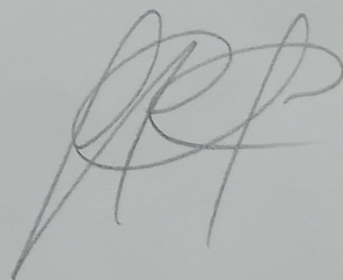


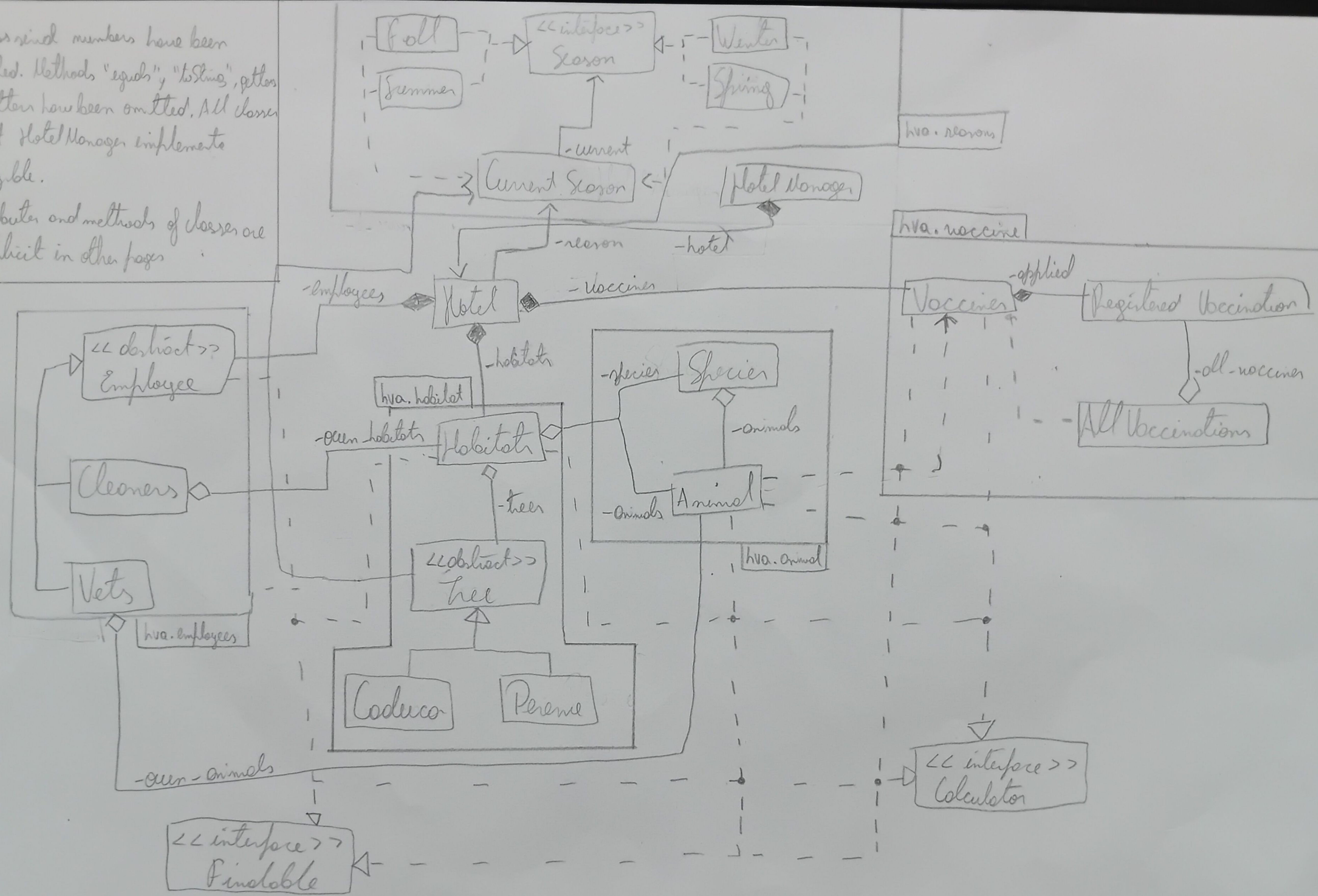
Declaro pela minha honra que este
diagrama foi realizado apenas pelo elemento
que constitui o grupo

Francisco Pereira
IST 109625



Class and members have been omitted. Methods "equals", "toString", "getter" and "setter" have been omitted. All classes except HotelManager implements Serializable.

