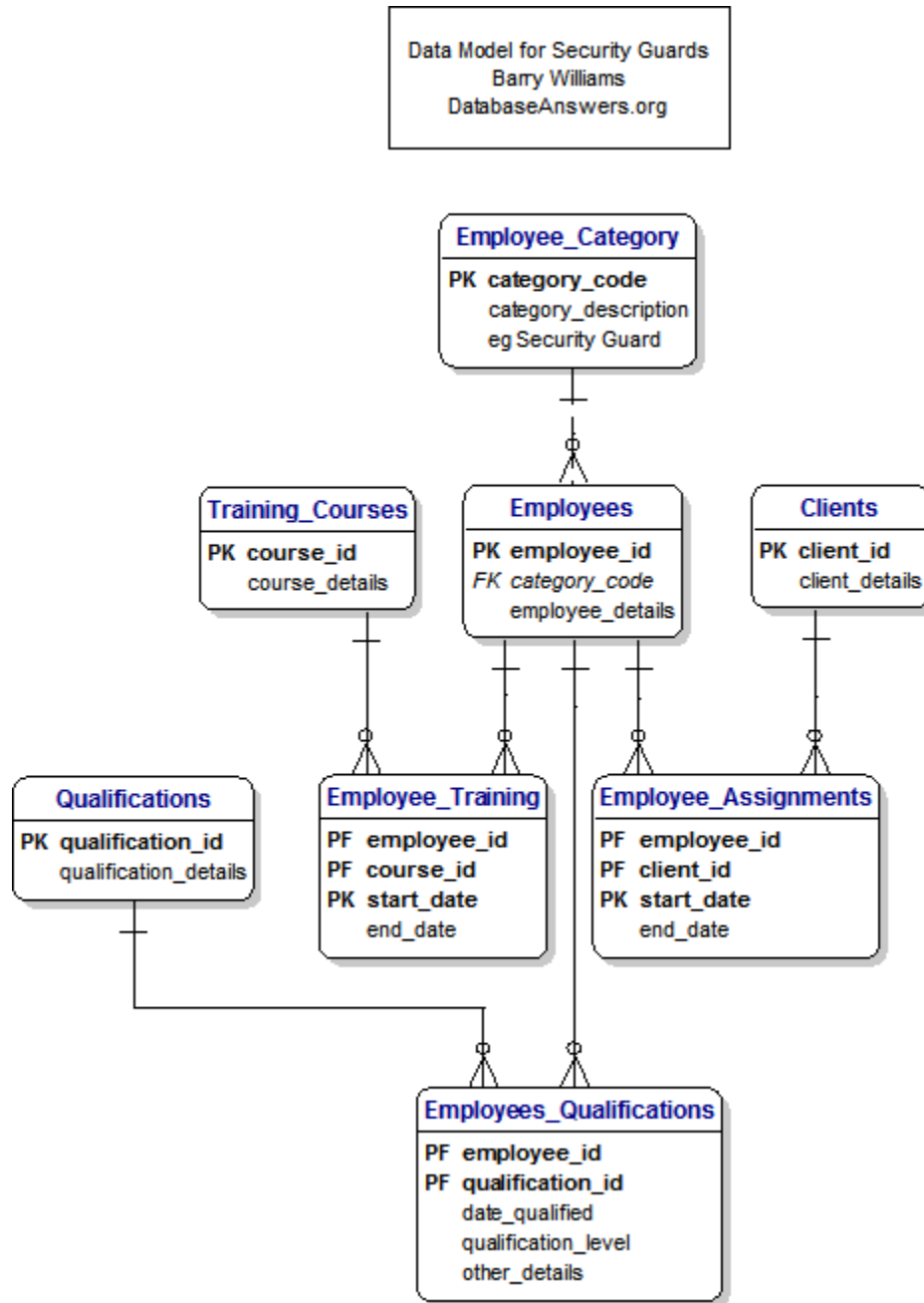


DATA MODAL FOR SECURITY GUARDS

Data model:

https://fordnox.github.io/databaseanswers/data_models/security_guards/index.htm



This is a Conceptual Data Model for a Security Guards Management System.

The system is designed to manage the daily operations of security services, including client management, staff assignments, and service tracking.

Original Scope & Key Components

1. Client Management

- **Client Details:** Includes personal information, contact details, and service history.
- **Assigned Guards:** Information about the security guards assigned to each client.

2. Employee Management

- **Staff Details:** Information about security guards, including their availability and contact details.
- **Assignments:** Tracking of daily assignments for each security guard.

