The pets’ clinic

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# App description

Our goal regarding making improvements to the application is centered in the medical part of it. On one hand, we want to implement *Medical Record* which will contain data about the health of a given pet*, Interventions*, which will be another kind of a visit, but only for medical operations, and *Medicine*, which will contain the data of a given drug. We will also implement *Trainers* in order to give rehabilitations to the pets. At last we will implement an *Adoption* system, which will help to find a house for stray pets.

# Involved entities in the web application

## Attributes

1. Medical record

* startDate
* endDate

Relationships: Pets

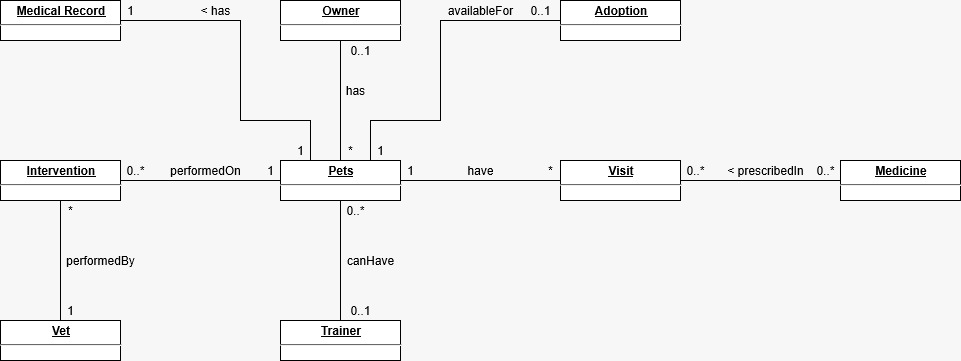


Figure 1 Involved entities

1. Adoption

* dateTime

Relationships: Pets

1. Intervention

* Date
* Time
* Description

Relationships: Vet, Pets

1. Medicine

* Name
* Expiration date
* Maker

Relationships: Visit

1. Trainer

* Name
* Contact email
* Contact name

Relationships: Pets

1. Adoption

* Date

Relationships: Pets

1. Pet

* BirthDate

Relationships: Medical record, Owner, Adoption, Intervention, Trainer, Visit

1. Owner

* Address
* City
* Telephone

Relationships: Pets

1. Visit

* Date
* Description

Relationship: Pets, Medicine

# Entity diagram

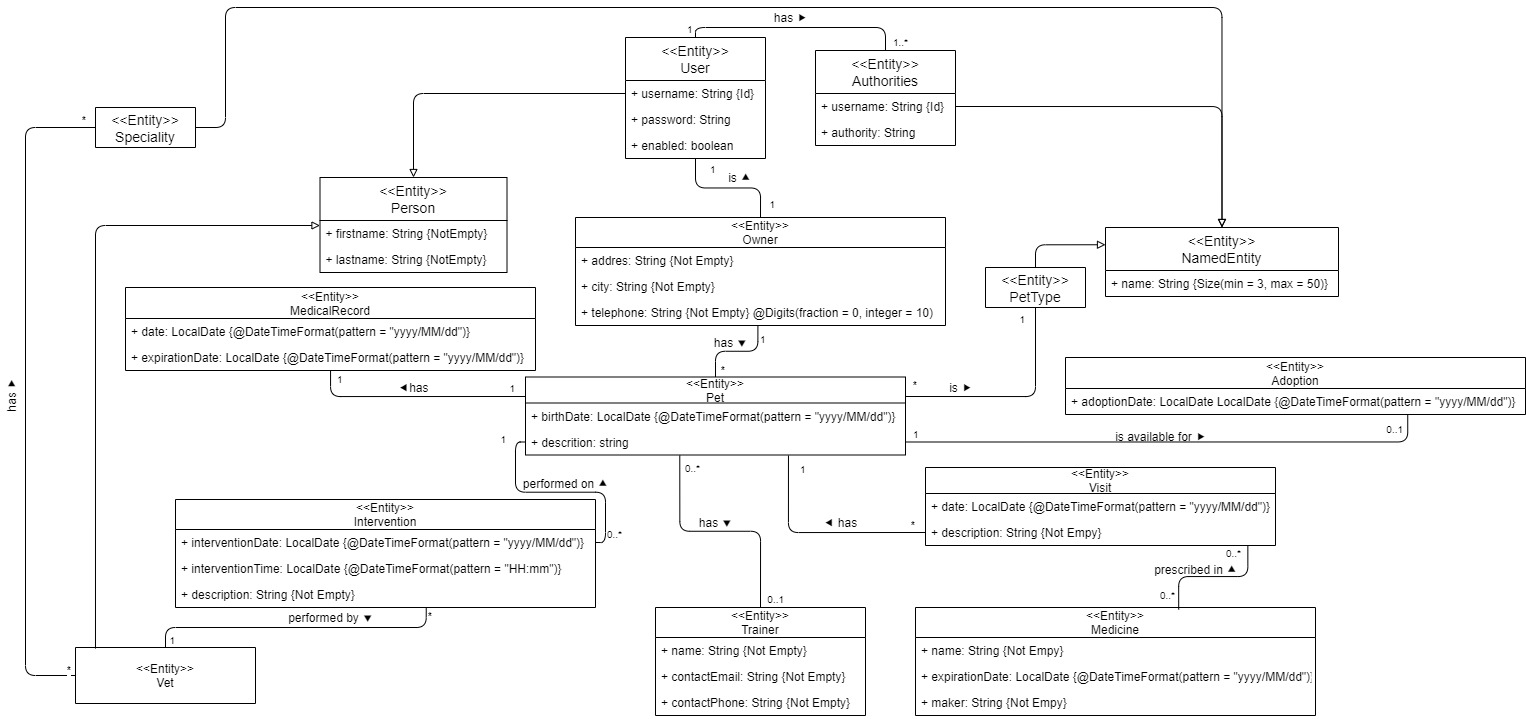


Figure 2 Entity diagram

Intervention: the idea is that in the pet clinic a Veterinarian will perform operations (if necesary) to a Pet.

- InterventionDate: This atributte saves the data of the date in which the intervention was performed

- InterventionTime: It contains the time the intervention lasted

- Description: The details about the intervention

MedicalReport: it contains all the data of a Pet, also contains all the Interventions, Medicines and Visits

