



QR & FACE RECOGNITION BASED DOOR ACCESS SYSTEM

SLT DIGITAL LABS

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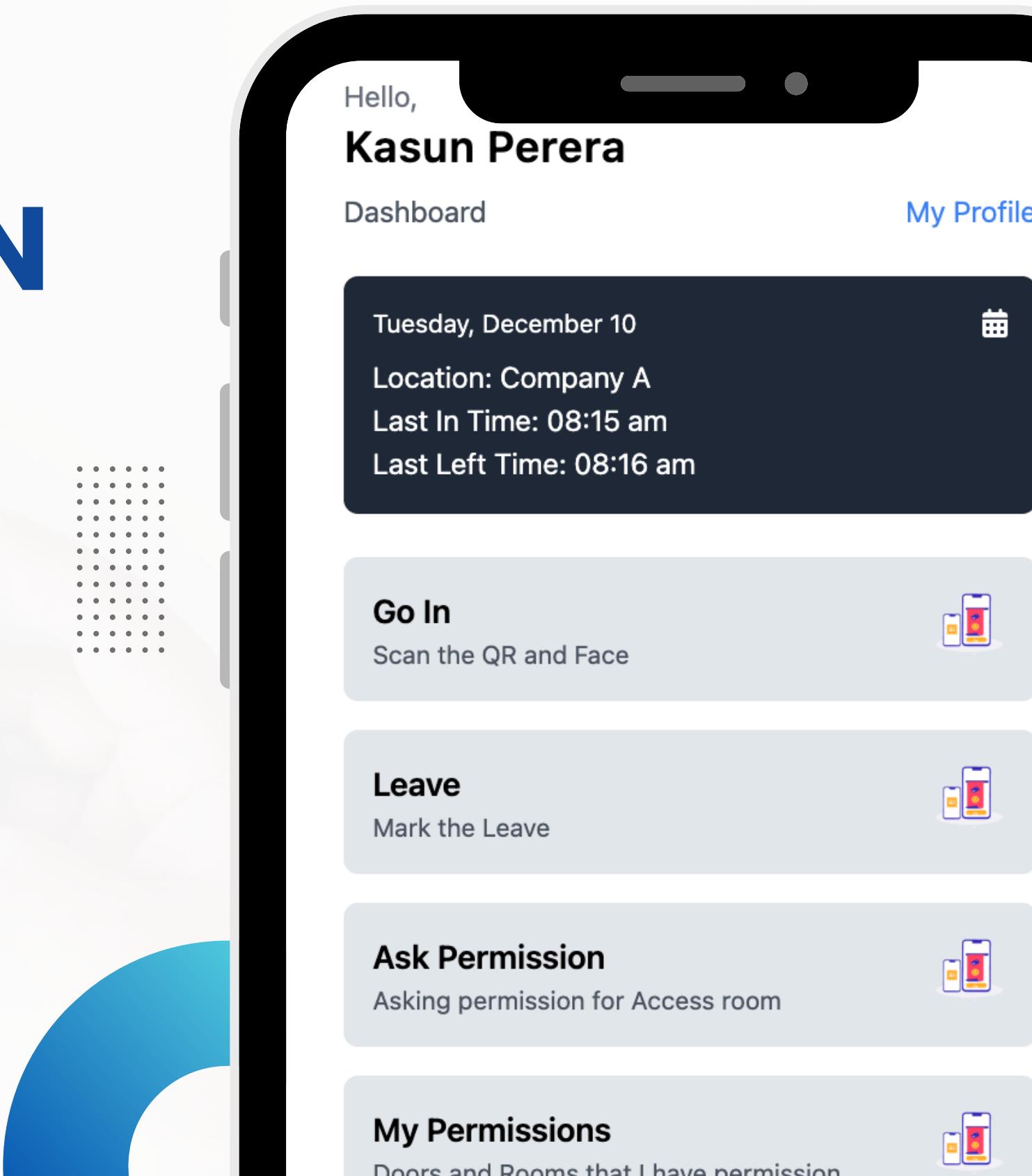


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Introduction

- **Why This System?** Traditional door access methods are becoming inefficient, prone to theft, and inconvenient for users.
- **Solution Overview:**
 1. **A browser-based mobile app** for users to request and manage access.
 2. **A web app** for admins to handle user registrations, access approvals, and system monitoring.

