

Veterinary Clinic

Vincent Gnodle | March 12, 2023

Owner
<div>- name: String - dob: String -phoneNumber: String - transactions: ArrayList<int> - bill: 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" - treatmentList: ArrayList<String>=Current treatments</div>
<div>+Clinic("Noodles Vet Clinic") + Surgery(Animal): void + Recovery(Animal): void + Grooming(Animal): void + Waiting(Animal): void + drOffice(Animal): void</div>

Main
<div>+ Main_Menu(): void + customer_menu(): void + employee_menu(): void + treatmentMenu(): void + newCustomerMenu(): void + billingMenu(): void + schedulingMenu(): void + placeAnimalMenu(Animal): void + generateReport(): String +inventoryMenu(): void</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>- surgeryPrice: int = 300 - groomingPrice: int = 80 - checkupPrice: int =50</div>
<div>+ Treatment() + addTreament(Animal): void + performSurgery(Animal): void + performGrooming(Animal): void performCheckup(Animal): void + performRecovery(Animal): void + scheduleTreatment(Animal): void</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>+ Inventory() + changeMedications(int): void + changeOfficeSupplies(int): void + changeMedicalSupply(int): void + checkInventory(): String</div>

Patient_Registry
<div>- registry: ArrayList<Animal></div>
<div>+ Patient_Registry() + addPT(Animal, Owner): void + getPT(String): Animal + animalSearch(String): Animal + ownerSearch(String): 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(int): void + purchaseOffice(int): void + purchaseSupply(int): void + calcProfit(): int +getReport(month): String + resetExpenses(): void + resetIncome(): void +addTransactions()Owner: void</div>