# Employee Management System — Tester's Usage Guide

# Overview

This guide provides a comprehensive walkthrough for testing **Employee Management System**, emphasizing role-based access and permissions.

# Application Links

Component Link

Frontend <a href="https://employee-management-system-coral-two.vercel.a">https://employee-management-system-coral-two.vercel.a</a>

pp

Backend <a href="https://employee-management-system-3xbw.onrender.co">https://employee-management-system-3xbw.onrender.co</a>

m

Note: The backend is hosted on Render (free tier). Initial load time after inactivity may take 40–50 seconds.

# Getting Started — Logging In

#### **Master Admin Access**

• Email: masteradmin@gmail.com

• Password: masteradmin

Once logged in, the Master Admin can manage all system users and components. You can **create test users with different roles** and then log in to verify permissions.

# Default Login Rule for existing users in database for testing purposes:

If a user is created with email om@gmail.com, their password will be their first name — e.g. om.

## Role-Based Access Overview

Role	Create	Edit Users	Delete	View	Access	Notes
	Users		Users	Dashboar	User	
				d	List	

Master Admin	All roles	All roles	All roles	V	<b>~</b>	Full control
Admin	Manager, TL, User	Manager, TL, User + Direct Reports	Manager, TL, User + Direct Reports	$\overline{\checkmark}$	<b>~</b>	Cannot manage Admins or Master Admin
Manager	TL, User	TL, User + Direct Reports	TL, User + Direct Reports	$\overline{\checkmark}$	<b>~</b>	Cannot manage Admins or Master Admin
Team Leader	User	User + Direct Reports	User + Direct Reports		<b>▼</b>	Cannot manage Admins, Managers, TLs
User	×	×	×	V	×	Can only edit own profile

# Step-by-Step Testing Instructions

## 1. Master Admin: Full Access

- Navigate to the **Dashboard** to view global metrics.
- Go to the **Users** section to:
  - o Add users of any role.
  - o Edit all user details (except phone/password after creation).
  - o Delete any user.

## 2. Admin Role

- Use credentials of an admin user.
- Access users with roles ≤ Admin and direct reports.
- Test CRUD operations according to limitations.

## 3. Manager Role

- Login with a manager user.
- Perform operations on TLs and Users or direct reports.
- Ensure access aligns with permissions.

## 4. Team Leader Role

- Use t1 credentials.
- Add/edit/delete User role users or team members.
- Validate that TL cannot manage higher roles.

## 5. User Role

- Log in as a basic user.
- Ensure:
  - o Dashboard is personalized.
  - o User cannot see the "Users" page.
  - o Profile can be updated (except role and phone).