The pets’ clinic

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Index of contents

[1. App description 4](#_Toc34722039)

[2. Entity diagram 5](#_Toc34722040)

[3. User stories 7](#_Toc34722041)

Index of figures

[Figure 1 UML Diagram 5](file:///E:\UNIVERSIDAD%20CURSO%203\CUATRI%202\DP2\Workspace\DP2-1920-GI-01\Documentation\1_Sprint_02version.docx#_Toc34722027)

# 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.

# Entity diagram

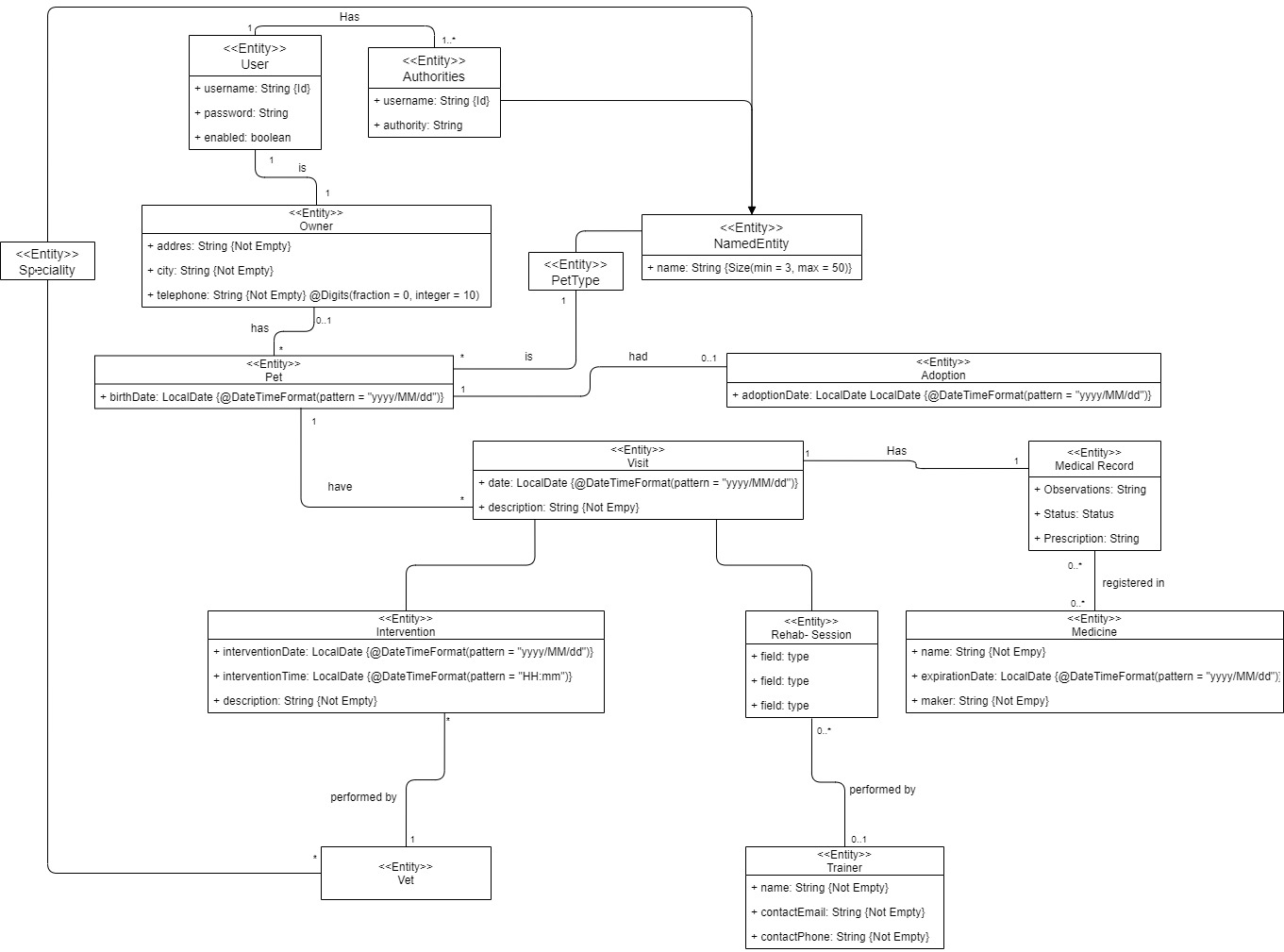


Figure 1 UML Diagram

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

- InterventionDate: This attribute 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

- Expiration 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 company responsible of making the product

Trainer: When a Pet comes to the Pet clinic or comes out of a intervention and need rehabilitation a trainer 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 John goes to the page, sees the listing of pets without owner and is able to chooses a dog Kate, adopt her that in the database this pet has an owner now. |
| Negative use case | A user John goes to the pets for adoption page, adopts a dog Kate, but the changes, such as a new owner of a pet, are not saved in the database because of an adoption date in the past, 20/02/2001. |

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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 Jane goes to the list page of her scheduled interventions and she can see all interventions that have been saved in the database before. |
| Negative use case | A vet Jane goes to the list page of scheduled interventions of another vet John and it produces an authorization error. |

