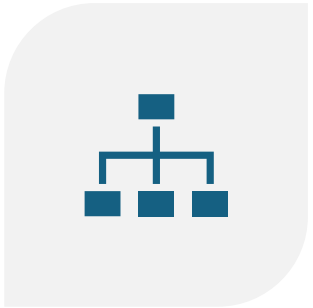
Employee Management System

An Angular-Based Employees Application

Ishita Nigam
Shaik Amoon Tabassum
Ray Subhangi

Project Overview

DATA STORED IN JSON FORMAT



DESIGNED EXCLUSIVELY FOR ADMIN TO MANAGE EMPLOYEES AND PROJECTS.

INCLUDES CRUD OPERATIONS, EMPLOYEE , PROJECT, AND PROJECT-EMPLOYEE MODULES.

RESPONSIVE AND USER-FRIENDLY INTERFACE

Core Functionalities

- Admin-only access interface
- Add, edit, delete employee records
- Create and manage project details
- Assign employees to projects
- Dashboard overview with navigation
- Form validations and user-friendly UI

Technology Stack

LAYER	TOOLS USED
FrontEnd	Angular
Data Storage	JSON Server
HTTP Request	Angular HttpClient
Testing	Jasmine
Storage	LocalStorage

Application Modules

Dashboard Module: Overview of system features and navigation to all modules.

Employee Module: CRUD operations for employee data with form-based input and table display.

Project Module: Add and manage project details dynamically with client and timeline tracking.

Project-Employee Module: Assign employees to projects and view assignment records

Unit Testing

Manual testing of form validations

Checked for:

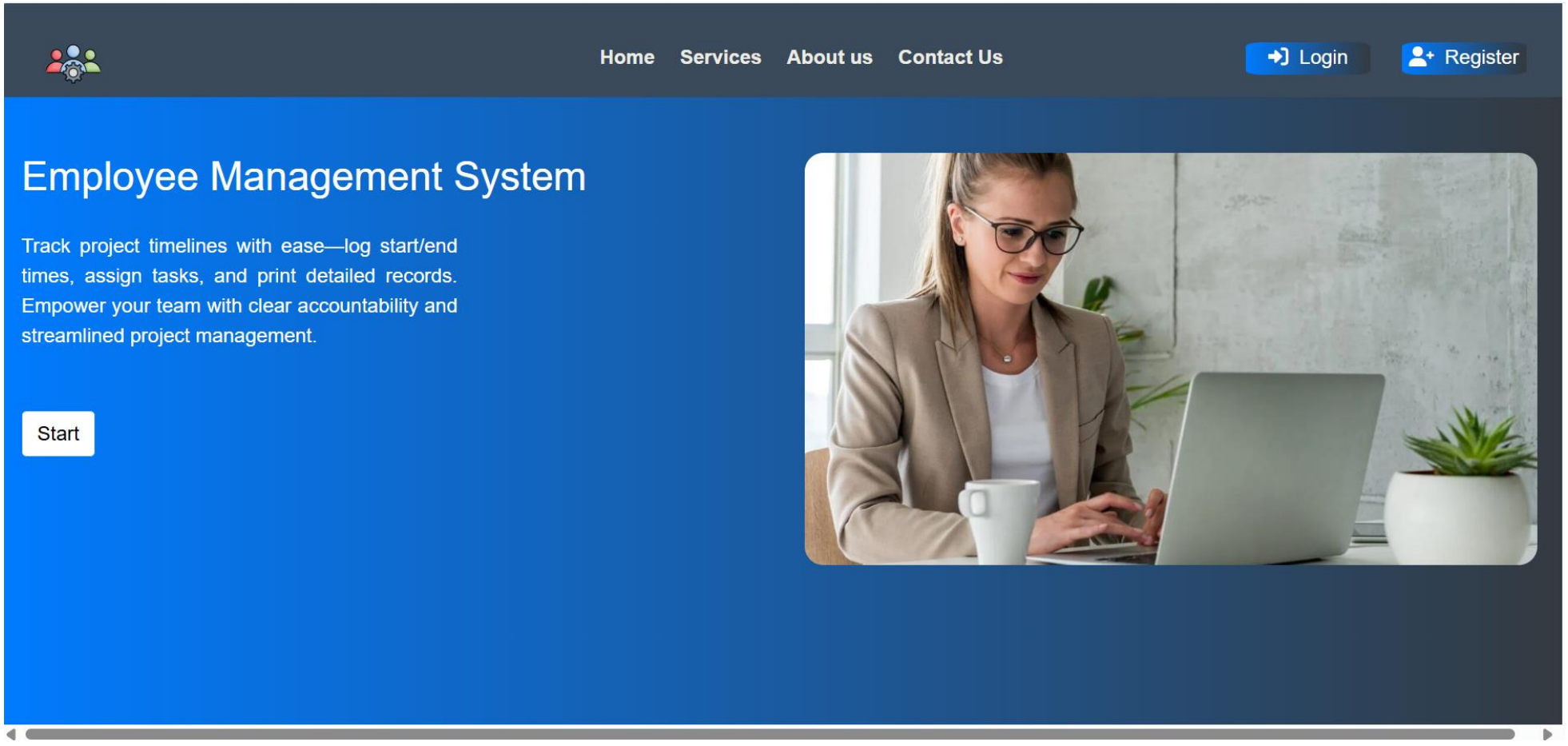
- Empty field restrictions
- Proper email and contact formats
- Button actions (Edit/Delete/Submit)