Attributes and methods of classes are explicit in other pages



Classes Employee, Habitat, Animal and Vaccines implement both Serializable and Calculator

Habitat

- hotel: Hotel

- h-Key: String

- name: String

- area: int

- adjustments: Map (Species, int)

+ remove Animal (animal: Animal): void

+ add Animal (animal: Animal): void

+ Show Tree Data (reason: Season): String

+ Show Deer Animals (): void

+ add Tree (id: String, name: String, age: int, diff: double, type: String): void

LLInterpreter >>
Seasons
+ next Season (Season: Season): void

Current Season
- season: Seasons
+ next Season(): void

Vaccines
- vaccine-key: String
- name: String
- hotel: Hotel
+ vaccinate (id: String, animal-id: String, vet-id: String): double

Registered Vaccination
- id-vaccine: String
- id-animal: String
- id-vet: String
- damage: String

All Vaccinations
+ Show All Vaccination(): void
+ Show Animal Vaccines (id-animal: String): void
+ Wrong Vaccination(): void
+ Medical Acts (vet-id: String): void

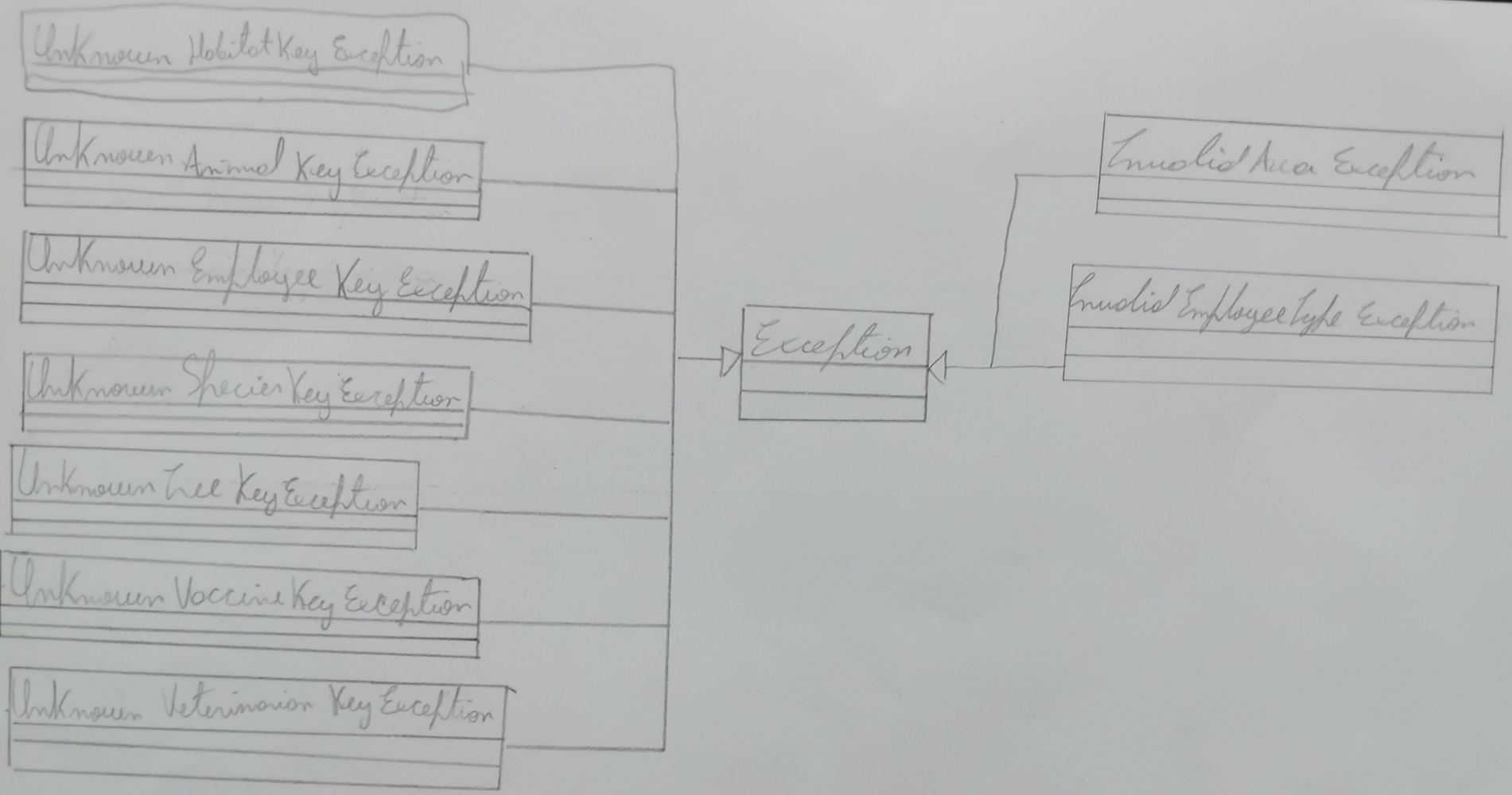
LLObject >>
Employee
- hotel: Hotel
- name: String
- employee-key: String
+ add Responsibility (id: String): void
+ remove Responsibility (id: String): void

