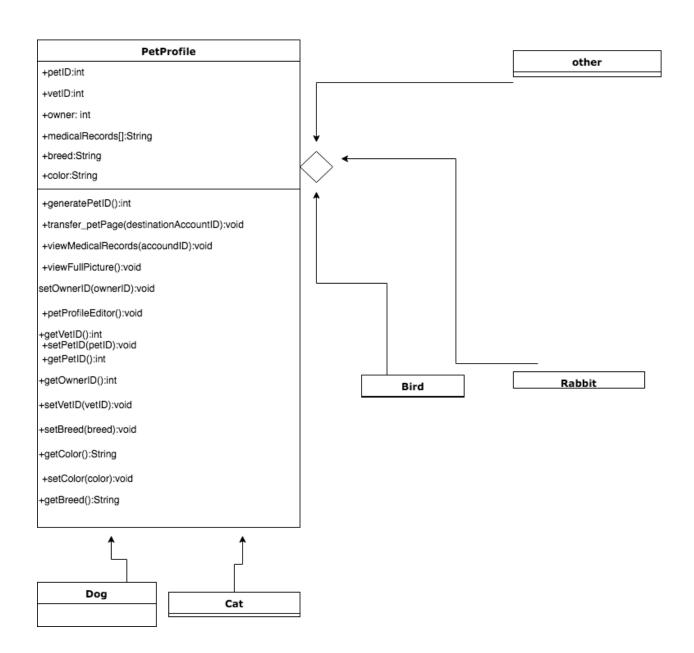
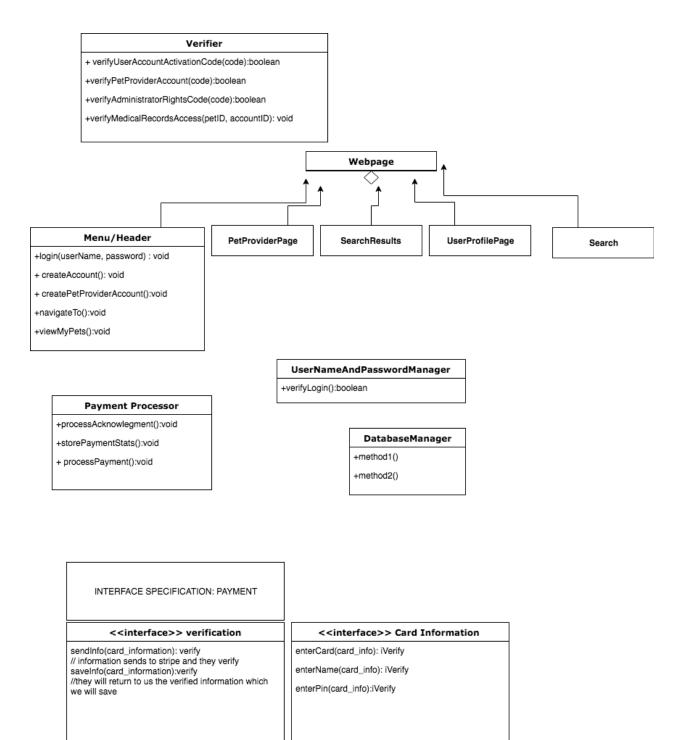


PetProvider +city: String +state:String +zipCode:String +petProviderID:String +donationInfo(accountNum):void





