User Management & Security Overview

1. Secure Login System

- **Access Control:** The core posture analysis application is now protected by a secure login screen. Users must have a valid username (email) and password to access the functionality.

- **Password Security:** All user passwords are encrypted before being stored in the database, ensuring they are not visible to anyone.

- **Failed Login:** If a user enters incorrect credentials, they will see an error message advising them to contact an administrator to reset their password.

2. User Roles The system has two distinct user roles with different levels of access:

- **Admin:** Has full control over user management.

- **User:** Has standard access to the posture analysis application.

3. Admin Panel & Capabilities An administrator logs in with their own credentials and has access to a special "Admin Panel" in the sidebar with the following capabilities:

- **Create New Users:** Admins can create new user accounts by providing a full name and a unique email address (which serves as the username).

- **View All Users:** Admins can see a complete list of all registered users, including their role, creation date, and recent activity.

- **Password Reset:** Admins can select any user (except other admins) from a list and reset their password. The password will be reset to the user's email address, and the user will be required to set a new password upon their next login.

4. Standard User Account Features

- **Initial Login:** When a new user logs in for the first time, their temporary password is their email address. They are immediately required to create a new, private password before they can proceed.

- **Self-Service Password Change:** Any logged-in user can change their own password at any time through an option in the sidebar.

5. Activity & Analysis Tracking The system now tracks key user activities for reporting and auditing purposes:

- **Analysis Attribution:** Every posture analysis record saved to the cloud database is now linked to the email of the user who performed it.

- **Usage Metrics:** The system counts the number of times each user clicks the "Analyze Posture" and "Download PDF" buttons.

- **Last Login:** The date and time of each user's last login is recorded.

- **Admin Visibility:** All of these tracking metrics are visible to administrators in the user list within the Admin Panel.