Pet -name: String -sex: String -age: int -weight: double -ID: int -price: double +Pet(name: String, sex: String, age: int, weight: double, ID: int, price: double) +Pet(name: String, sex: String, age: int, weight: double) +getID(): int +setID(ID: int): void +getPrice(): double +setPrice(price: double): void +getName(): String +setName(name: String): void +getSex(): String +setSex(sex: String): void +getAge(): void +setAge(age: int): void +getWeight(): double +setWeight(weight: double): void +compareTo(pet: Pet): int <<Interface>> Comparable +compareTo(pet: Pet): int PremiumMember -name: String -memberId: int

-name: String
-memberld: int
-newsLetterSubscribed: boolean
-dogsOwned: ArrayList<Dog>
-catsOwned: ArrayList<Cat>
-exoticPetsOwned: ArrayList<ExoticPet>
-duesPaid: boolean
-amountSpent: double

+PremiumMember(name: String, memberID: int, newsLetterSubscribed: boolean, duesPaid: boolean)
+isDuesPaid(): boolean

+setDuesPaid(duesPaid: boolean): void +getName(): String +getMemberID(): int +isNewsLetterSubscribed(): boolean

+getDogsOwned(): ArrayList<Dog> +getCatsOwned(): ArrayList<Cat>

+getExoticPetsOwned(): ArrayList<ExoticPet>

+getAmountSpent(): double +setName(name: String): void

+setMemberID(memberID: int): void

+setNewsLetterSubscribed(newsletterSubscribed: boolean): void

+setAmountSpent(amountSpent: double): void

+addDog(dog: Dog): void +addCat(cat: Cat): void

+addExoticPet(exoticPet: ExoticPt): void

+addPet(pet: Pet): void

+displayPets(member: PremiumMember): void

Cat

-breed: String

+Cat(name: String, breed: String sex: String,age: int, weight: double, ID: int, price: double)
+Cat(name: String, breed: String sex: String,age: int, weight: double)
+getBreed(): String
+setBreed(): void

Dog

-breed: String

+Dog(name: String, breed: String sex: String,age: int, weight: double, ID: int, price: double)
+Dog(name: String, breed: String sex: String,age: int, weight: double)
+getBreed(): String
+setBreed(): void

ExoticPet

-species: String

+ExoticPet(name: String, species: String sex: String,age: int, weight: double, ID: int, price: double)
+ExoticPet(name: String, species: String sex: String,age: int, weight: double)
+getSpecies(): String
+setSpecies(): void

Member

-name: String
-memberld: int
-newsLetterSubscribed: boolean
-dogsOwned: ArrayList<Dog>
-catsOwned: ArrayList<Cat>
-exoticPetsOwned: ArrayList<ExoticPet>
-amountSpent: double

+ Member (name: String, member ID: int, news Letter Subscribed: boolean)

+getName(): String +getMemberID(): int

+isNewsLetterSubscribed(): boolean +getDogsOwned(): ArrayList<Dog> +getCatsOwned(): ArrayList<Cat>

+getExoticPetsOwned(): ArrayList<ExoticPet>
+getAmountSpent(): double

+setName(name: String): void +setMemberID(memberID: int): void

+setNewsLetterSubscribed(newsletterSubscribed: boolean): void

+setAmountSpent(amountSpent: double): void +addDog(dog: Dog): void

+addCat(cat: Cat): void

+addExoticPet(exoticPet: ExoticPt): void +addPet(pet: Pet): void

+displayPets(member: Member): void

Main

+ main(args: String∏): void

-purchase(petStore: PetStore, scnr: Scanner, cart: ArrayList<Pet>): void -checkout(petStore: PetStore, scnr: Scanner, cart: ArrayList<Pet>): void -registerNewPet(petStore: PetStore, scnr: Scanner): void -addPettoList(petStore: PetStore, scnr: Scanner, pet: Pet): void -registerNewMember(petStore: PetStore, scnr: Scanner): boolean -compareTwoPets(petStore: PetStore): void PetStore

-storeName: String
-availableDogs: ArrayList<Dog>
-availableCats: ArrayList<Cat>
-availableExoticPets: ArrayList<ExoticPets>
-availablePets: ArrayList<Pet>
-memberList: ArrayList<Member>
-premiumMemberList: ArrayList<PremiumMember>
-nextPetID: int
-nextMemberID: int

+PetStore(storeName: String) +getNextPetID(): int +getNextMemberID(): int +getDog(index: int): Pet +getCat(index: int): Pet +getExoticPetindex: int): Pet +getPetindex: int, type: int): Pet +getStoreName(): String +setStoreName(storeName: String): void +getAvailableDogs(): ArrayList<Dog> +setAvailableDogs(availableDogs ArrayList<Dog>): void +getAvailableCats(): ArrayList<Cat> +setAvailableCats(availableCats ArrayList<Cat>): void +getAvailableExoticPets(): ArrayList<ExoticPet> +setAvailableExoticPets(availableExoticPets ArrayList<ExoticPet>): void +getAvailablePets(): ArrayList<Pet> +setAvailablePets(availablePets ArrayList<Pet>): void +getMemberList(): ArrayList<Member> +setMemberList(memberList: ArrayList<Member>): void +getPremiumMemberList(): ArrayList<PremiumMember> +setPremiumMemberList(premiumMemberList: ArrayList<PremiumMember>): void +removePet(type: String, index: int): void +addNewMember(name: String, premium: boolean): void +adoptionDrive(petList: ArrayList<Pet>): void +inventoryValue(): double addPets(numOfPets: int): void

<<Interface>>
PetStoreSpecification

+adoptionDrive(pet: ArrayList<Pet>): void +inventoryValue(): double