Core Idea

The integration of QR code scanning and facial recognition in one seamless system to ensure security, convenience, and efficiency.

Applications Overview

Mobile Application (User-Focused)

- **Purpose:** Provides end-to-end user functionality for access control.
- **Key Features:**
 1. User login and profile management.
 2. Request door access with time slots and additional notes.
 3. Scan QR codes and verify identity using facial recognition.
 4. Access logs to track past access activities.



Applications Overview

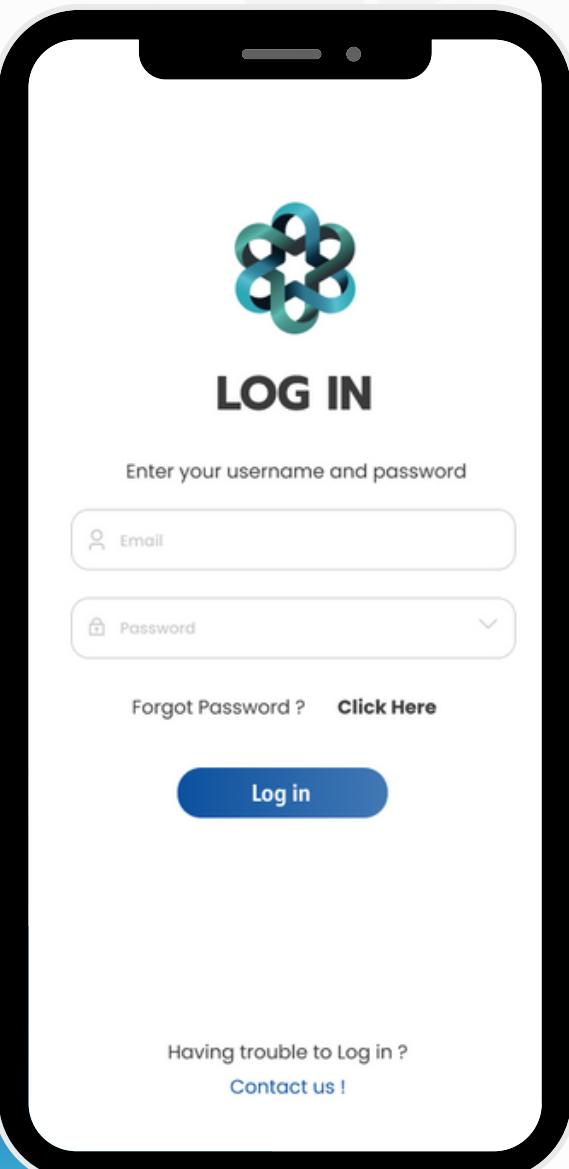
Web Application (Admin-Focused)

- **Purpose:** Centralized management of access requests and user accounts.
- **Key Features:**
 - 1.Create, edit and manage user accounts.
 - 2.Creating Doors and Generating QR Codes.
 - 3.Approve or deny access requests with details.
 - 4.Monitor user activity and access logs.



