Overview

The solution is a full-stack implementation of a *Leave Management Form* with client and server-side validation. Users are seeded on application start-up. The *login page* requires *email* and *password* on login and uses token authorization via JWT.

Back-end

The API was implemented using **.NET 9.0** and connects to **LocalDB** instance of **SQLServer**. The data access uses EF Core and supports data migration. Data is seeded with the following users when the application starts:

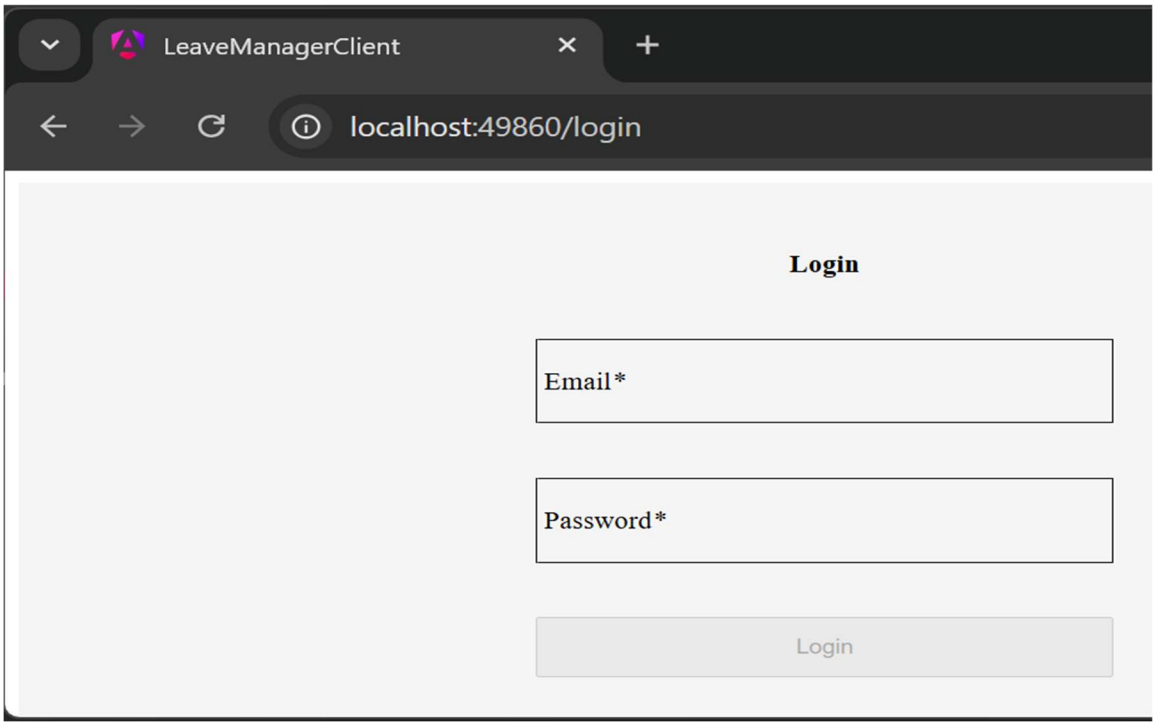
Name	Email
Mike Simmons	mike@mycompany.com
Leah Johnson	leah@mycompany.com
Ethan Castro	ethan@mycompany.com
Sandra Manager	sandra@mycompany.com
Paul Manager	paul@mycompany.com

Front-end

The client application is implemented using Angular 20. It has a login page that authenticates via email and password.

You can login the *Manager Account*: **`paul@mycompany.com`** / **`@User456!`**

Front-end runtime screenshots:



Leave Entry Form

New Leave Request

Applicant*
Leah Johnson

Manager*
Paul Manager

Start date*
10/31/2025

End date*
11/4/2025

Return Date*

Number of days*
3

General comments
Going on vacation for a few days.

33/500

Leave Type*
Annual

Submit

New Leave Request

Applicant*
Mike Simmons

Manager*
Sandra Manager

Paul Manager

Sandra Manager ✓

Start date*
11/10/2025

Return Date*

Number of days*
0

General comments

0/500

Leave Type*
Annual

Submit