**UML Class Diagram**

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**| DDDProject |**

**----------------------------------------------**

**| + Program |**

**| + Startup |**

**| + Controllers |**

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**| ProjectDbContext |**

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**| - Employee: DbSet<Employee> |**

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**| IEmployeeRepository |**

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**| + GetById(id: int): Employee |**

**| + GetAll(): List<Employee> |**

**| + Add(Employee: Employee): void |**

**| + Update(Employee: Employee): void |**

**| + Delete(id: int): void |**

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**| EmployeeRepository |**

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**| + GetById(id: int): Employee |**

**| + GetAll(): List<Employee> |**

**| + Add(Employee: Employee): void |**

**| + Update(Employee: Employee): void |**

**| + Delete(id: int): void |**

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**| EmployeeService |**

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**| - \_EmployeeRepository: IEmployeeRepository |**

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**| + GetEmployeeById(id: int): Employee |**

**| + GetAllEmployees(): List<Employee> |**

**| + CreateEmployee(Employee: Employee): void |**

**| + UpdateEmployee(Employee: Employee): void |**

**| + DeleteEmployee(id: int): void |**

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**| Employee |**

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**| - EmployeeId: int |**

**| - EmployeeDate: DateTime |**

**| - Total Amount: decimal |**

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**Explanation of the UML Diagram:**

**DDDProject:** Represents the main project namespace or assembly.

**MyDbContext:**

Manages the database context and includes a DbSet<Employee> for interacting with the Employee entities.

**Interfaces and Repositories:**

**IEmployeeRepository:** Defines methods for CRUD operations (GetById, GetAll, Add, Update, Delete) on Employee entities.

**EmployeeRepository:** Implements IEmployeeRepository and provides concrete implementations for the data access operations.

**EmployeeService:**

Implements business logic related to Employee entities.

Depends on IEmployeeRepository for data access operations (GetEmployeeById, CreateEmployee, UpdateEmployee, DeleteEmployee).

**Employee:**

Represents the Employee entity with attributes like EmployeeId, EmployeeDate, and Total Amount.

**Key Relationships:**

**Dependency Relationship:** EmployeeService depends on IEmployeeRepository for accessing and manipulating Employee data.

**Association Relationship:** ProjectDbContext has a composition relationship with DbSet<Employee>, indicating that it manages a collection of Employee entities.