Mobile App Functionalities

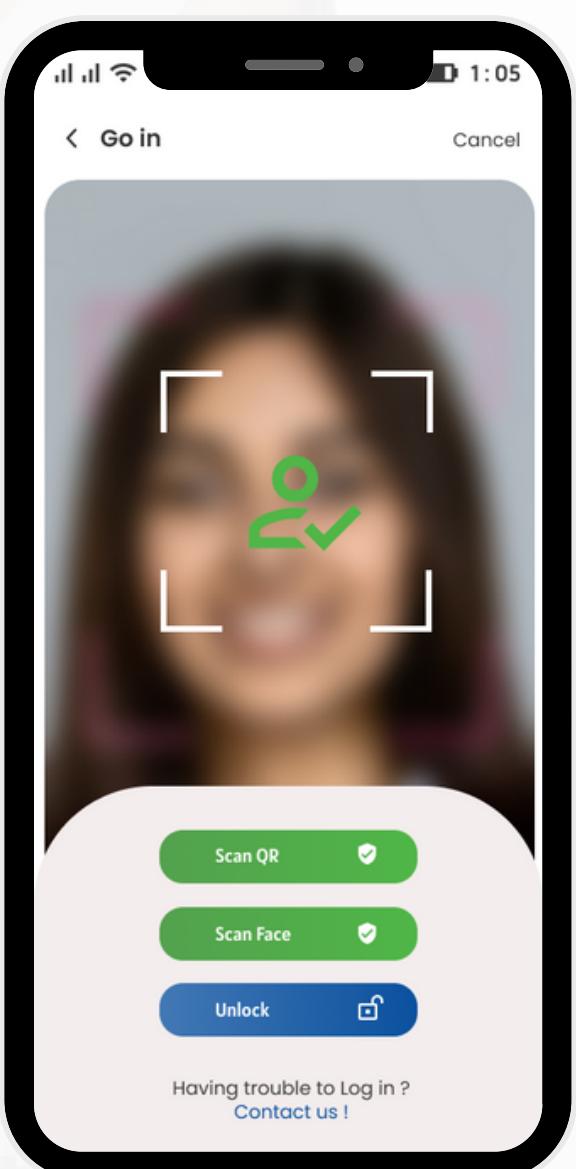
User Authentication



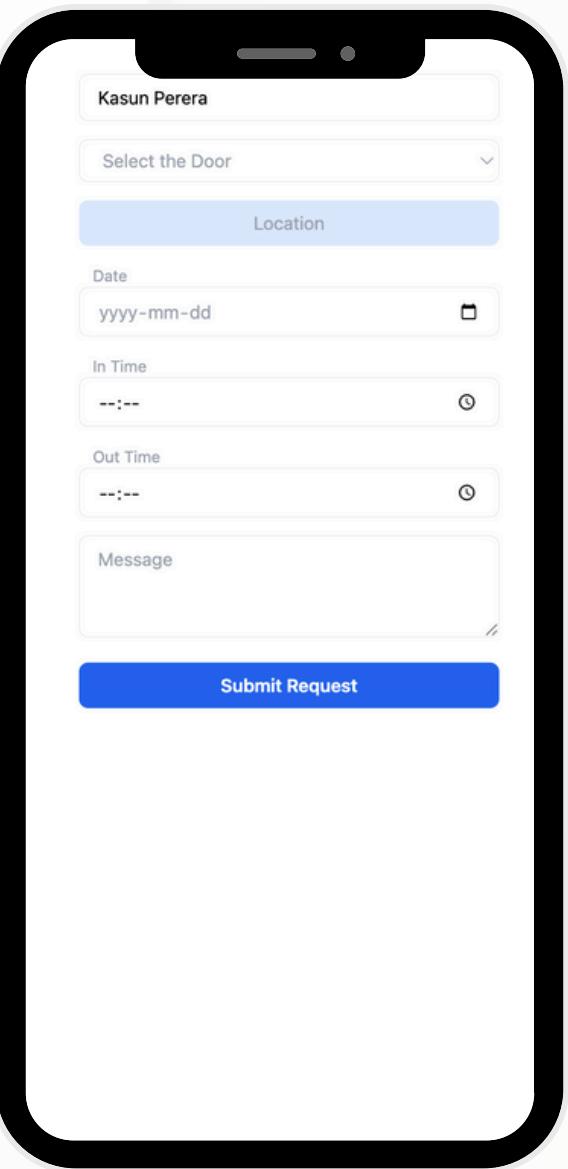
QR Code Scanning



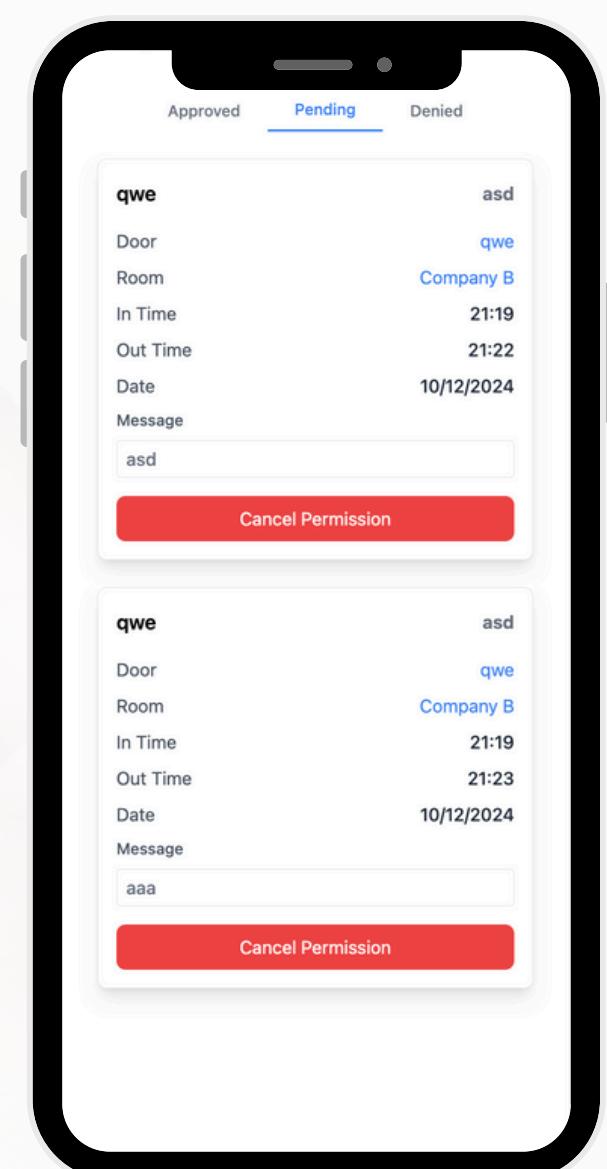
Facial Recognition



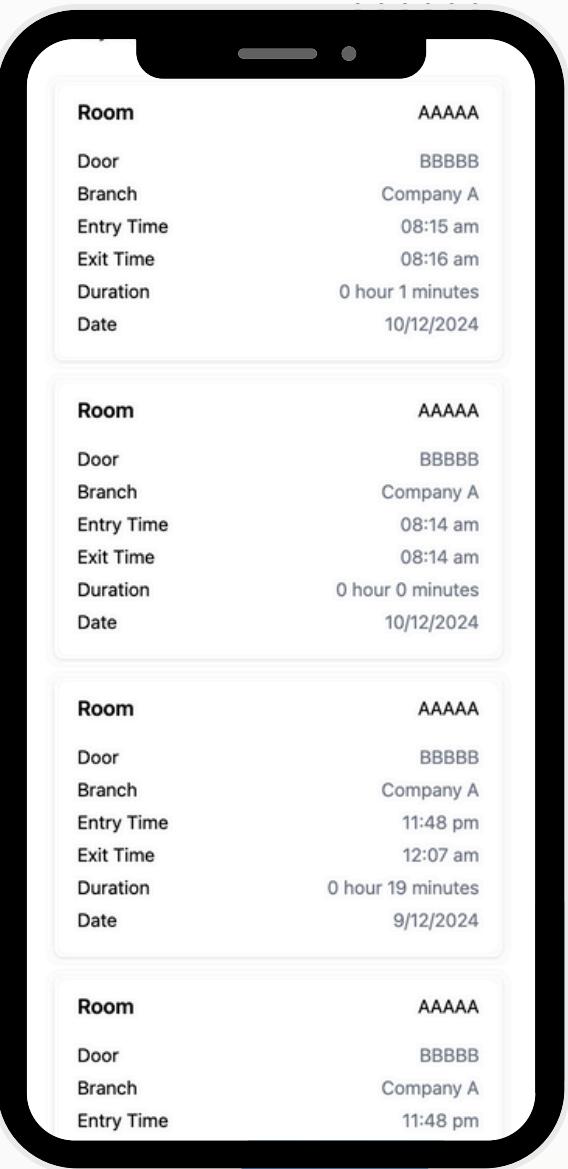
Ask Permission



