Questions and assumptions

* An animal can have at most 2 breads
* An animal must have a breed
* It is not possible for a breed to have 0 animals
* Animals can have multiple breeds
* An animal must have 1 and only 1 sire and dam
* An animal can only have 1 breeder
* A breeder is an organization, not an individual (no need to change name to fName,etc)
* A breeder can have bred more than 1 animal
* An animal must have been breed by a breeder
* An animal may be owned by a multitude of people
* An animal may not have an owner
* An owner can own a multitude of animals
* Decided to not have a registry, as it would only have 1 record in it (similar to the theatre in the example in class)
* It is not possible to add a species that doesn’t have a breed
* One ownership can only be owned by 1 person

Final Schema

* Animal(IDNumber, breedID(FK), breederID(FK), date of birth, name, fancy name, sire, dam)
  + Constraints:
    - Animal(breedID(FK)) references multiBreeds(breedID)
    - Animal(breederID(FK)) references Breeder(breederID)
    - Animal(sire(FK)) references Animal(IDNumber)
    - Animal(dam(FK)) references animal(IDNumber)
* Breeder(breederID, name, city, street, street num, country)
  + Constraints: NA
* Ownership(ownershipID, IDNumber(FK), ownerID(FK), ownershipDate)
  + Constraints:
    - Ownership(IDNumber(FK)) references Animal(IDNumber)
    - Ownership(ownerID(FK)) references Owner(ownerID)
* Owner( ownerID, fname, lName, city, street, prov, phone number)
  + Constraints:NA
* multiBreeds(breedID(FK), IDNumber(FK))
  + Constraints:
    - multiBreeds(breedID(FK)) references Breed(breedID)
    - multiBreeds(IDNumber(FK)) references Animal(IDNumber)
* Breed(breedID, speciesID(FK), type)
  + Constraints:
    - Breed(speciesID(FK)) references Species(speciesID)
* Species(speciesID, commonName, scietificName, developedYear, region)
  + Constraints:NA