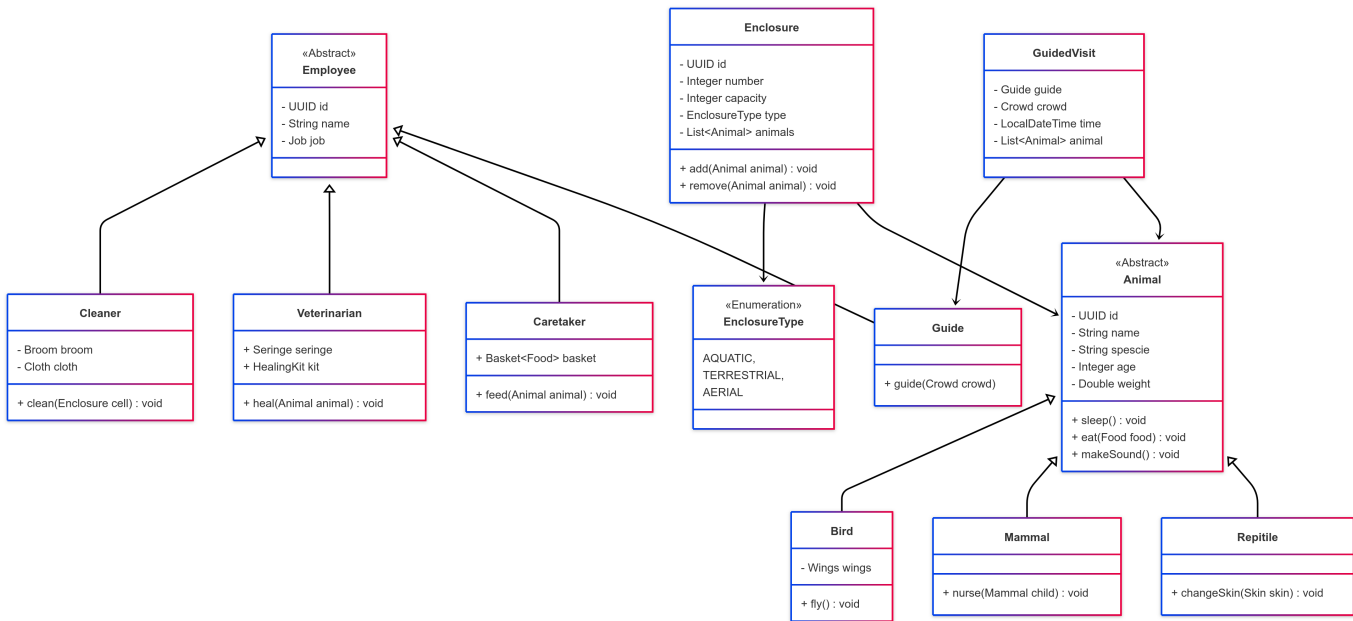# Atividade de Paradigmas

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Data: 28/03/2025

UML

Code

Estava testando uma ferramente de diagramação UML em texto, a Mermaid Chart, legal porém não gostei muito do resultado.

```
classDiagram
direction TB
    class Animal {
        - UUID id
        - String name
        - String spescie
        - Integer age
        - Double weight
        + sleep() void
        + eat(Food food) void
        + makeSound() void
    }

    class Bird {
        - Wings wings
        + fly() void
    }

    class Mammal {
```

```
        + nurse(Mammal child) void
    }

    class Repitile {
        + changeSkin(Skin skin) void
    }

    class Employee {
        - UUID id
        - String name
        - Job job
    }

    class Cleaner {
        - Broom broom
        - Cloth cloth
        + clean(Enclosure cell) void
    }

    class Veterinarian {
        + Seringe seringe
        + HealingKit kit
        + heal(Animal animal) void
    }

    class Caretaker {
        + Basket~Food~ basket
        + feed(Animal animal) void
    }

    class Guide {
        + guide(Crowd crowd)
    }

    class Enclosure {
        - UUID id
        - Integer number
        - Integer capacity
        - EnclosureType type
        - List~Animal~ animals
        + add(Animal animal) void
        + remove(Animal animal) void
    }

    class EnclosureType {
        AQUATIC,
        TERRESTRIAL,
        AERIAL
    }

    class GuidedVisit {
        - Guide guide
        - Crowd crowd
        - LocalDateTime time
```

```
        - List~Animal~ animal
    }

    <> Animal
    <> Employee
    <> EnclosureType

    Animal <|-- Bird
    Animal <|-- Mammal
    Animal <|-- Repitile
    Employee <|-- Cleaner
    Employee <|-- Veterinarian
    Employee <|-- Caretaker
    Employee <|-- Guide
    Enclosure --> EnclosureType
    Enclosure --> Animal
    GuidedVisit --> Guide
    GuidedVisit --> Animal
    Caretaker -- EnclosureType
```