Species
- vet: Vets
- hotel: Hotel
- name: String
- species-key: String

Animal
- species: Species
- animal-key: String
- name: String
- habitat: Habitat
- h-history: List <String>
+ change Habitat (other: Habitat): void
+ update History (damage: double): void
+ Show History(): void

LLObject >>
Tree
- tree-key: String
- habitat: Habitat
- name: String
- age: int
- difficulty: double
- bio state: String
- p-Season: Seasons
+ get-tree(): void

Coderca
+ Change Bio State(): void
Perame
+ change Bio State(): void



Hotel Manager

- filename: String

- + Save(): void
- + SaveAS(name: String): void
- + Load(name: String): void
- + ImportFile(textfile: String): void
- + Find(id: String): Object
- + Register Animal(id: String, name: String, species-id: String, h-id: String): void
- + ShowCurrent Season(): void
- + Show Satisfaction(): void
- + Transfer(id: String, mem-h-id: String): void
- + Register Employee(id: String, name: String, type: String): void
- + Register Vaccine(id: String, name: String, species: String): void
- + Vaccinate(id: String, animal-id: String, vet-id: String): double
- + next Season(): void
- + Show Medical Actr(id: String): void
- + Show Vaccines(): void
- + Show Wrong Vaccines(): void
- + Show Animals(): void
- + Show Habitat(): void
- + Change Area(other: int, id: String): void
- + Register Habitat(name: String, id: String, area: int): void
- + add hotel(): void

Hotel

- + register New Animal (animal-id: String, name: String, species-id: String, h-id: String): void
- + Show All Animals(): void
- + Show Global Satisfaction(): void
- + next Season(): void
- + Show Current Season(): void
- + find (id: String): Object
- + transfer Animal (animal-id: String, new-h-id: String): void
- + Register Employee (id: String, name: String, type: String): void
- + Show All Habitats(): void
- + Register Habitat (id: String, name: String, area: int): void
- + Show Animal Satisfaction (id: String): void
- + Show Employee Satisfaction (id: String): void
- + Show All Trees (id: habitat): void
- + Plant Tree (id: String): void
- + Register Vaccine (id: String, name: String, species-id: String): void
- + Show All Vaccines(): void

<< interface >>
Calculator

+ calculate Satisfaction(): double
+ calculate Damage(): double
+ cleaning Difficulty(): double

<< interface >>
Findable

+ find ID(): String