- Date: The date of the creation of the Medical Report, that it is translated in the fisrt day a Pet came to the clinic

- Expiraton Date: The date in which an animal rather dies or drop out from the pet clinic

Adoption: When a Pet has no owner is available for adoption

- AdoptionDate: The date in which a Pet is adopted

Medicine: A simple entity describing the medicament a Pet is given

- Name: The name of the medicine

- Expiration Date: Recommended date for consuming the product

- Maker: The companyy responsable of making the product

Trainer: When a Pet comes to the Pet clinic or comes out of a intervention and need rehabilitation a traiiner is offer by the clinic

- Name: The name of the trainer

- Contact Email

- Contact Phone

# User stories

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| **US 001** | **User adopts a pet** |
| As a user,  I want to have access to a list of pets which are available for adoption,  so that I can adopt one and help him/her. | |
| Positive use case | A user goes to the page, sees the listing of pets without owner and is able to choose a pet, adopt him that in the database this pet is has an owner now. |
| Negative use case | A user goes to the pets for adoption page, adopts a pet, but the changes, such as a new owner of a pet, are not saved in the database. |

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| **US 002** | **Vet plans interventions** |
| As a vet,  I want to have access to a list of my arranged interventions,  so that I know what time slots I have available and schedule the next one. | |
| Positive use case | A vet goes to the list page of his scheduled interventions and vet can see all interventions that have been saved in the database before. |
| Negative use case | A vet goes to the list page of his scheduled interventions and only some of the interventions previously saved in the database are showing up. |

