

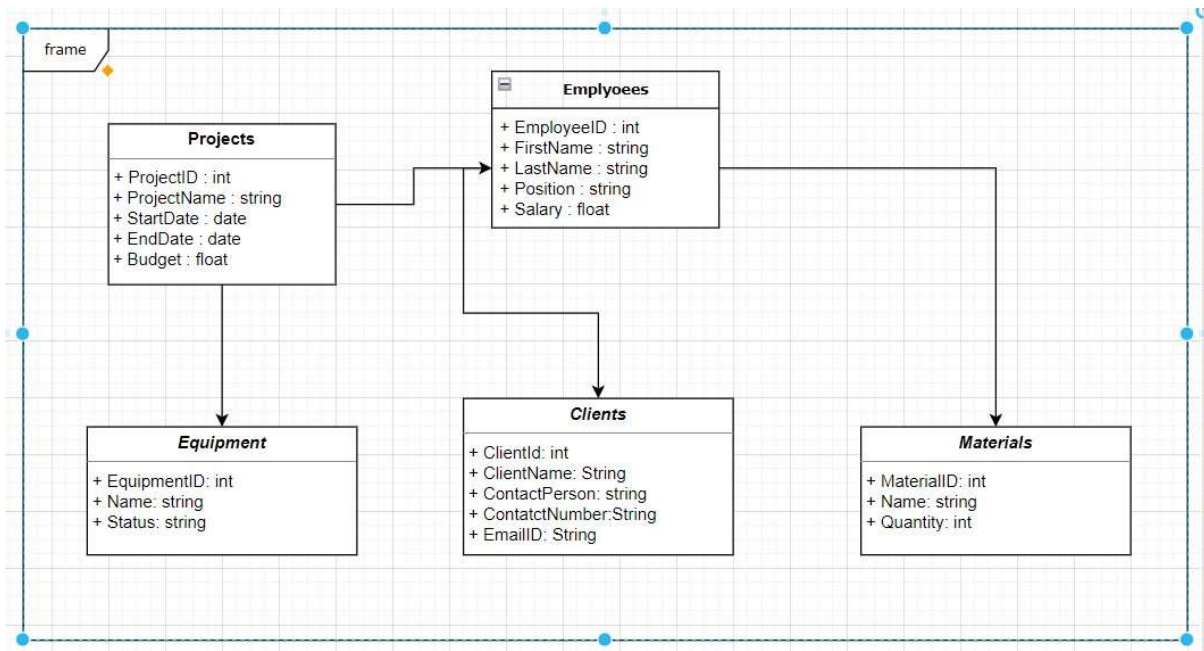
Database project Part -3

[GitHub - Apendota/Assignment2](#)

11th November 2023

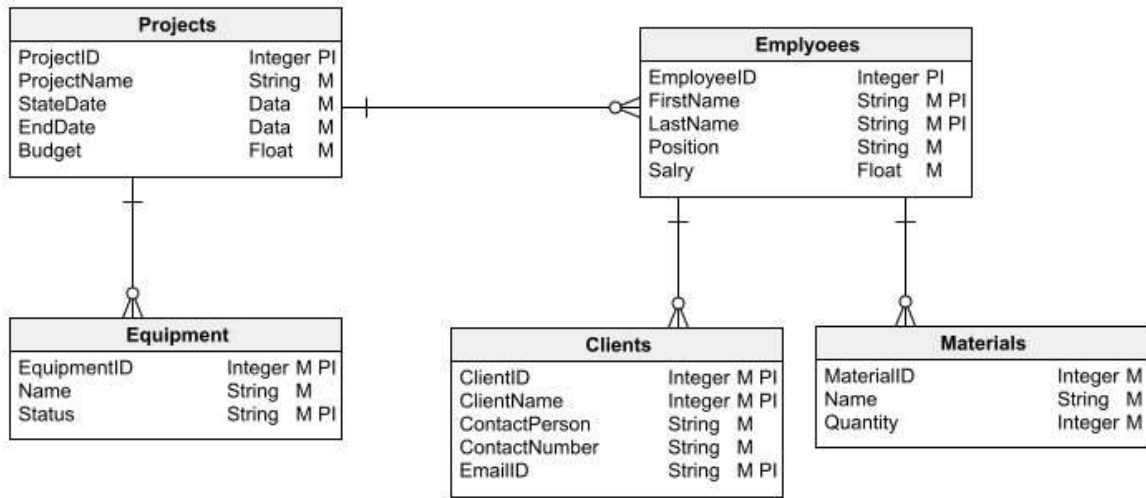
UML Diagram for Construction Business Management

Please find below the UML diagram representing the entities and their relationships in the construction business management system:



Crow's Foot Notation Diagram for Construction Business Management

Please find below the Crow's Foot notation diagram representing the entities and their relationships in the construction business management system:



Description of Relationships:

1. Projects to Employees: A project can have one or many employees working on it, but an employee can work on only one project at a time. (1 to many relationship)
2. Projects to Equipment: A project can require one or multiple pieces of equipment, but an equipment item can only be assigned to one project at a time. (1 to many relationship)
3. Projects to Materials: A project can utilize various materials, and a material can be used in one or multiple projects. (1 to many relationship)
4. Projects to Clients: A project can be commissioned by one client, but a client can commission multiple projects. (1 to many relationship)

This comprehensive system aims to effectively manage the various aspects of construction projects, ensuring smooth coordination between employees, equipment, materials,