

Employee Management System

An Angular-Based Employees Application



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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:

**Verified data
consistency in
JSON**

**UI responsiveness
across screen sizes**

Empty field
restrictions

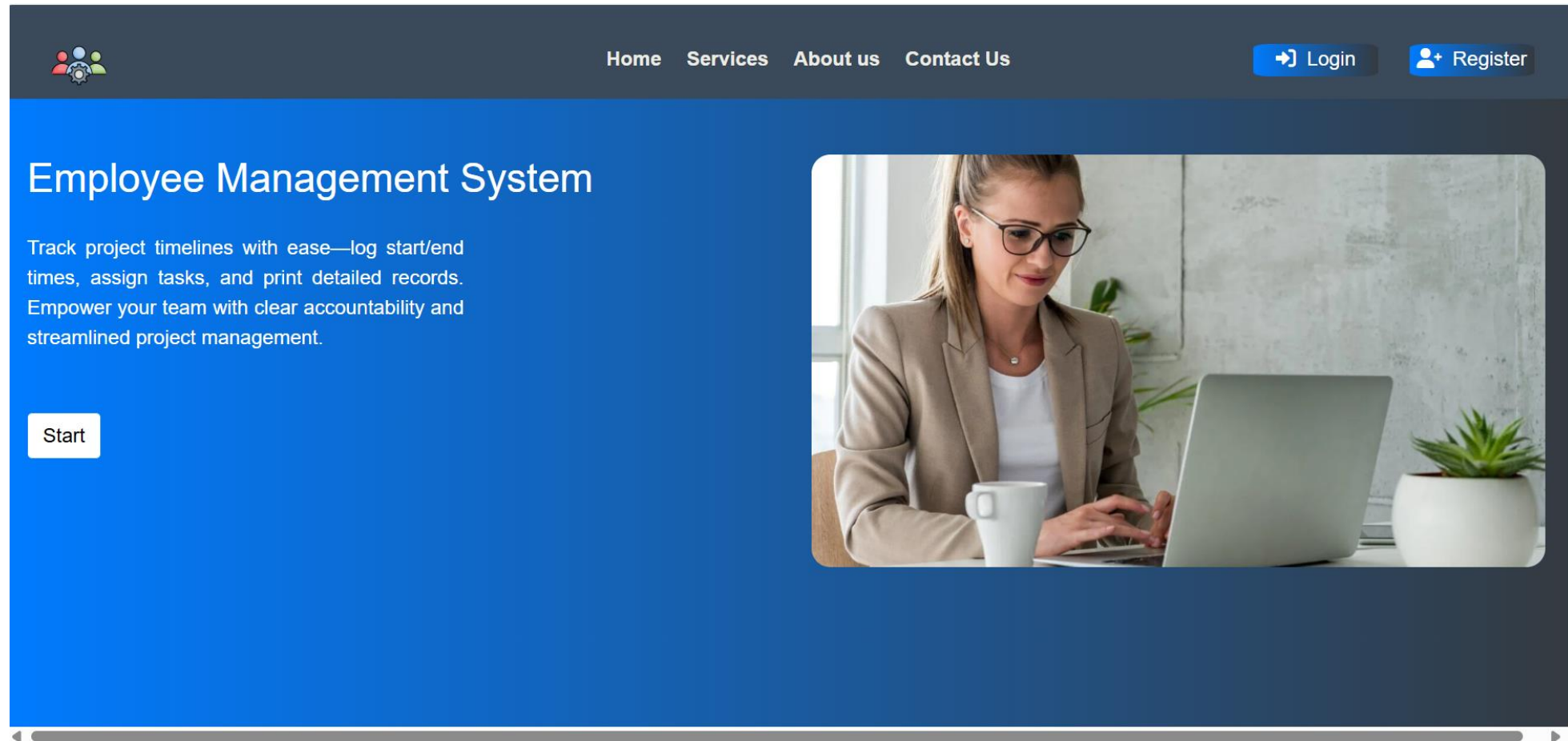
Proper email and
contact formats

Button actions
(Edit/Delete/Submit)

