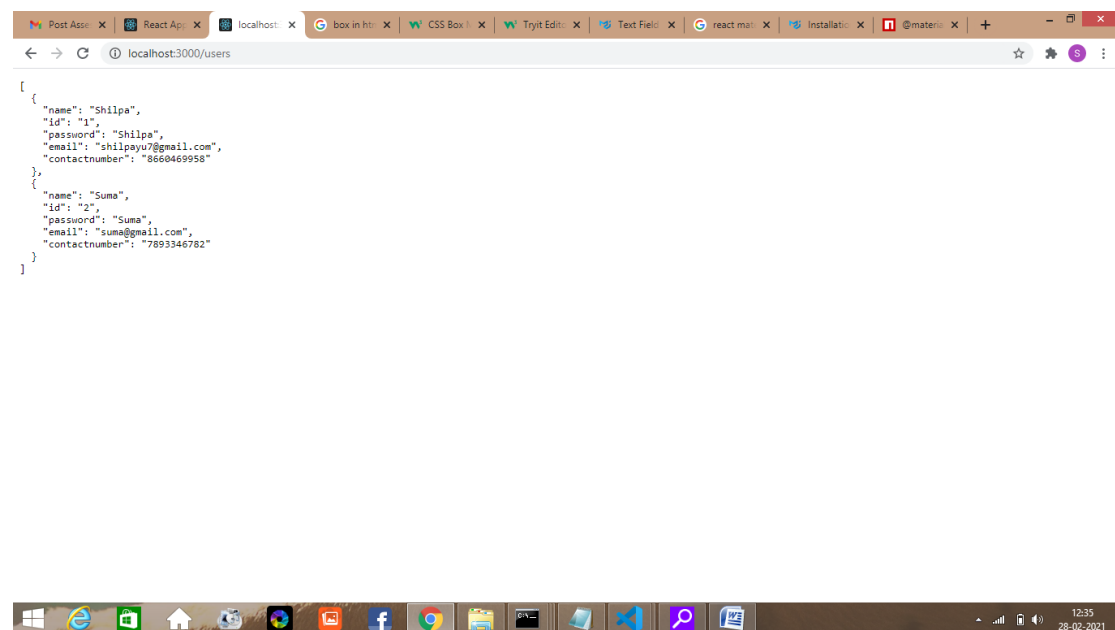
Contact Number

REGISTER

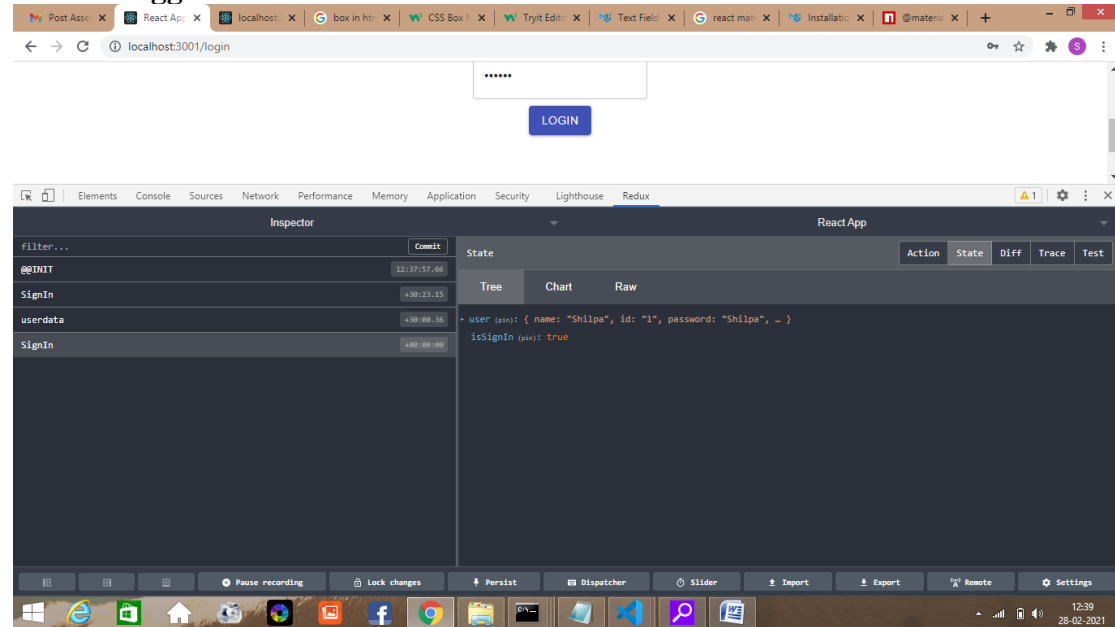
5. Home after logged in



6. Registered Data stored in db.json



7. After logged in User Data Stored in Redux



Code Structure

Routing

App.js

```
import './App.css';
import {BrowserRouter} from 'react-router-dom';
import RouteHandler from './RouteHandler';
import "bootstrap/dist/css/bootstrap.min.css";

function App() {
  return (
    <div className="App">
      <BrowserRouter>
        <RouteHandler/>
      </BrowserRouter>
    </div>
  );
}

export default App;
```