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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 John 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 John goes to the page of available trainers and is able to see a not available trainer Jane among others. |

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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 visits he/she has had,  so that I can be up to date with his/her status. | |
| Positive use case | An owner John goes for his pet (Pipo)´s medical record and can see all medicine and visits that have been assigned to its pet and saved in the database. |
| Negative use case | Knowing that Pipo has had medicines and visits, the owner John goes for its medical record and there is nothing displayed. |

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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 Jane goes into the application and chooses the option of prescribing a medicine Vaccine1 to a cat Maggie. She enters the necessary information and has a successful new medicine entry. |
| Negative use case 1 | A vet Jane goes into the application and chooses the option of prescribing a medicine Vaccine1 to a cat Maggie. She doesn’t select one, so the new medicine entry is not performed. |
| Negative use case 2 | A vet Jane goes into the application and tries to add a new medicine Vaccine1 to the medical record MedicalRecord1 but she doesn’t enter a prescription, which is mandatory, 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 visits he/she has had,  so that I can know if he/she has had any injuries. | |
| Positive use case | A trainer John goes for his assigned pet(Rex)´s medical records and all the medicine and visits, that have been assigned and saved into the database before, are shown. |
| Negative use case | Knowing that the trainer(John)´s assigned pet, Rex, has had medicines and visits, that have been saved into the database before, the 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 Alex has some medicine prescribed, an owner John enters his pet’s 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 Alex pet has some medicine prescribed, and previously saved in the database, an owner John enters his pet’s 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 Jane goes for her assigned pet (Meg)´s visits and all of them, that are also saved in the database, are displayed. |
| Negative use case | Knowing that the trainer(Jane)´s assigned pet (Meg) has had some visits, that have been previously saved in the database, she goes for Meg´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 John goes for his pet(Rex)´s interventions, that have been previously saved in the database, and all of them are displayed. |
| Negative use case | Knowing that the pet Rex has had interventions, John as an owner goes to pet’s interventions page and none of them are displayed because a non-existing pet’s id has been passed. |

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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 Jane goes for her pet(Kristof)´s intervention, sees the vet that has been assigned to this intervention and can open and see this vet(John)’s personal information. |
| Negative use case | Knowing that the pet(Kristof) has had an intervention, Jane as an owner goes to an intervention page, opens one intervention but the assigned vet (John) 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 | An owner, Jane, goes to her pet(Bert)’s trainer page and sees the assigned trainer, John. |
| Negative use case | Jane as an owner, knowing that her pet has a trainer (John) 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 John goes to a certain pet(Sam)’s visits and can see the all visits that this pet has had and that have been saved to the database before. |
| Negative use case | John as a vet, knowing that a certain pet, Sam, has had some visits before, and that those visits have been saved into the database, goes to the visits’ page, but none 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 Jane goes to the pet(Troy)’s medical record page and can see the pet’s medical record, the one that has been saved into the database before. |
| Negative use case | A vet Jane goes to the pet(Troy)’s 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. |

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| **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 Anna goes to the medicine page and adds a new medicine Vaccine2 that from now on it will be available to be prescribed, and it is saved in the database. |
| Negative use case | A vet Anna 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 because of an expiration date in the past (20/02/2001). |

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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 Dana goes to the pet(Kiro)’s 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 Dana goes to the pet(Kiro)’s medical record page and wants to update the medical record but the changes are not saved because some values are not valid. |

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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 Marta goes to the dog Drake’s intervention page and can add a new intervention for the pet and this intervention is saved into the database. |
| Negative use case | A vet Marta goes to the pet(Drake)’s 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 Ivan goes to the homeless pet(Ernie)’s personal page, adds it to the list of pets available for the adoption and this pet shows up in that list. |
| Negative use case | A vet Ivan goes to the homeless pet(Ernie)’s 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 because it hasn’t been saved because of a birth date in future (20/02/2200). |

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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 | An administrator Alise goes to the trainers’ page and can add a new trainer Mike, and he shows up in the list of trainers and also, this trainer is saved into the database. |
| Negative use case | Alise as an administrator goes to the trainers’ page, removes a trainer Mike, but it is not deleted from the database and it still shows up in the list of trainers because he still has some pending training sessions. |

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| **US 019** | **Pet type’s medicine checking** |
| As a vet,  I do not want to be able to prescribe any medicine which pet type is not the same as the pet in question  so that I can avoid misunderstanding and mistakes. | |
| Positive use case | A vet Sonia prescribes a medicine Vaccine3000 to a given pet Sasha with the same pet type and it is shown in the medical record. |
| Negative use case | A vet Sonia tries to prescribe a medicine Vaccine3000 to a given pet Sasha with the wrong pet type and those pet type medicines are shown. Then Sonia selects one and saves the new medicine but it is not saved in the database because of a pet type conflict. |

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| **US 020** | **For Ivan to do** |
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| Positive use case |  |
| Negative use case |  |

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| **US 021** | **For Ivan to do** |
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| Positive use case |  |
| Negative use case |  |