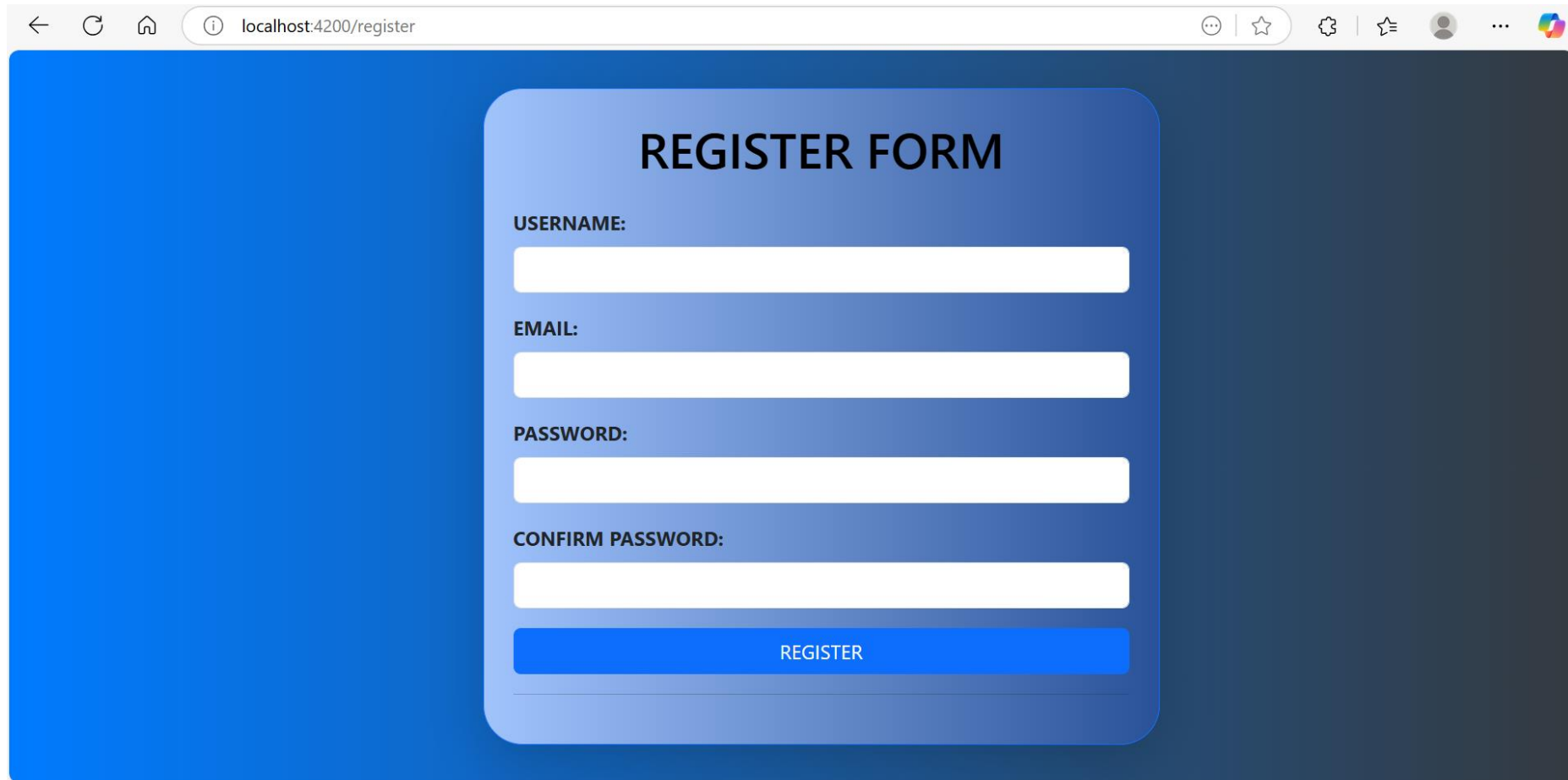


Screenshots

LandingPage



Register Form



A screenshot of a web browser displaying a registration form. The browser's address bar shows the URL `localhost:4200/register`. The form is titled "REGISTER FORM" and is set against a blue gradient background. It contains four input fields for "USERNAME:", "EMAIL:", "PASSWORD:", and "CONFIRM PASSWORD:", each followed by a blue "REGISTER" button.

← ↻ 🏠 ⓘ localhost:4200/register ⋮ ☆ ⚙️ ⚑ 👤 ⋮ 🌐

REGISTER FORM

USERNAME:

EMAIL:

PASSWORD:

CONFIRM PASSWORD:

REGISTER

Login Form

The image shows a web browser window with the address bar displaying "localhost:4200/login". The browser's toolbar includes navigation icons (back, forward, home), a search bar, and various utility icons (extensions, settings, profile). The main content area features a login form with a blue gradient background. The form is titled "LOGIN FORM" in bold, uppercase letters. Below the title, there are two input fields: "USERNAME:" with the value "TABASSUM" and "PASSWORD:" with masked characters ".....". A blue "LOGIN" button is positioned below the password field.

← ↻ 🏠 ⓘ localhost:4200/login ⋮ ☆ ⚙️ ⋮ 👤 ⋮ 🌈

LOGIN FORM

USERNAME:


PASSWORD:

LOGIN

Dashboard Page



Employee Module

 [Home](#) [Employees](#) [Projects](#) [Project Employee](#)

Welcome, anshiki [Log Out](#)

Employee Portal

Name	Contact	Email	Department	Role	Actions
subhangi	9555938647	subh@gmail.com	Development	Programmer Analyst Trainee	Edit Delete
Ishita Nigam	7763672632	ishita@gmail.com	Development	Programmer Analyst Trainee	Edit Delete

New Employee

Employee Name

Contact No

Email

Department


Password

Role

[Submit](#) [Clear](#)

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Project Module

 [Home](#) [Employees](#) [Projects](#) [Project Employee](#)

Welcome, anshiki Log Out

Project List

Project ID	Project Name	Client Name	Start Date	End Date	Lead By Employee	Actions
f368	employee mangaeement	tcs	2024-07-13	2025-08-08	subhangi	<button>Edit</button> <button>Delete</button>

New Project

Project Name

Enter project name

Client Name

Enter client name

Start Date

dd-mm-yyyy

End Date

dd-mm-yyyy

Lead By

Select Employee

Save Project

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Project-Employee Module:

 [Home](#) [Employees](#) [Projects](#) [Project Employee](#)

Welcome, anshiki [Log Out](#)

Project Employee Records

Emp Project ID	Client	Employee Name	Contact	Email	Department	Assigned Date	Role
1	tcs	subhangi	9555938647	subh@gmail.com	Development	2024-07-13	Programmer Analyst Trainee

Project Employee List

Client

Select Client

Employee Name

Select Employee

Submit

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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