

Employee Management System - Entity Relationship Diagram (ERD)

Entities:

1. Users

- UserId (PK)
- Username
- PasswordHash
- Email
- RoleId (FK)

2. Roles

- RoleId (PK)
- RoleName

3. Permissions

- PermissionId (PK)
- PermissionName

4. RolePermissions (Join Table)

- RolePermissionId (PK)
- RoleId (FK)
- PermissionId (FK)

5. Employees

- EmployeeId (PK)
- EmployeeCode (Unique)
- FirstName
- LastName
- Position
- Salary
- Currency
- IsActive

6. AuditLogs

- AuditLogId (PK)
- UserId (FK)
- Action
- EntityName
- EntityId
- Timestamp
- Changes

Relationships:

- Users (N) to Roles (1)
- Roles (N) to Permissions (N) through RolePermissions
- Users (1) to AuditLogs (N)
- AuditLogs logs actions on Employees using EntityName and EntityId fields.