My Permissions

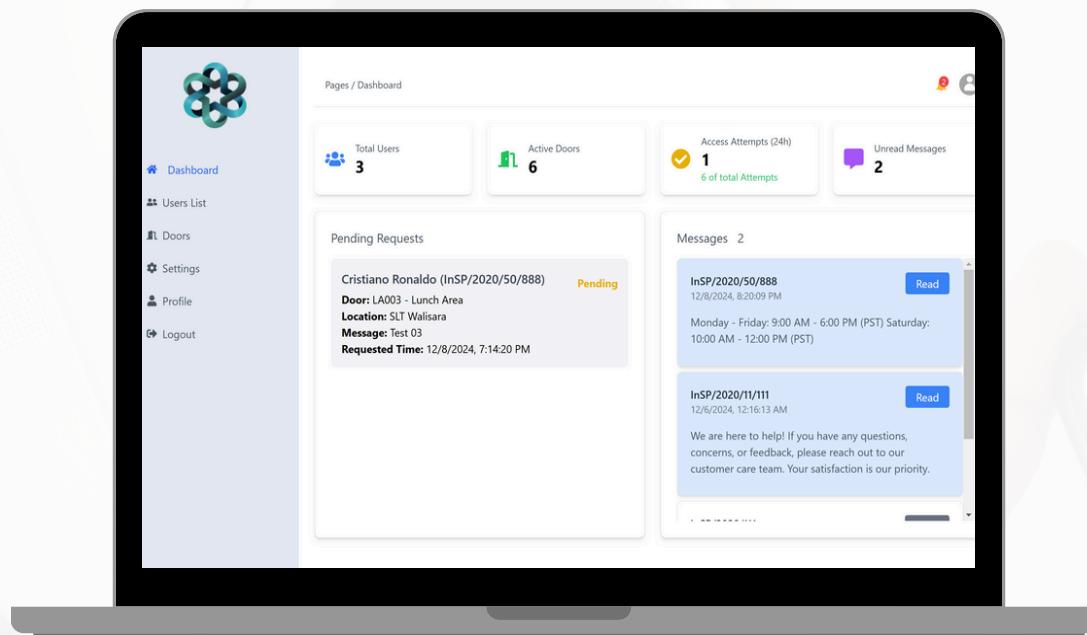


My LogBook

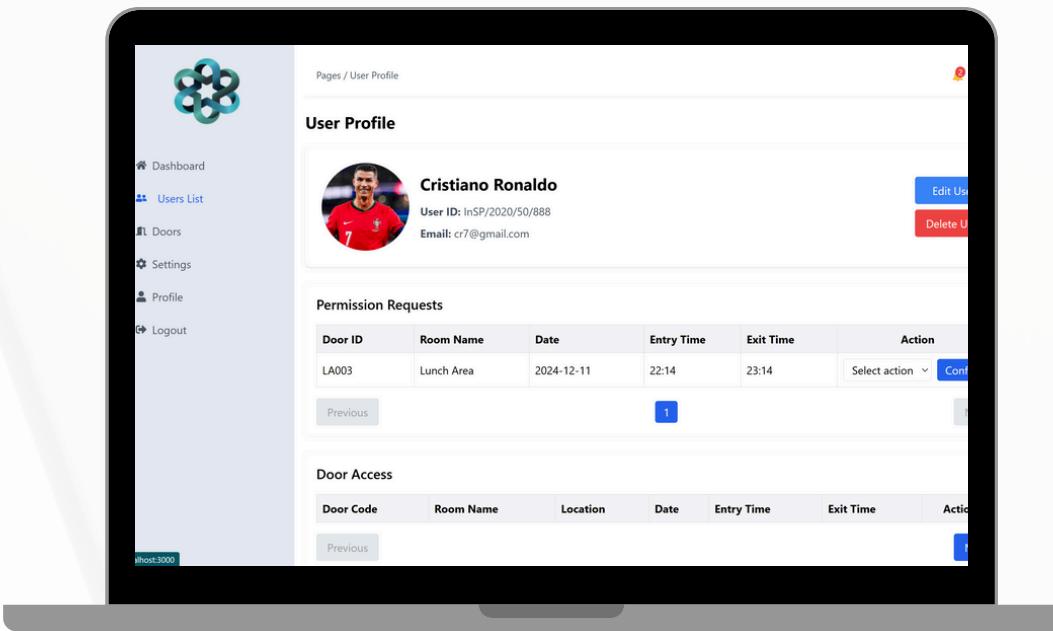


Web App Functionalities

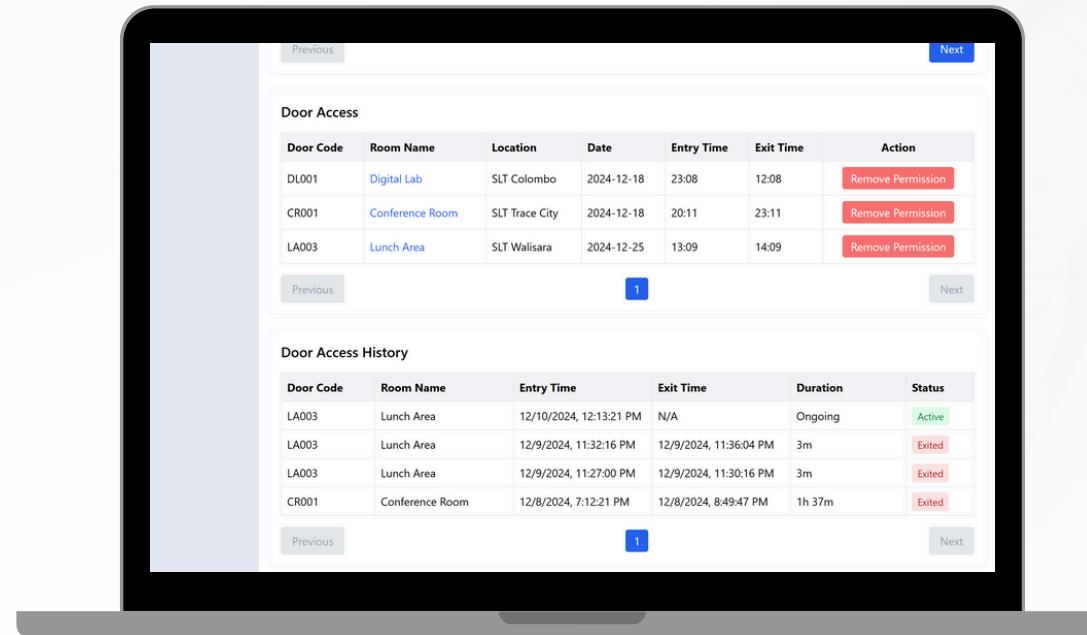
Admin Dashboard



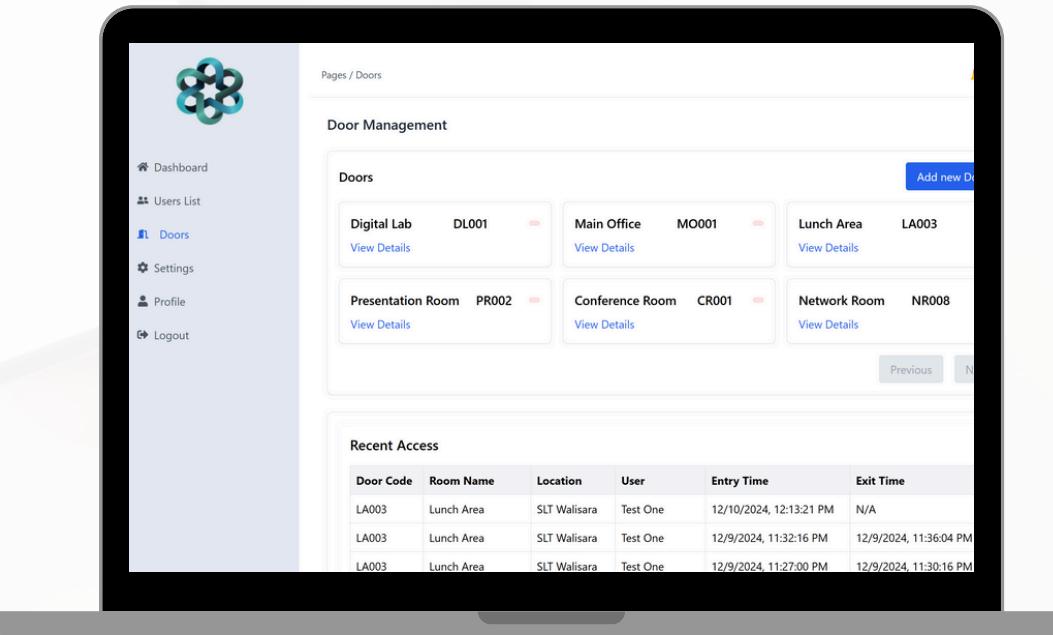
User Management



Access Request & History



Door Management



Benefits of the System

- 1. Enhanced Security:** Dual authentication through QR code and facial recognition ensures only authorized access.
- 2. Convenience:** Eliminates the need for physical access devices or scanners.
- 3. Scalability:** Can be implemented in multiple locations with minimal hardware requirements.
- 4. Ease of Management:** Admins can manage users and access remotely through a web application.
- 5. Auditability:** Detailed logs provide transparency and accountability.

