

hva. core. exceptions

Import File Exception

Missing File Association Exception

Unavailable File Exception

Unrecognized Entry Exception

Duplicate Animal Exception

Duplicate Employee Exception

Duplicate Habitat Exception

Duplicate Tree Exception

Duplicate Vaccine Exception

File Open Failed Exception

No Responsibility Exception

Unknown Animal Exception

Unknown Employee Exception

Unknown Habitat Exception

Unknown Species Exception

Unknown Tree Exception

Unknown Vaccine Exception

Unknown Veterinarian Exception

Veterinarian Not Authorised Exception

HotelManager

- hotel : Hotel

+ save() : void

+ saveAs(filename : String) : void

+ load(filename : String) : void

+ importFile(filename : String) : void

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo do projeto. Renato Pestana

Hotel

- season : Season

- habitatKeys : List<String>

- animalKeys : List<String>

- speciesKeys : List<String>

- treeKeys : List<String>

- employeeKeys : List<String>

- vaccineKeys : List<String>

- vaccineHistory : List<List<String>>

+ advanceSeason() : void

+ showAllAnimals() : void

+ registerAnimal(key : String, name : String, speKey : String, habKey : String) : void

+ transferToHabitat(key : String, habKey : String) : void

+ showSatisfactionOfAnimal(key : String) : void

+ showAllTrees() : void

+ cleaningEffort(key : String) : int

+ showAllEmployees() : void

+ registerEmployee(key : String, name : String, type : String) : void

+ addResponsibility(key : String) : void

+ removeResponsibility(key : String) : void

+ showSatisfactionOfEmployee(key : String) : void

+ showAllHabitats() : void

+ registerHabitat(key : String, name : String, area : int) : void

+ changeHabitatArea(key : String, area : int) : void

+ changeHabitatInfluence(key : String, speKey : String, influence : String) : void

+ addTreeToHabitat(key : String, treeKey : String, nameT : String, baseDf : int, type : String) : void

+ showVaccines() : void

+ registerVaccine(key : String, name : String, speKey : String) : void

+ vaccinateAnimal(key : String, vetKey : String, aniKey : String) : void

+ showVaccinations() : void

+ showAnimalsInHabitat(key : String) : void

+ showMedicalActsOnAnimal(key : String) : void

+ showMedicalActsByVeterinarian(key : String) : void

+ showVaccVaccinations() : void

+ importFile(filename : String) : void

Animal

- Key: String
- name: String
- speciesKey: String
- healthState: List<String>
- habitatKey: String

+ Animal (Key: String, name: String, species: Species, habitatKey: String)
 + calculateSatisfaction(): int
 + addHealthState(healthState: String): void

Species

- Key: String
 - name: String
 - animalKeys: List<String>
- + Species (Key: String, name: String)
 + addAnimal(animalKey: String): void

<<abstract>> Employee

- Key: String
 - name: String
- + Employee (Key: String, name: String)
 + Satisfaction(): int
 + work(): int

Keeper

- habitatKeys: List<String>
- + addResponsibility(habitatKey: String): void

Veterinarian

- speciesKey: List<String>
- + addResponsibility(speciesKey: String): void

<<abstract>> Twea

- Key: String
 - name: String
 - age: int
 - baseCleaningDifficulty: int
 - initialSeason: String <final>
- + Twea (Key: String, name: String, baseDiff: int)
 + increaseAge(): void
 + cleaningEffort(): int
 + seasonalEffort(): int

Cleaning Twea

Vaccine

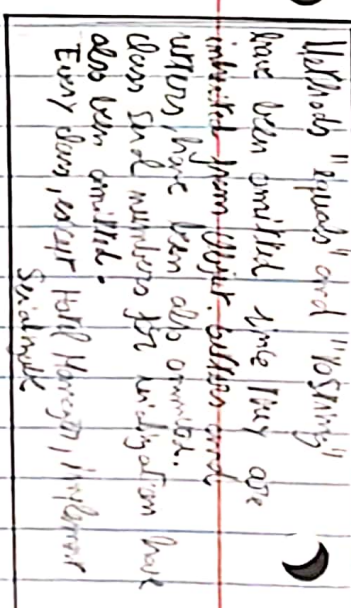
- Key: String
 - name: String
 - speciesKeys: List<String>
 - applicationCounter: int
- + Vaccine (Key: String, name: String, speciesKeys: List<String>)

<<enumeration>> Season

- + Spring
- + Summer
- + fall
- + winter

Habitat

- Key: String
 - name: String
 - area: int
 - animalKeys: List<String>
 - treeKeys: List<String>
 - speciesInfluence: Map<String, Integer>
- + addAnimal (Key: String): void
 + getAdaptation (SpeciesKey: String): int
 + addTree (Key: String): void



Scanned with
CamScanner