

Training Day 22 Report

Date: 21 July 2025

Project: MERN Notes App

Topic Covered: User Profile and Logout Functionality

On the twenty-second day, we implemented the **User Profile page** to display account details and added a **Logout option**. This gave users better account management and control of their sessions.

Concepts Learned

- Using stored JWT data to render user profile information.
- Creating a Logout feature that clears local storage and resets state.
- Redirecting users to the Login page after logging out.

Profile Page Component

Listing 1: Profile.js

```
1 import React from 'react';
2 import { useNavigate } from 'react-router-dom';
3
4 function Profile() {
5   const userInfo = JSON.parse(localStorage.getItem('userInfo'));
6   const navigate = useNavigate();
7
8   const handleLogout = () => {
9     localStorage.removeItem('userInfo');
10    navigate('/login');
11  };
12
13  return (
14    <div>
15      <h2>User Profile</h2>
16      <p><b>Name:</b> {userInfo?.name}</p>
17      <p><b>Email:</b> {userInfo?.email}</p>
18      <button onClick={handleLogout}>Logout</button>
19    </div>
20  );
21 }
22
23 export default Profile;
```

Adding Profile Route

In App.js, we protected the Profile page with JWT:

```
1 <Route
2   path="/profile"
3   element={
4     <ProtectedRoute>
5       <Profile />
6     </ProtectedRoute>
7   }
8 />
```

Testing the Feature

- Opened the Profile page → correctly displayed logged-in user's name and email.
- Clicked Logout → `localStorage` cleared, redirected to Login page.
- Tried accessing Profile again without login → redirected to Login (ProtectedRoute working).

Outcome of the Day

- Built a Profile page to show user details securely.
- Implemented Logout functionality by clearing session data.
- Completed the authentication flow with full login, profile, and logout support.