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| **US 003** | **Owner selects trainer for a pet** |
| As an owner,  I want to see the available trainers,  so that I can have a variety of them and choose the one that suits my pet the most. | |
| Positive use case | An owner goes to the page of available trainers and is able to see all the available trainers that have been previously marked as available. |
| Negative use case | An owner goes to the page of available trainers and is able to see only a part of all available trainers. |

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| **US 004** | **Owner sees pet’s medical record** |
| As an owner,  I want to have access to my pet´s medical records, which includes the medicines and interventions he/she has had,  so that I can be up to date with his/her status. | |
| Positive use case | An owner goes for his/her pet´s medical record and can see all medicine and interventions that have been assigned to its pet and saved in the database. |
| Negative use case | Knowing that the pet has had medicines and interventions, an owner goes for its medical record and there is nothing displayed, although they are saved in the database. |

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| **US 005** | **Vet prescribes medicines to a pet** |
| As a vet,  I want to be able to prescribe medicines to the pets in the visits,  so that I can treat a given affliction he/she may have. | |
| Positive use case | A vet goes into the application and chooses the option of prescribing a medicine to a given pet. He/She enters the necessary information and has a successful new medicine entry. |
| Negative use case 1 | A vet goes into the application and chooses the option of prescribing a medicine to a given pet but the form into which some values have to be introduced is not displayed. |
| Negative use case 2 | A vet goes into the application and chooses the option of prescribing a medicine to a given pet. He/She enters the necessary info but some of the values are wrong. So the new medicine entry is not performed. |

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| **US 006** | **Trainers has access to medical records** |
| As a trainer,  I want to have access to my assigned pets´ medical records, which includes medicines and interventions he/she has had,  so that I can know if he/she has had any injuries. | |
| Positive use case | A trainer goes for his/her assigned pet´s medical records and all the medicine and interventions, that have been assigned and saved into the database before, are shown. |
| Negative use case | Knowing that the trainer´s assigned pet has had medicines and interventions, that have been saved into the database before, a trainer goes for its medical records and there is nothing displayed. |

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| **US 007** | **Owner sees medicines prescriptions** |
| As an owner,  I want to know if a medicine was prescribed to my pet in a given visit,  so that I can buy it and help him/her. | |
| Positive use case | Knowing that the pet has some medicine prescribed, an owner enters his/her pet medical records list, clicks on one of them and goes for the prescribed medicines. All of them are displayed. |
| Negative use case | Knowing that the pet has some medicine prescribed, and previously saved in the databse, an owner enters his/her pet medical records list, clicks on one of them and goes for the prescribed medicines. None are displayed. |

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| **US 008** | **Trainers sees pet’s visits** |
| As a trainer,  I want to have access to my assigned pets´ visits,  so that I can manage the workload in the training. | |
| Positive use case | A trainer goes for his/her assigned pet´s visits and all of them, that are also saved in the database, are displayed. |
| Negative use case | Knowing that the trainer´s assigned pet has had some visits, that have been previously saved in the database, he/she goes for his/her assigned pet´s visits and none are displayed. |

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| **US 009** | **Owners sees interventions** |
| As an owner,  I want to see all interventions my pet has had,  so that I am informed about my pets’ health state. | |
| Positive use case | An owner goes for his/her pet´s interventions, that have been previously saved in the database, and all of them are displayed. |
| Negative use case | Knowing that the pet has had an interventions, owner goes to pets’ intervention page and none of them or just a part of them are displayed. |

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| **US 010** | **Owner sees vet’s personal information** |
| As an owner,  I want to see the personal information of the vet that has been assigned to an exact intervention that my pet has had,  so that I am informed of who is making the intervention and contact him/her if necessary. | |
| Positive use case | An owner goes for his/her pet´s intervention, sees the vet that has been assigned to this intervention and can open and see this vets’ personal information. |
| Negative use case | Knowing that the pet has had an intervention, owner goes to an intervention page, opens one intervention but the assigned vet is not showing up on the page. |

