Client

- name:String
- phoneNumber:String
- address:String
- rewardsInfo:RewardsProfile

+ Client(name:String, phoneNumber:String, address:String)
+ enrollRewards(newNumber:String): boolean
+ getRewardsPoints(): int
+ getRewardsNumber(): String
+ getName(): String
+ setName(name:String)
+ getPhoneNumber(): String
+ setPhoneNumber(num:String)
+ getAddress(): String
+ setAddress(address:String)
+ updatePoints(addPoints:int)

Pet

- NAME:String
- SPECIES:String
- BREED:String
- COLOUR:String
- vaccineStatus:boolean = false
- owner:Client
- vet:EmergVet
- care:CareProfile

+ Pet(name:String, species:String, breed:String, colour:String, owner:Client)
+ setVet(vet:EmergVet)
+ getVet(): EmergVet
+ updateVaccineStatus(change:boolean)
+ getVaccineStatus():boolean
+ setCare(meds:String[], medInstr:String, feedingInstr:String)
+ getCareSummary(): String
+ getOwner(): Client
+ setOwner(updateOwner:Client)
+ getName(): String
+ getSpecies(): String
+ getBreed(): String
+ getColour(): String

EmergVet

- name:String
- phoneNum:String

+ EmergVet(name:String, phoneNumber:String)
+ getName(): String
+ getPhoneNum(): String

CareProfile

- medList:String[]
- medInstructions:String
- feedingInstructions:String

+ CareProfile(medList:String[], meds:String, feeding:String)
+ summarizeCareInstructions(): String

RewardsProfile

- rewardsNum:String = "Not enrolled"
- pointsTotal:int = 10;

+ RewardsProfile()
+ RewardsProfile(newNumber:String)
+ setPoints(addPoints:int)
+ getPoints(): int
+ getNumber(): String

InvalidRewardsNumException

+ InvalidRewardsNumException()

<< throws >>

Booking

- STARTDATE:String
- ENDDATE:String
- BOOKEDPET:Pet
- CAREGIVER:Employee

+ Booking(pet:Pet, assigned:Employee, startDate:String, endDate:String)
+ getStartDate(): String
+ getEndDate(): String
+ getBookedPet(): Pet
+ getCaregiver(): Employee

Employee

- name:String
- IDNUMBER:String
- managerID:String
- supervisedEmployees:Employee[]

+ Employee(name:String, idNumber:String)
+ Employee(name:String, idNumber:String, managerID:String)
+ getName(): String
+ setName(name:String)
+ getIDNumber(): String
+ getManagerID(): String
+ setManagerID(newManager: String)
+ addEmployee(newEmployee:Employee)
+ getEmployees(): Employee[]

Manages

0..10

ReportCard

- REPORT:Booking

+ ReportCard(reportInfo:Booking)
+ printReport(): String

<< uses >>

Exercise 10.3
Pet Booking System UML