RouteHandler.js

```
import React from 'react';
import {Route,Switch} from 'react-router-dom';
import Nav from './Nav/Nav';
import Login from './Login/Login';
import Register from './Register/Register';
import Home from './Home/Home';
import Index from './Index/Index';

function RouteHandler(){
  return (
    <div>
      <div>
        <Nav/>
      </div>
      <div>
        <Switch>
          <Route path="/" exact component={Index}/>
          <Route path="/home" component={Home}/>
          <Route path="/login" component={Login}/>
          <Route path="/register" component={Register}/>
        </Switch>
      </div>
    </div>
  );
}
export default RouteHandler;
```

Nav Component Nav.js

```
import React from 'react';
import { NavLink } from 'react-router-dom';

function Nav() {
  const navStyle = {
    color:'black',
    padding:'10px'
  }
  return (
    <div className="nav-links">
      <NavLink style={navStyle} to="/home">Home</NavLink>
      <NavLink style={navStyle} to="/login">Login</NavLink>
      <NavLink style={navStyle} to="/register">Register</Na
vLink>
```

```

        </div>
    );
}
export default Nav;

```

Register.js

```

import React,{useState} from 'react';
import axios from 'axios';
import Button from '@material-ui/core/Button';
import TextField from '@material-ui/core/TextField';
import { makeStyles } from '@material-ui/core/styles';

const useStyles = makeStyles((theme) => ({
  root: {
    '& > *': {
      margin: theme.spacing(1),
      width: '25ch',
    },
  },
}));

function Register(){
  let [name,setName] = useState('');
  let [userid,setUserId] = useState('');
  let [password,setPassword] = useState('');
  let [email, setEmail] = useState('');
  let [contactnumber,setContactNumber] = useState('');
  const url = 'http://localhost:3000/users/';
  async function RegisterUsers(e){
    e.preventDefault();
    let obj = {
      "name":name,
      "id":userid,
      "password":password,
      "email":email,
      "contactnumber":contactnumber
    }
    let results = await axios.post(url,obj);
    console.log(results);
  }
  const classes = useStyles();
  return (
    <div>

```

```

    <h2>User Registration</h2>
    <div className="align">
      <form className={classes.root} noValidate autoComplete="off">
        <div>
          <span>Name</span>
          <span>
            <TextField
              variant="outlined"
              id="name"
              name="name"
              value={name}
              onChange={event=>setName(event.target
.value)}
            />
          </span>
        </div>
        <div>
          <span>User Id</span>
          <span>
            <TextField
              variant="outlined"
              id="userid"
              name="userid"
              value={userid}
              onChange={event=>setUserId(event.targ
et.value)}
            />
          </span>
        </div>
        <div>
          <span>Password</span>
          <span>
            <TextField
              variant="outlined"
              type="password"
              id="password"
              name="password"
              value={password}
              onChange={event=>setPassword(event.ta
rget.value)}
            />
          </span>
        </div>
      </form>
    </div>
  </div>
)

```

```

        </div>
        <div>
            <span>Email Id</span>
            <span>
                <TextField
                    variant="outlined"
                    type="email"
                    id="email"
                    name="email"
                    value={email}
                    onChange={event=>setEmail(event.target.value)}
                />
            </span>
        </div>
        <div>
            <span>Contact Number</span>
            <span>
                <TextField
                    variant="outlined"
                    type="text"
                    id="contactnumber"
                    name="contactnumber"
                    value={contactnumber}
                    onChange={event=>setContactNumber(event.target.value)}
                />
            </span>
        </div>
        <div>
            <Button variant="contained" color="primary" onClick={RegisterUsers}>Register</Button>
        </div>
    </form>
</div>
</div>
);
}

export default Register;