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| **US 011** | **Owner sees trainer’s personal information** |
| As an owner,  I want to see my pet’s trainer,  so that I can see his/her personal information and contact him/her if necessary. | |
| Positive use case | Owner goes to his/her pets trainer page and see the assigned trainer. |
| Negative use case | Owner, knowing that his/her pet has a trainer assigned, goes to the trainers’ page but the trainer is not showing up. |

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| **US 012** | **Vet sees pet’s visits** |
| As a vet,  I want to see all the visits certain pet has had,  so that I can choose the best treatment plan. | |
| Positive use case | A vet goes to a certain pets’ visits and can see the all visits that this pet has had and that have been saved to the database before. |
| Negative use case | Vet, knowing that a certain pet has had some visits before, and that those visits have been saved into the database, goes to the visits’ page, but none or just some part of these visits are displayed. |

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| **US 013** | **Vet sees a pet’s medical record** |
| As a vet,  I want to see the medical record of a certain pet,  so that I know all the interventions and medicine the pet had before. | |
| Positive use case | A vet goes to the pets medical record page and can see pets medical record, the one that has been saved into the database before. |
| Negative use case | A vet goes to the pets medical record page and does not see its medical records, although it is not the pets’ first visit in the clinic and this pet has had several visits saved into the database before. |
| **US 014** | **Vet adds a new medicine** |
| As a vet,  I want to add or delete medicines of the list of available ones,  so that I can know which medicine is available for prescription. | |
| Positive use case | A vet goes to the medicine page and adds a new medicine that from now on will it be available to be prescribed, and it is saved in the database. |
| Negative use case | A vet goes to the medicine page to add a new medicine, but, after adding a new medicine, it does not show up in the all available medicine list and is not saved in the database. |

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| **US 015** | **Vet changes a pet’s medical record** |
| As a vet,  I want to make changes to certain pet’s medical record,  so that I can update it if necessary. | |
| Positive use case | A vet goes to the pets medical record page and is able to make changes in its medical record page and those changes are saved into the database. |
| Negative use case | A vet goes to the pets medical record page and wants to delete previous medical record in order to post the newest version of this medical record, but after deleting it, it is not deleted from the database. |

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| **US 016** | **Vet schedules a new intervention** |
| As a vet,  I want to make new interventions for a certain pet,  so that I can treat its illness. | |
| Positive use case | A vet goes to the certain pets intervention page and can add a new intervention for the pet and this intervention is saved into the database. |
| Negative use case | A vet goes to the pets intervention page, in order to add a new intervention, but after adding it, the intervention is not saved in the database as well as it does not show up in the in pets’ intervention list. |

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| **US 017** | **Vet manages homeless pets information** |
| As a vet,  I want to have access to the list of pets without an owner,  so that I can manage their adoption. | |
| Positive use case | A vet goes to the homeless pets’ personal page, adds it to the list of pets available for the adoption and this pet show up in that list. |
| Negative use case | A vet goes to the homeless pets personal page and adds it to the list of pets available for adoption, but after adding to the list, this pet does not show up in the list. |

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| **US 018** | **Administrator manages trainers** |
| As an administrator,  I want to manage (add new/remove existing) trainers,  so that I can guarantee that pets receive the best trainings. | |
| Positive use case | A vet goes to the trainers page and can add a new trainer, and it shows up in the list of trainers and is also this trainer is saved into the database. |
| Negative use case | A vet goes to the trainers page, removes a trainer, but it is not deleted from the database and it still shows up in the list of trainers. |

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| **US 019** |  |
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| Positive use case |  |
| Negative use case |  |

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| **US 020** |  |
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| Positive use case |  |
| Negative use case |  |