3. Service Management

- **Service Catalog:** Details of services provided, including descriptions and pricing.
- **Service History:** Records of services rendered to clients.

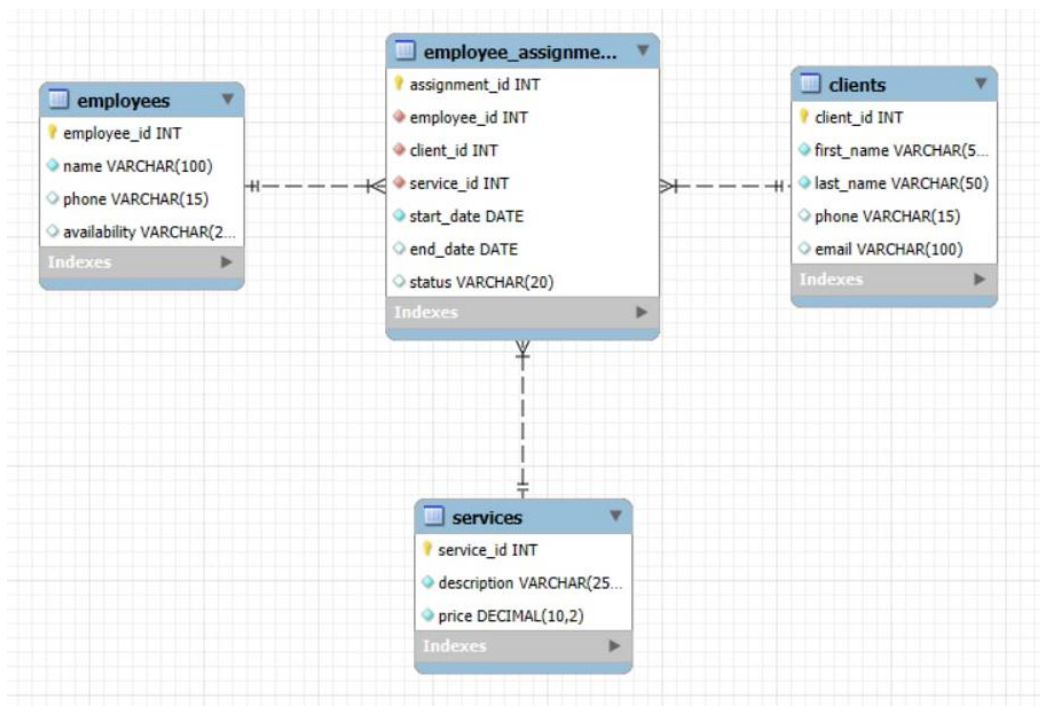
4. Assignment Management

- **Guard Assignments:** Linking security guards to specific clients and tracking the status of these assignments.

Original System

- **4 Core Tables:** Clients, Employees, Employee Assignments, and Services.
 - **Direct Relationships:** Clear foreign key relationships between tables to maintain data integrity.
 - **Basic Client Information:** Essential details for managing client relationships.
 - **Basic Assignment Tracking:** Simple tracking of security guard assignments to clients.
 - **Service Catalog:** A straightforward list of services offered to clients.
-

Minimized Scope - Essential Features Only



1. Clients

- `client_id`: Unique identifier for the client.
- `first_name`: Client's first name.
- `last_name`: Client's last name.
- `phone`: Client's contact number.
- `email`: Client's email address.

2. Employees (Security Guards)

- `employee_id`: Unique identifier for the employee.
- `name`: Employee's name.
- `phone`: Employee's contact number.
- `availability`: Status indicating if the guard is available or not.

3. Employee Assignments

- `assignment_id`: Unique identifier for the assignment.
- `employee_id`: Foreign key linking to the employee.
- `client_id`: Foreign key linking to the client.

- **start_date:** Date when the assignment starts.
- **end_date:** Date when the assignment ends.
- **status:** Current status of the assignment (active, completed, cancelled).

4. Services

- **service_id:** Unique identifier for the service.
 - **description:** Description of the service provided.
 - **price:** Cost of the service.
-

Example User Stories

1. As a Client

- "I want to view my assigned security guard."
- "I want to see my service history."

2. As a Staff Member (Security Guard)

- "I want to see my assignments for the day."
- "I want to update my availability status."

3. As a Receptionist (Administrator)

- "I want to create a new client."
- "I want to assign a security guard to a client."
- "I want to modify client information."
- "I want to delete a client."