```


Login.js

```
import React,{useState} from 'react';
import axios from 'axios';
import './Login.css';
import {useDispatch} from 'react-redux';
import {signinstate,userdata} from '../action';
import Button from '@material-ui/core/Button';
import TextField from '@material-ui/core/TextField';
import { makeStyles } from '@material-ui/core/styles';

const useStyles = makeStyles((theme) => ({
  root: {
    '& > *': {
      margin: theme.spacing(1),
      width: '25ch',
    },
  },
}));

function Login(){
  const [userid,setUserId] = useState('');
  const [password,setPassword] = useState('');
  const [message,setMessage] = useState('');
  const dispatch = useDispatch()
  const url = 'http://localhost:3000/users/'

  async function LoginUser(e){
    e.preventDefault();
    if(userid !== '' && password !== ''){
      axios.get(url+userid).then(response => {
        console.log(response);
        if(response.status === 200 && password === response.data.password){
          dispatch(userdata(response.data));
          dispatch(signinstate(true));
          setMessage('User Successfully logged in!')
        }
        else {
          dispatch(signinstate(false));
          setMessage('Invalid Credentials!')
        }
      }, () => {
        dispatch(signinstate(false));
        setMessage('Invalid Credentials!')
      })
    }
  }
}
```

```

        );
    }
    {
        dispatch(signinstate(false));
        setMessage('Please fill all the fields!')
    }
}
const classes = useStyles();
return (
    <div>
        <h2>Login</h2>
        <div className="align">
            <form className={classes.root} noValidate autoComplete="off">
                <div>
                    <span>User Id </span>
                    <span>
                        <TextField
                            variant="outlined"
                            type="text"
                            id="userid"
                            name="userid"
                            value={userid}
                            onChange={event=>setUserId(event.target.value)}
                        />
                    </span>
                </div>
                <div>
                    <span>Password </span>
                    <span>
                        <TextField
                            variant="outlined"
                            type="password"
                            id="password"
                            name="password"
                            value={password}
                            onChange={event=>setPassword(event.target.value)}
                        />
                    </span>
                </div>
            </div>
        </div>
    )

```

```

        <Button variant="contained" color="primary
" onClick={LoginUser}>Login</Button>
        </div>
    </form>
</div>
    <div className={message === 'User Successfully logged
in!' ? 'successMsg' : 'errorMsg'}>{message}</div>
    </div>
    );
}

export default Login;

```

Login.css

```

.errorMsg{
    color:crimson;
    text-align: center;
    font-size: 20px;
    margin-top: 100px;
}
.successMsg{
    color:green;
    text-align: center;
    font-size: 20px;
    margin-top: 100px;
}
.align{
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
}

```

Home.js

```

import React from 'react';

```

```

import {useSelector} from 'react-redux';
import './Home.css';
function Home(){
  const user = useSelector(state => state.user);
  const signIn = useSelector(state => state.isSignIn);

  return (
    <div>
      {!signIn && <div className="errorMsg">No user Logged
In!</div>}
      {signIn &&
        <div>
          <h2>Home Page</h2>
          <div className="box">
            <h4>User Detail</h4>
            <div>
              <span className="bold">Username : </spa
n>
              <span>{user.name}</span>
            </div>
            <div>
              <span className="bold">Email Id: </span
>
              <span>{user.email}</span>
            </div>
            <div>
              <span className="bold">User Id : </span
>
              <span>{user.id}</span>
            </div>
            <div>
              <span className="bold">Contact Number :
</span>
              <span>{user.contactnumber}</span>
            </div>
          </div>
        </div>
      }
    </div>
  );
}

export default Home;

```

Home.css

```
.box{
  background-color: white;
  width: 500px;
  height: 400px;
  border: 2px solid black;
  padding: 50px;
  margin: 10px;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  margin-left: 430px;
}
.errorMsg{
  color:crimson;
  text-align: center;
  font-size: 20px;
  margin-top: 100px;
}
.bold{
  font-weight: 600;
}
```

Redux Create Store

Index.js

```
import React from 'react';
import ReactDOM from 'react-dom';
import './index.css';
import App from './App';
import reportWebVitals from './reportWebVitals';
import { createStore } from 'redux';
import { Provider } from 'react-redux';
import allReducers from './reducers/index';

const store = createStore(allReducers,window.__REDUX_DEVTOOLS_EXTENSION__ && window.__REDUX_DEVTOOLS_EXTENSION__());
ReactDOM.render(
  <React.StrictMode>
    <Provider store={store}>
      <App />
    </Provider>
```

```
</React.StrictMode>,  
  document.getElementById('root')  
);  
reportWebVitals();
```

actions Index.js

```
export const userdata = (user) =>{  
  return {  
    type:"userdata",  
    data:user  
  }  
}  
export const signinstate = (value) =>{  
  return {  
    type:"SignIn",  
    data:value  
  }  
}
```

Combined Reducers

Index.js

```
import {combineReducers} from 'redux';  
import userReducer from './user';  
import loggedReducer from './isloggedin';  
  
const allReducers = combineReducers({  
  user:userReducer,  
  isSignIn:loggedReducer  
})  
  
export default allReducers;
```

userReducer

user.js

```
const userReducer = (state = 0, action) => {  
  switch (action.type) {  
    case 'userdata':  
      return action.data;  
    default:  
      return state;  
  }  
}  
  
export default userReducer;
```

loggedReducer

isloggedin.js

```
const loggedReducer = (state = false, action) => {  
  switch (action.type) {  
    case 'SignIn':  
      return action.data;  
  
    default:  
      return state;  
  }  
}  
  
export default loggedReducer;
```