

Duplicate Animal May Exception Duplicate Habitatkey Exception Deplite Species Key Exception D Exception Dydretaleccinellestreption Dydrate Treekey Exception Dujdret Employakey Exception

Species - species ID: String - name: String - Lanimels: List < Animal> + addAnismal (animal: Animal): void + nemove Animal (animal D: String) void 14 abstrect >> Employee -employee ID: string - employee Name: Thing - - setisfaction: double Vaccine

Vaccine ID: String

- name: String

- applicable Species: List < Species>

- application History: Map < Animal Neterinarians

+ exhaulate Darmage (animal: Animal): double

Animal
-animal ID: String
-name: String
-name: String
-species: Species
-healthstate: Lest String>
-satisfaction: double
+calculate Satisfaction (Kalritel: Habitet): double

Caretakers

-habitats: List < Habitat >

+ alculate Stisfation (habitat: Habitat): double.

Veterinarian

-species Handled: List < Species >

+ calculate Stisfation (species: Species): double

« interfece » SatisfactionCalculation + exhalctesatisfaction (): double Habitat
--habitat ID: Jung
--habitat Name: String
-- area: int
-- arimels: List Animal>
-- adequay: Hap < Species; Jung>
-- trees: List < Tree>

- tee ID: String
- name: String
- age: int
- type: TreeType
- season: Seasons
- eleaning Difficulty: int
- eleaning Effort: double
+ calculate Cleaning Effort(): double

The Type

+ DECIDUOUS

+ EVERGREEN

Tree

SPRING
SUMMER
AUTUMN
WINTEG
+ calculatelleaning ffort (tre: Tree): double founded
+ calculatelleaning fort (tre: Tree): double founded

and and and

HotelMareger

=_lotel: Hotel

-_filenene: String

+ save(): void

+ save(): void

+ load (filenen: String): void

+ importFile(filene: String): void

Hotel - all Species: list < Species > -allAnimels: List < Animal> - _allHabitats: list < Habitats - all Employees: List < Employee> - all Vacines: List « Vaceine > - all Trees: list < Tree> + acateSpecies (id: String, name: String): void + deletispecies (id: string): void + create Animal (id: String, name: string, SID: String, hID: String): void + dulate Animal (ad : Stry): road + create Habitel (id: string, name: string, are: int): void + delete Habital (id: Shing): void + add Trees to Habitet (id: string): void + acatiEmployee(id: String, nam: string): void + delete Employer (id: String): void + Bentlaccine (id: Strum, none: String): void + deletelaccine (id: String): void + add Species to been (it Stry): mid + next nee (ed: String, none: String, age: int, differently: evt, type: string): and + obliture (od: thing) : vind + importfile (filenou: String): void

Toão Veixeira (97226)

Declares por minha honza que este diagrama poi recilizado apenas pelos elementos que constituem o grapo do projeto

Afonso Calinas (102373)

Declares por minha home que este disgrama fri realizado apenas pelas elementes que constituem o grupo do projeto.