User

+ search()

+donate(petProvider)

UserAccount

+ accountID: int

+ firstName: String

+ lastName: String

+ city: String

+ state: String

+ zipCode: int

+ Pets[]: int

+generateAccountID():int

+editAccountDetails(firstName, lastName, city, state, zipCode): void

+editProfileAppeatance():void

+adopt(): int

Global Administrator

+ blockUser(userID): void

+ deleteAccount(UserID): void

+deletePage():Void

AnonymousUser

+Search():void

+donate(PetProvider):void

PetProviderAccount

+petProviderID[]:int

+addNewPets(name,species) :int

+accountID():int

+setAccountId(id): void

+getFirst():String

+setfirst(firstName):void

+claimPetPage(pets[]):void

+getState():String

+getCity():String

+setAddress(city, state, zip): void

+getLast():String

+setLast(lastName):void

+getzipCode():String

Verifier

+ verifyUserAccountActivationCode(code):boolean

+verifyPetProviderAccount(code):boolean

+verifyAdministratorRightsCode(code):boolean

+verifyMedicalRecordsAccess(petID, accountID): void

petProviderAdmAccount

+addNewAdm(petProviderID) :void

+petProviderProfileEditor(firstName, lastName, city, state, zipCode):void

editPetProviderProfApp():void

VeterinarianAccount

+animalTypes[]:String

+ vetID: int

+ patients[]

+addMedicalRecords(petID):void

+editMedicalRecords(petID):void

PetProvider

+city: String

+state:String

+zipCode:String

+petTypes[]:String

+petProviderID:String

+donationInfo(accountNum):void

Each Pet has a pet profile which has a pet provider

PetProfile

+petID:int

+vetID:int

+owner: int

+medicalRecords[]:String

+breed:String

+color:String

+generatePetID():int

+transfer_petPage(destinationAccountID):void

+viewMedicalRecords(accoundID):void

+viewFullPicture():void

setOwnerID(ownerID):void

+petProfileEditor():void

+getVetID():int
+setPetID(petID):void
+getPetID():int

+getOwnerID():int

+setVetID(vetID):void

+setBreed(breed):void

+getColor():String

+setColor(color):void

+getBreed():String

other

+animalTyple():String

Rabbit

+rabbit():void

Bird

+bird():void

+doesFiy():void

Cat

+isFriendly():boolean

+cat():void

All animals will behave the same just different qualities

Dog

+tricks():String

+dog():void

PetOfTheWeek

+Database():PetProfile

3 random pets in the
pets database will be
picked every week at
midnight saturday

App

+initialize():void

+render():void

UserNameAndPasswordManager

+verifyLogin():boolean

Payment Processor

+payments():payment

+onAuthorize(data,actions):void

+onCancel(data):void

+payPalButton():paypalbutton

Text

DatabaseManager

+users:String[]

+Pets:String[]

+PetProviders:String[]

+Items:String

+populatePets():void

+populatePetProviders():void

+deletePets():void   +deleteProviders():void

+populateUsers():void

+deleteUsers():void

+updateUsers/Pets/PetProviders():void

INTERFACE SPECIFICATION: PAYMENT

<<interface>> verification

sendInfo(card_information): verify
// information sends to stripe and they verify
saveInfo(card_information):verify
//they will return to us the verified information which
we will save