<u>User</u>

//Anonymous at this level

```
Search()
                      //Remember, browsing is just a special case of searching
donate(PetProvider)
//Instantiated at login.
UserAccount
accountID
                      //unique code for the account (might be generated by DB)
//userName
                      //?? Should probably use a username/password manager
firstName
lastName
City
                      //Location information might be used in some searches.
state
zipCode
Pets[]
                      //Pets administrated by the profile. Enables "view my pets" quickly
generateAccountID() //Might be handled by the DB
editAccountDetails()
                             //This is the actual information for the account
editProfileAppearance()
                             //This is just how the account displays
adopt()
                      //The function that processes an adoption confirmation code.
                      //Calls a verification routine handled by the Verifier.
       PetProviderAccount (type of useraccount, non-admin, such as a volunteer)
                             //These are codes for the adoption facilities/vets, different
       petProviderID[]
                             //from the accountID for the user.
                             //Why an array? They might work for more than one.
       addNewPet() //Allows the creation of a pet page. Only by pet providers?
       setters/getters
       claimPetPage()
                             //Sometimes the adoption center needs to forcibly claim a
                             //pet's page.
              PetProviderAdmAccount
              addNewAdministrator(petProviderID) //Give administrator rights to a PPaccount
              petProviderProfileEditor()
                                                     //Edits this's profile deets
              editPetProviderProfileAppearance()
                                                     //edits the actual display
              <u>VeterinarianAccount</u> (special type of PetProvider)
              animalTypes[]
                                     //?? (Some vets only treat certain types of animals)
              vetID
                                     //A special ID code
```

```
//If this vet treats a pet, it should be able to look up its patients. Similar to
                      // "my pets" but this is shared by a vet facility.
                      patients[]
                      addMedicalRecords(petID)
                      editMedicalRecords(petID)
                                                           //Should use a verifier (see below)
              GlobalAdministrator
                                            //Has admin rights for the ENTIRE site
              blockUser()
                                     //for some definitions of "delete"
              deleteAccount()
              deletePage()
              //Needs to be able to edit any profile's or page's details
//This is the actual pet provider facility, not someone who uses it.
//Should be dynamically generated from DB info.
PetProvider
                             //Location information used in searching.
       city
       state
       zipCode
       petProviderID
                             //The unique code for this facility.
       //Letting the PetProvider object keep its own pets array allows anonymous access
       Pets[]
       donationInfo
                             //Don't know what this is yet.
//Should be dynamically generated from DB info.
PetProfile
       petID
                             //A special unique code for the animal
                             //The ID of this's veterinarian
       vetID
                             //??
       medicalRecords[]
       owner
                             //ID of the pet's administrator
       breed
       color
       generatePetID()
                             //this might be a temporary thing, until the animal is chipped,
                             //or some animals might not be chipale and we need a way to
                             //keep track of them
       transfer PetPage(destinationAccountID)
                                                   //A user sends this to another user
       viewMedicalRecords(accountID)
                                            //Display the medical records stored in DB
```

```
//must verify account has access.
                                            //Some script to blow up the thumbnail
       viewFullPicture()
       petProfileEditor()
       getters/setters
       //Even without special characteristics for the subtypes, remember that the
       //concept of "is a type of" is in many OO languages; helps with search or DB
       Dog
       Cat
       Rabbit
       Bird
                                     //could be different options for each type of animal
       Other
              characteristic1
                                     //for searching ... if you think of any, name them
              characteristic2
                                     //or we should really make the customer name them ...
               characteristic3
//Instantiated when the system is loaded.
                      //validates codes
Verifier
       verifyUserAccountActivationCode(code)
       verifyPetProviderAccount(code)
       verifyAdministratorRightsCode(code)
       verifyMedicalRecordsAccess(petID, accountID)
                      //These should be HTML, so take "display()" as read.
Webpage
       <u>Homepage</u>
       Menu/Header
                                     //Stuff that's initializable from any page in the domain.
              login(username, password)
                                                    //Need a secure manager ...
              createAccount()
                      createPetProviderAccount()
              navigateTo...()
                                     //Obviously just e.g. hyperlinks in the menu
                                     //Displays, as if search results, the profiles in this's pets[]
              viewMyPets()
       //Dynamically generated from objects.
       <u>PetProviderPage</u>
                                     //Display mechanism
       <u>UserProfilePage</u>
                                     //display mechanism for the User account details
       Search
                                     //For advanced search options
       Search Results
                                     //includes Browsing, View My Pets, etc.
```

<u>PaymentProcessor</u> //lives in a frame on a pet provider profile, but it's its own thing

processPayment() //This should just load the payment processor plugin

storePaymentStats() //Keep some stats like the amount donated?

processAcknowledgment() //Depends on the implementation inherent in the plugin

<u>UserNameAndPasswordManager</u>

verifyLogin() //Whatever this entails.

DatabaseManager

//Fill in as we get more familiar with the database

method1() method2()

