# 📘 Project Documentation: NeuroFleetX (Login & Signup Module)

## ✅ Features Implemented

### 🔐 Login Page

- Users can log in with email and password.  
- Redirects to Dashboard after successful login.  
- Includes a link: 'New User? Register here' → navigates to Signup page.  
- UI built with React and styled with Auth.css.

### 📝 Signup Page

- New users can register with details:  
 - Full Name  
 - Email  
 - Password  
- On successful signup → Redirects to Login page.  
- Same styling theme (Auth.css) for consistency.

### 🎨 Styling (Auth.css)

- Clean card layout with centered form.  
- Input validation focus effect.  
- Button hover animations.  
- Consistent typography and spacing.

## 📂 Project Folder Structure

neuro\_fleetx/  
│  
├── src/  
│ ├── App.js # Main app routing  
│ ├── index.js # Entry point  
│ ├── pages/  
│ │ ├── Login.js # Login page  
│ │ ├── Signup.js # Signup page  
│ │ ├── Dashboard.js # Dashboard after login  
│ │  
│ ├── styles/  
│ │ ├── Auth.css # Shared styling for login & signup  
│ │  
│ ├── components/ # (For future shared UI components)  
│  
├── package.json  
└── README.md

## 🧪 Test Cases

|  |  |  |
| --- | --- | --- |
| Test Case ID | Scenario | Expected Result |
| TC01 | User enters valid credentials in Login | Redirect to Dashboard |
| TC02 | User enters invalid credentials in Login | Show error message |
| TC03 | Click on 'New User? Register here' in Login | Redirect to Signup page |
| TC04 | User enters valid details in Signup | Redirect to Login page |
| TC05 | User enters already registered email in Signup | Show 'User already exists' error |
| TC06 | User leaves fields empty in Login/Signup | Show validation message |

## 📌 Next Steps

- Integrate backend (Node.js + Express + MongoDB) for real authentication.  
- Add JWT-based authentication for secure sessions.  
- Improve form validation (e.g., strong password rules).  
- Add Forgot Password functionality.







