

Veterinary Clinic

Vincent Gnodle | March 12, 2023

Owner
<div>- name: String - dob: String -phoneNumber: String - transactions: ArrayList<int></div>
<div>+ Owner(name, dob, phoneNumber) + addAnimal(Animal): String +toString(): String</div>

Animal
<div>- name : String - age: int - type: String - location: String = "Waiting" - allergies: ArrayList<String> - medications: ArrayList<String> - drNotes: ArrayList <String> - treatHistory: ArrayList <String></div>
<div>+ Animal(name, age, location) + Animal(name, age, location, type) + toString(): String + getType(): String + setType(String): void + toString(): String</div>

Clinic
<div>- name: String = "Noodles Vet Clinic"</div>
<div>+ Surgery(Animal): + Recovery(Animal) + Grooming(Animal) + Waiting(Animal) + drOffice(Animal)</div>

Main
<div>+ Menu() + treatmentMenu() + addPT(String) + payBill(String) + option1() +</div>

Dog
<div>- breed: String</div>
<div>+ Dog(String)</div>

Cat
<div>- breed: String</div>
<div>+ Cat(String)</div>

Bird
<div>- breed: String</div>
<div>+ Bird(String)</div>

Calendar
<div>- calendar: Arraylist<String></div>
<div>+ Calendar() + isAvailable(String): String + schedule(String): String + deleteApt(String): String</div>

Treatment
<div>- treatmentList: ArrayList<String>=Current treatments - surgeryPrice: int = 300 - groomingPrice: int = 80 - checkupPrice: int =50</div>
<div>+ addTreament(String): void + removeTreatment(String): void + performSurgery(Animal): + performGrooming(Animal): performCheckup(Animal): + performRecovery(Animal): + scheduleTreatment(Animal):</div>

Inventory
<div>- medications: int = 0 - officeSupply: int = 0 - medSupply: int = 0 - medication_price: int = 50 -office_price : = 20 - medSupply_price: int = 100</div>
<div>+ addMedications() + addOfficeSupplies() + addMedicalSupply() + removeInventory() + getItem() + checkInventory()</div>

Patient_Registry
<div>- registry: ArrayList<Animal></div>
<div>+ Patient_Registry(Animal) + addPT(Animal): void + getPT(String): Animal + animalSearch(String): Animal + ownerSearch(String, int): Owner</div>

Transactions
<div>- totalSpent: static int = 0 - totalEarned: static int = 0 - billingIncome: static int = 0 - officeExpenses: static int = 0 - medicationExpenses: static int = 0 - supplyExpenses: static int = 0</div>
<div>+ billPaid(billedAmt, paidAmt): void + purchaseMeds() + purchaseOffice() + purchaseSupply() + profit() +getReport() + resetExpenses() + resetIncome()</div>