User Flow

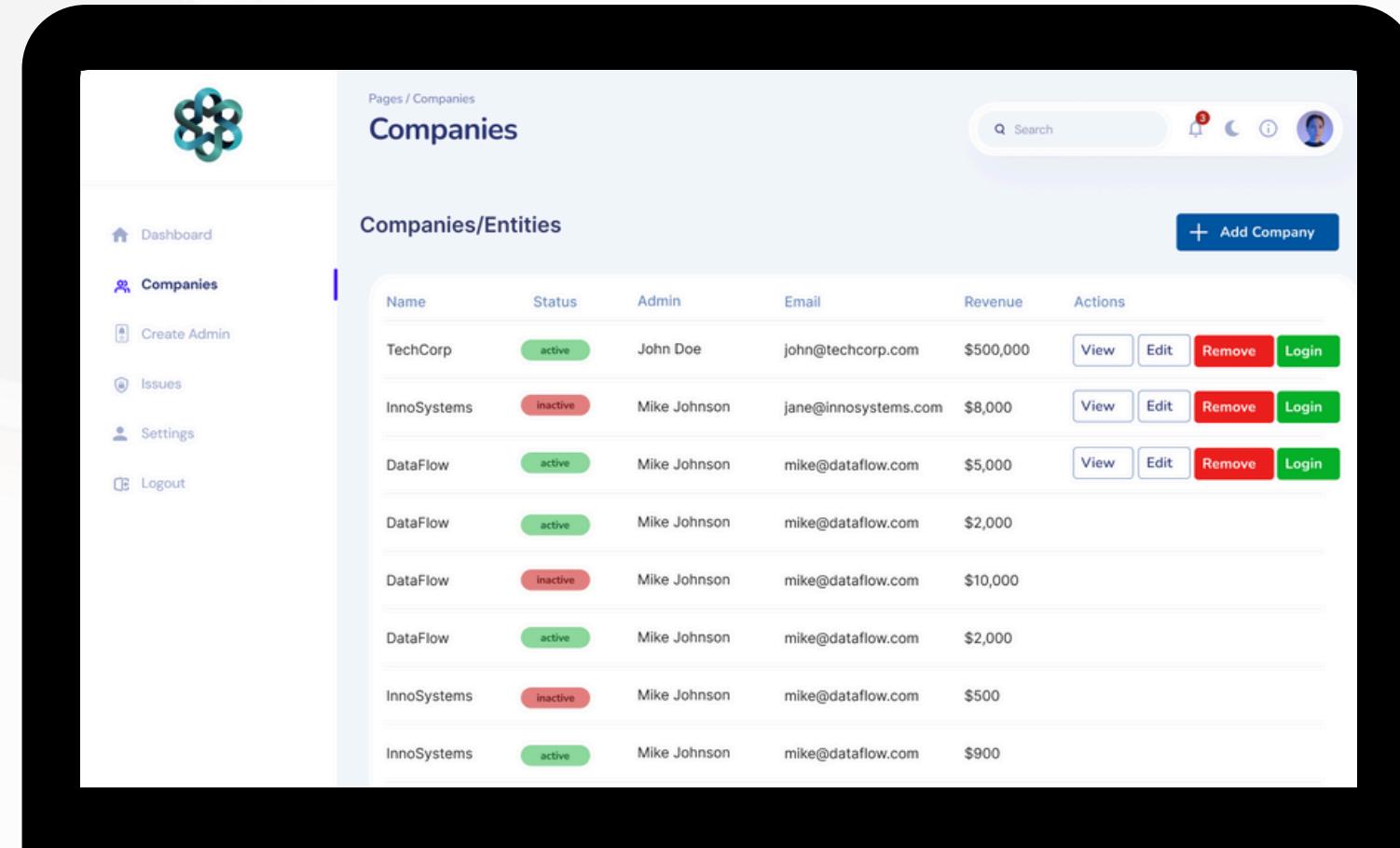
For Admins:

1. Create and manage user accounts through the web app.
2. Creating Doors and Generating QR Codes.
3. Review and approve or deny access requests.
4. Monitor user logs for suspicious activities.