Verified data consistency in JSON

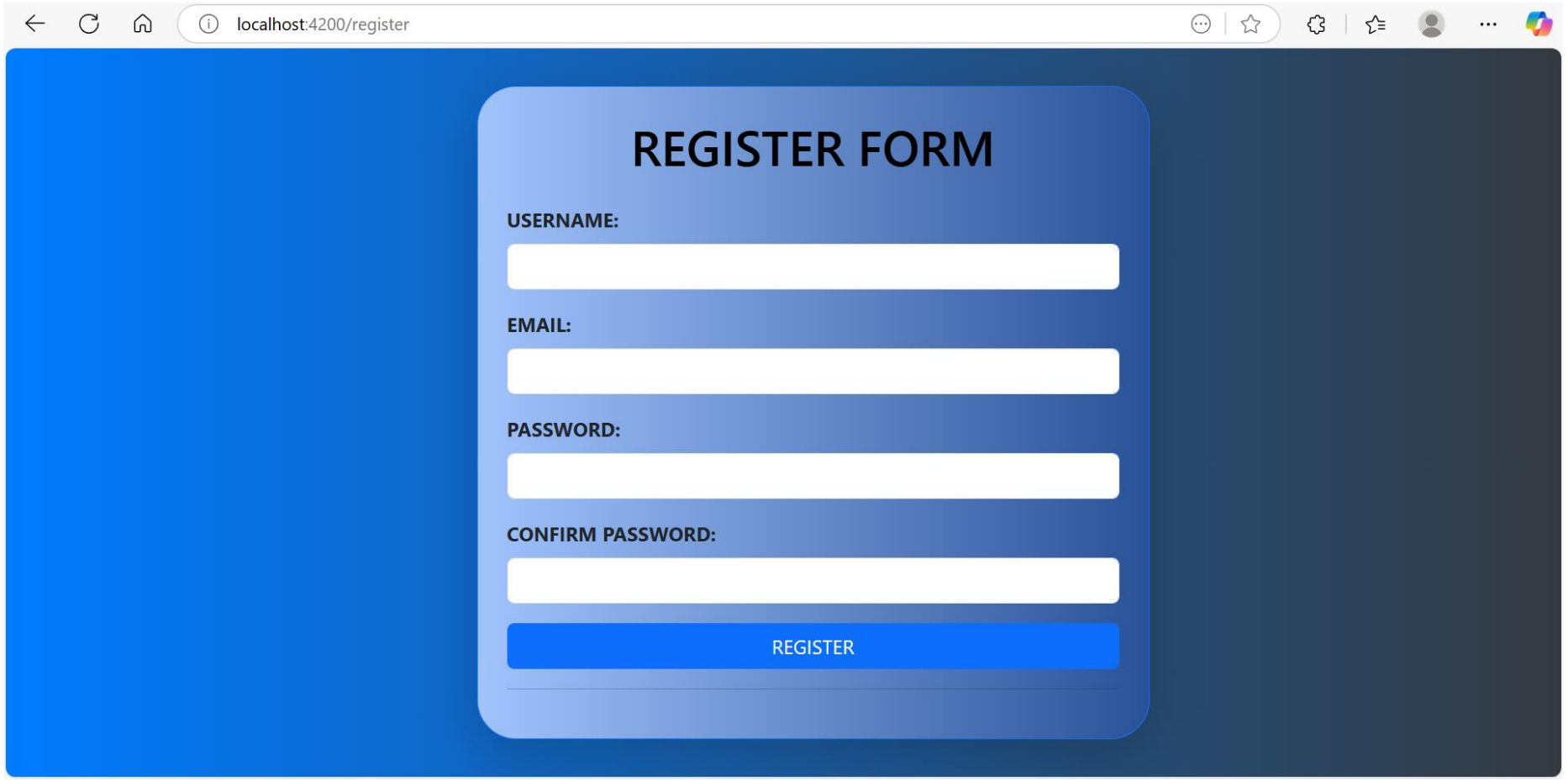
UI responsiveness across screen sizes

Screenshots

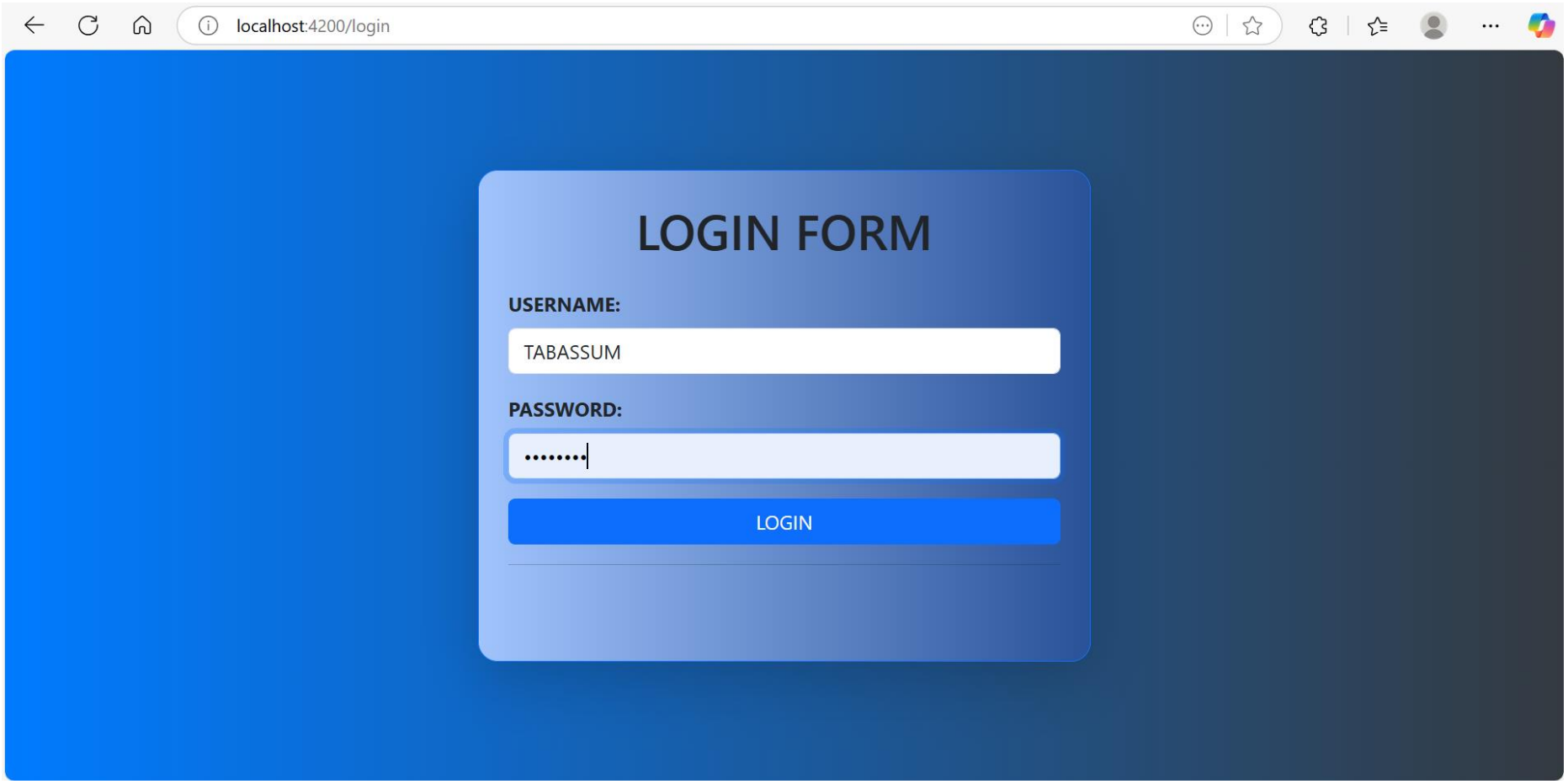
