**Admin Dashboard Page:**

A diagram of a user flow

AI-generated content may be incorrect.

**Database:**

**A computer screen shot of a computer

AI-generated content may be incorrect.**

**Functional Requirements (FRs)**

**User Management**

1. **FR1:** The system shall allow admins to fetch a list of all registered users**.**
2. **FR2:** The system shall allow admins to update user details (name, email, role).
3. **FR3:** The system shall allow admins to delete users after confirmation.
4. **FR4:** The system shall maintain activity logs for user modifications.
5. **FR5:** The system shall refresh the user list after an update or deletion.

**Statistics & Reporting**

1. **FR6**: The system shall display user role statistics (e.g., count of admins, users).
2. **FR7**: The system shall allow admins to fetch platform statistics on demand.
3. **FR8**: The system shall automatically update statistics after user modifications.

**Non-Functional Requirements (NFRs)**

**Performance & Security**

1. **NFR1**: The system should retrieve user lists in under 2 seconds.
2. **NFR2**: The system should support simultaneous admin operations without performance degradation.
3. **NFR3**: User data should be stored securely using password encryption.
4. **NFR4**: The system should implement role-based access control (RBAC) for admins.