<<interface>> Card Information

enterCard(card_info): iVerify

enterName(card_info): iVerify

enterPin(card_info):iVerify
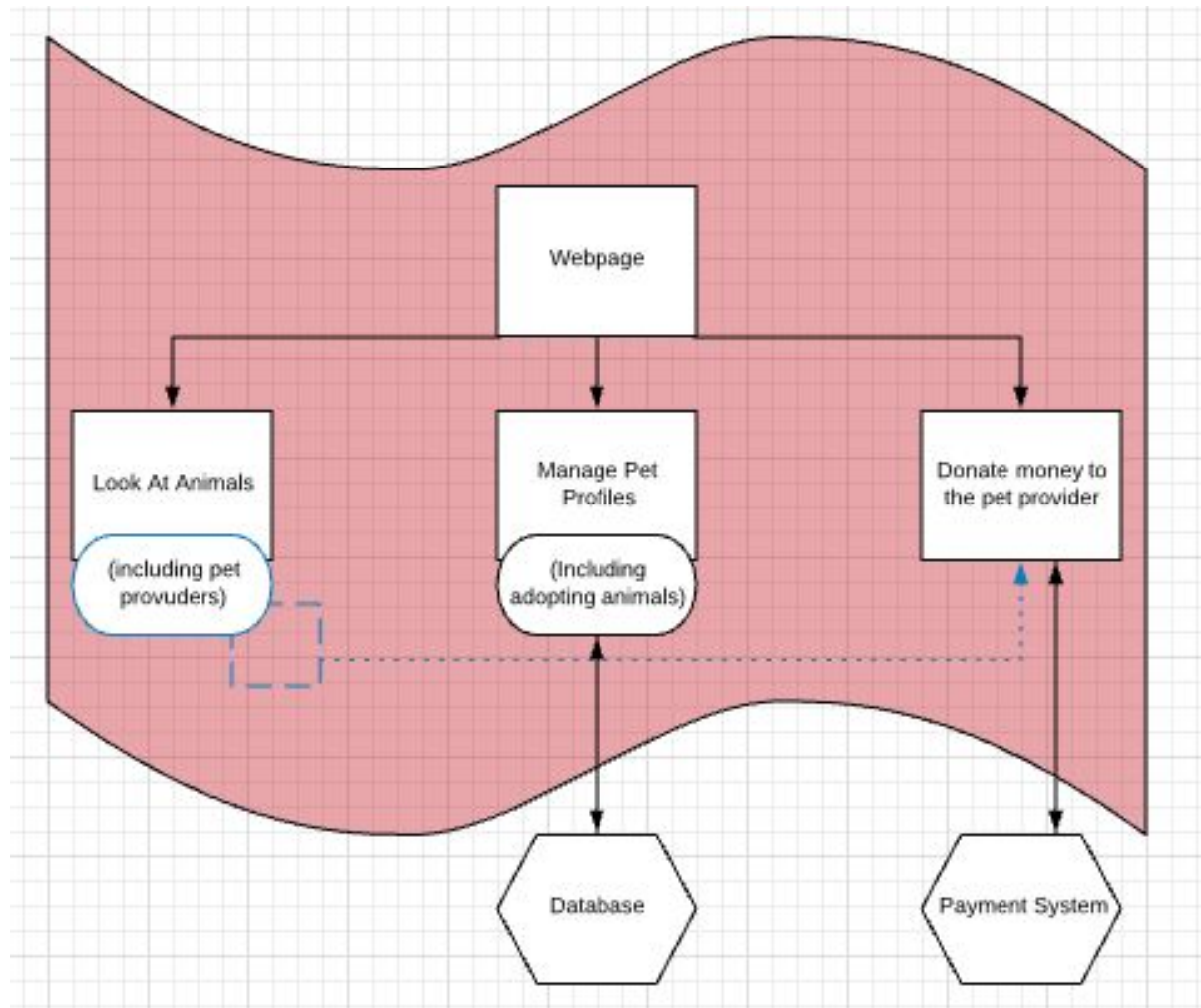
```
┌─────────────────────────────────┐
│                                 │
│   Interface spec (website GUI)  │
│                                 │
├─────────────────────────────────┤
│                                 │
│   pushButton(cardInformation)   │
│                                 │
├─────────────────────────────────┤
│                                 │
│                                 │
│                                 │
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│                                 │
│                                 │
└─────────────────────────────────┘
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┌─────────────────────────────────┐
│                                 │
│             paypal              │
│                                 │
├─────────────────────────────────┤
│                                 │
│           Validation()          │
│                                 │
├─────────────────────────────────┤
│                                 │
│           sendInfoBakc()        │
│                                 │
├─────────────────────────────────┤
│                                 │
│                                 │
│                                 │
└─────────────────────────────────┘
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