LandingPage



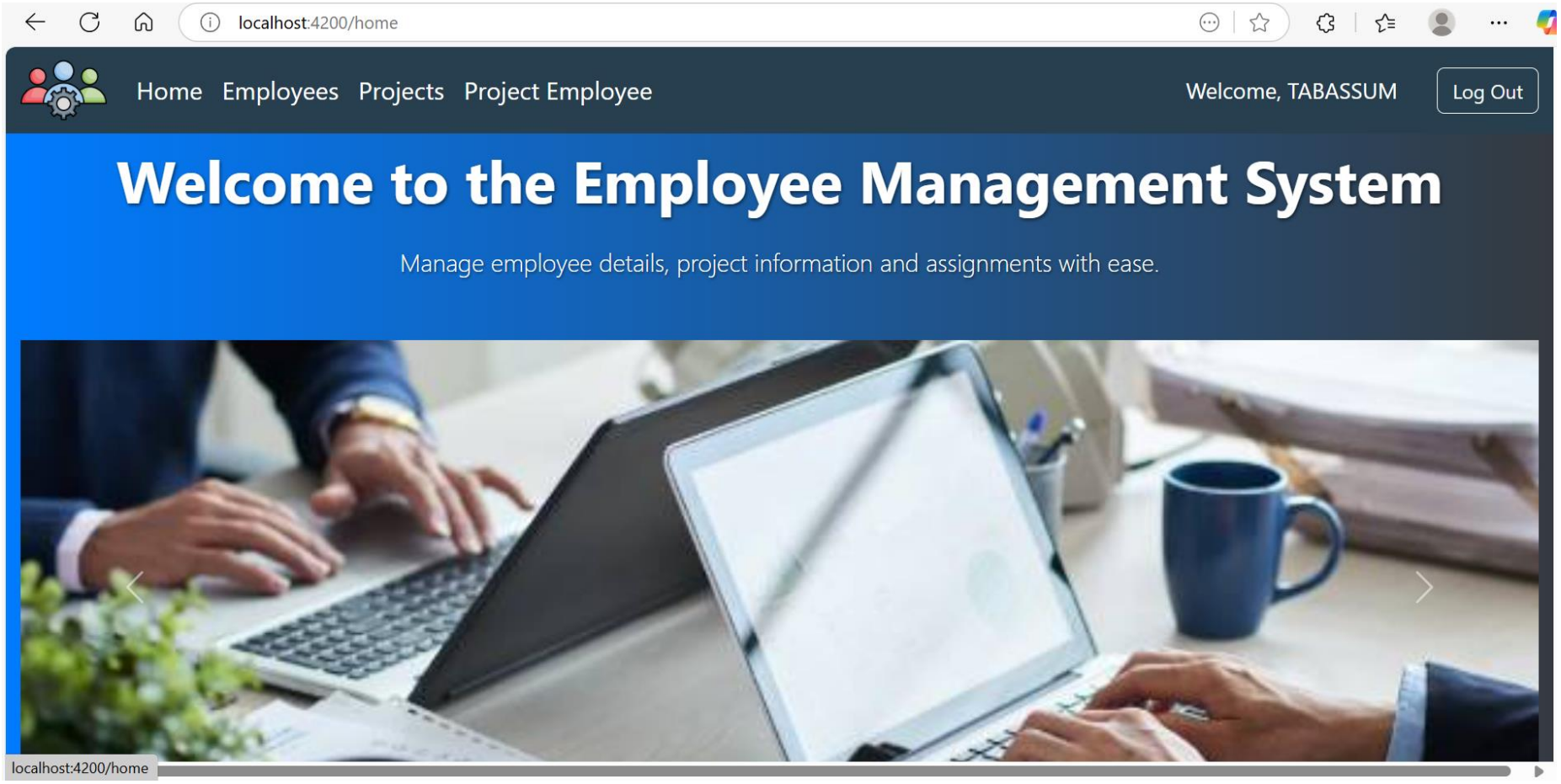
Register Form



Login Form

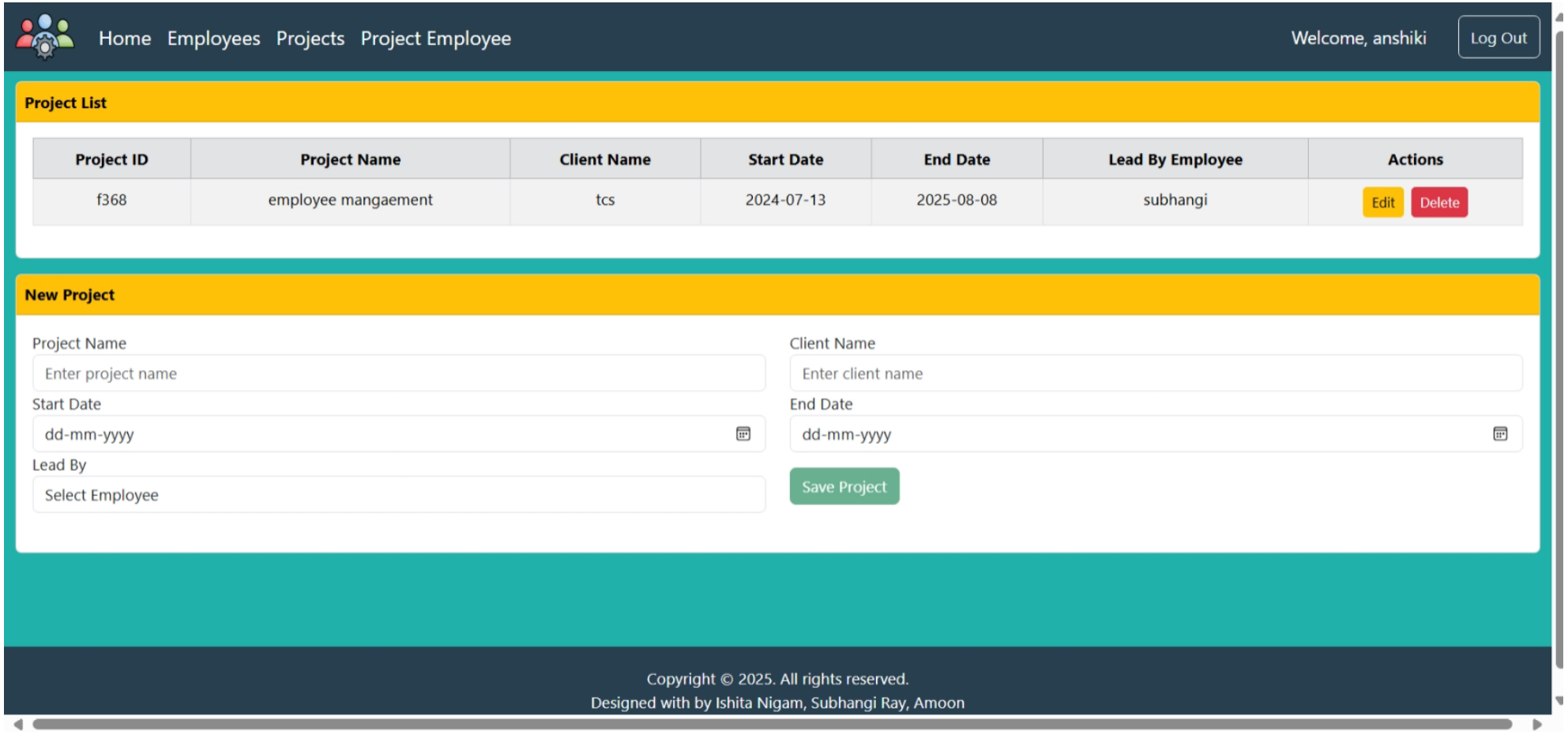

localhost:4200/login