For Users:

1. Login to the mobile app.
2. Face Registration
3. Request access to a specific door with details.
4. Scan QR code at the door.
5. Perform facial recognition.
6. Access granted if both authentications succeed.

Future Upgrades

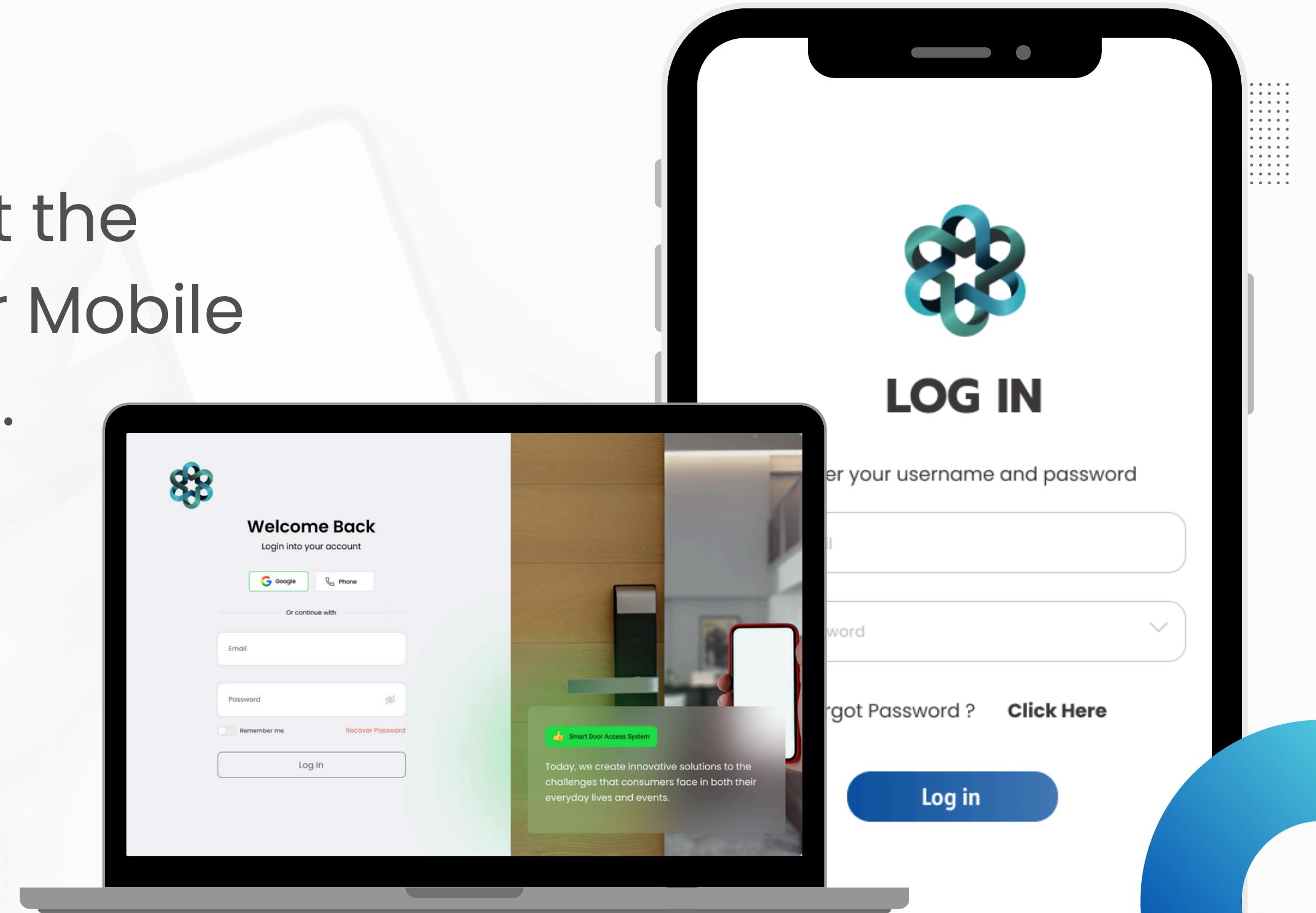


- Manage multiple web admins across various locations.
- Centralized control of user data and system configurations.
- Real-time monitoring of all doors and user activities.

Super Admin Web Application

System Demonstration

Let's take a look at the
Demonstration of our Mobile
App, Web App.



Thank You