

# MODEL LAB ASSIGNMENT:

## Create a replica of Microsoft's login page

Register number: 21011102001

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### CODE:

### SETUP:

Npx create-react-app myapp

Npm start

Index.html:

```
<!DOCTYPE html>
<html>
  <head>
  </head>
  <body>
    <div id="root">

    </div>

  </body>
</html>
```

Src: App.js

```
import React, { useState } from 'react';
import './App.css';
import LoginForm from './components/LoginForm';
import WelcomeMessage from './components/WelcomeMessage';
import ErrorMessage from './components/errorMessage';

function App() {
  const [username, setUsername] = useState('');
  const [password, setPassword] = useState('');
  const [isLoggedIn, setIsLoggedIn] = useState(false);
  const [error, setError] = useState(null);

  const handleLogin = () => {
```

```

if (username === 'valid' && password === 'valid') {
  setIsLoggedIn(true);
  setError(null);
} else {
  setError('Invalid username or password');
}
};

const handleLogout = () => {
  setIsLoggedIn(false);
  setUsername('');
  setPassword('');
};

return (
  <div className="App">
    <div className="login-container">
      
      {isLoggedIn ? (
        <WelcomeMessage username={username} onLogout={handleLogout} />
      ) : (
        <div>
          {error && <ErrorMessage message={error} />}
          <LoginForm
            username={username}
            password={password}
            onUsernameChange={(e) => setUsername(e.target.value)}
            onPasswordChange={(e) => setPassword(e.target.value)}
            onLogin={handleLogin}
          />
        </div>
      )}
    </div>
  );
}

export default App;

```

App.css:

```

.App {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  background: rgb(238,174,202);
}

```

```
background: radial-gradient(circle, rgba(238,174,202,1) 0%,  
rgba(148,233,161,0.4458158263305322) 54%);  
}  
  
.login-container {  
font-family: sans-serif;  
background-color: #fff;  
padding: 44px;  
border-radius: 5px;  
box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.2);  
width: 352px;  
height: 250px;  
}  
  
.logo{  
height: 50px;  
width: 140px;  
padding: 0;  
padding-bottom: 10px;  
color: white;  
}  
  
.heading{  
margin-top: 0px;  
padding-left: 0px;  
font-size: 25px;  
}  
  
.holder{  
flex-direction: column;  
display: flex;  
}  
  
.input {  
border: none;  
border-bottom: 1px solid #ccc;  
padding: 5px;  
outline: none;  
margin-bottom: 20px;  
}  
  
.input:focus {  
border-bottom: 1px solid #007bff;  
}  
  
.button{  
width: 84px;  
height: 30px;
```

```
padding: 4px 12px 4px 12px;
margin-left: 280px;
border: none;
background-color: grey;
}

button:hover{
  background-color: #0056b3;
  cursor: pointer;
}

.error-message{
  color: red;
  padding-bottom: 10px;
  padding-right: 5px;
}
```

Components:

LoginForm.js:

```
import React from 'react';

function LoginForm({ username, password, onUsernameChange, onPasswordChange, onLogin, error }) {
  return (
    <div className='holder'>
      <h1 className='heading'>Login</h1>
      {error && <div className="error-message">{error}</div>}
      <input
        type="text"
        placeholder="Username, Skype, Telephone"
        value={username}
        onChange={onUsernameChange}
      />
      <input
        type="password"
        placeholder="Password"
        value={password}
        onChange={onPasswordChange}
      />
      <button onClick={onLogin}>Login</button>
    </div>
  );
}

export default LoginForm;
```

ErrorMessage.js:

```
import React from 'react';

function ErrorMessage({ message }) {
  return <div className="error-message">{message}</div>;
}

export default ErrorMessage;
```

WelcomeMessage.js:

```
import React from 'react';

function WelcomeMessage({ username, onLogout }) {
  return (
    <div>
      <h1>Welcome, {username}!</h1>
      <button onClick={onLogout}>Logout</button>
    </div>
  );
}

export default WelcomeMessage;
```

index.js:

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <App />
);
```

OUTPUT:



Invalid username or password

## Login

shama

...

Login

On entering valid username:



**Welcome, valid!**

[Logout](#)