LOGIN FORM
USERNAME:
TABASSUM
PASSWORD:
LOGIN

Dashboard Page

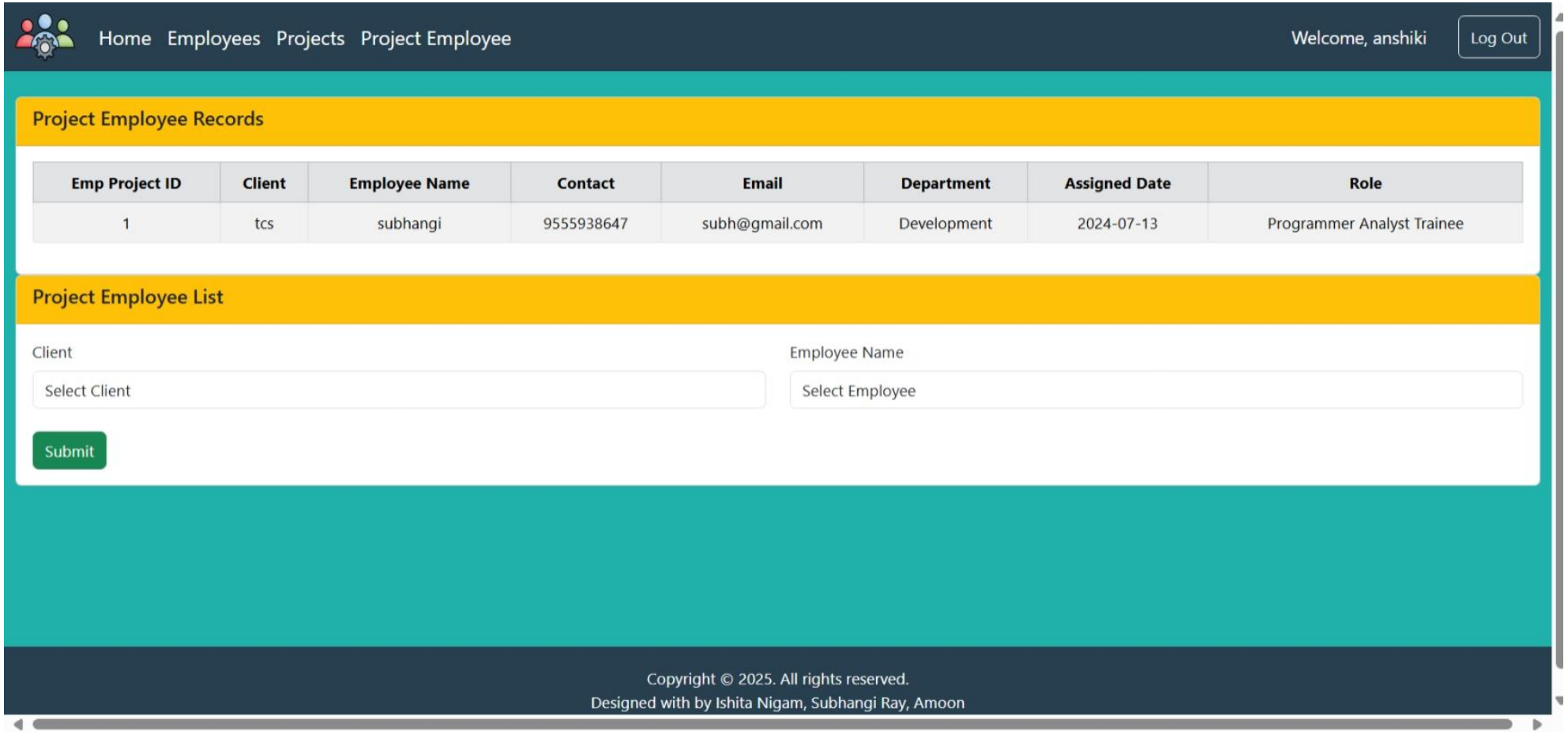


Employee Module

Project Module



Project-Employee Module:



Acheivements

- Successfully built a modular Angular application
- Implemented complete CRUD operations
- Designed a clean and intuitive UI
- Learned and applied Angular routing and component interaction
- Collaborated on UI design with peers
- Gained hands-on experience with frontend architecture

Thank You