# PAW FINAL PRESENTATION

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01

# PROBLEM

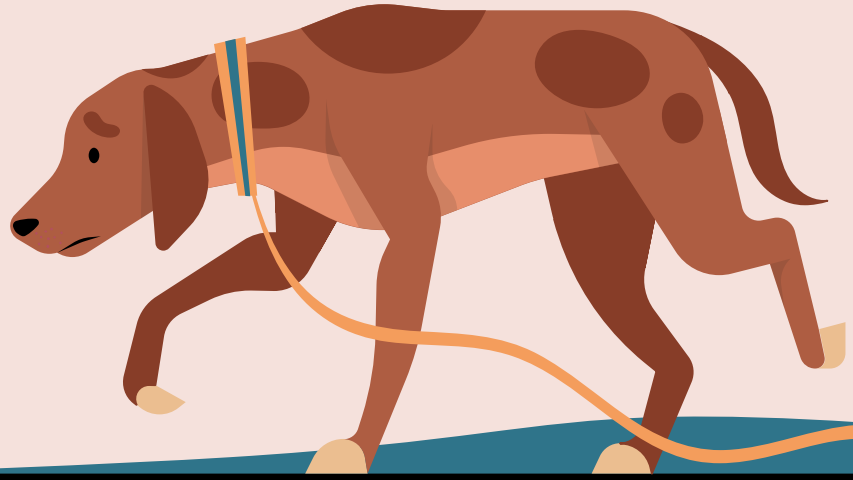
background & existing challenges

# PROBLEM

## Reason for the Project

Just like mentioned in the documents, our main reason for this project is to raise awareness on animals with special conditions. Those animals are less likely to survive on their own and they need much more love.

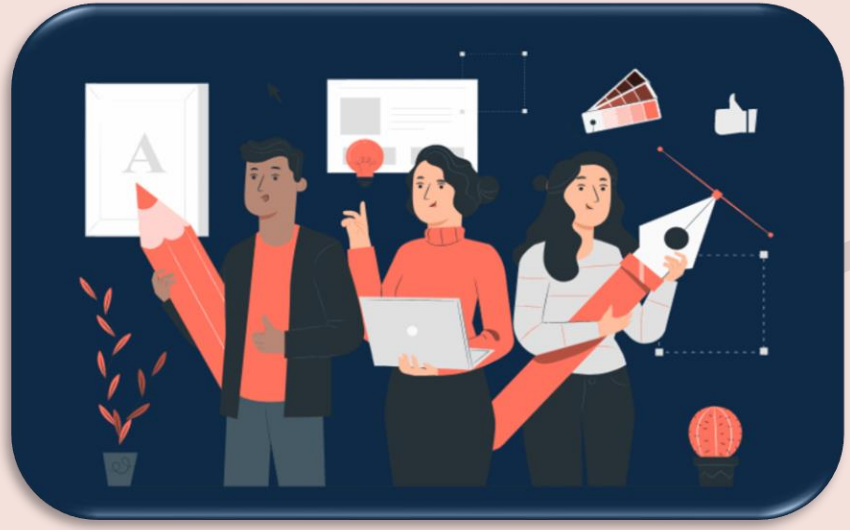
We want to address their special needs to the most suitable candidates with our system. Also with this project we want to decrease the workload of shelters and increase the life quality of these animals.



# PROBLEM

## Challenges

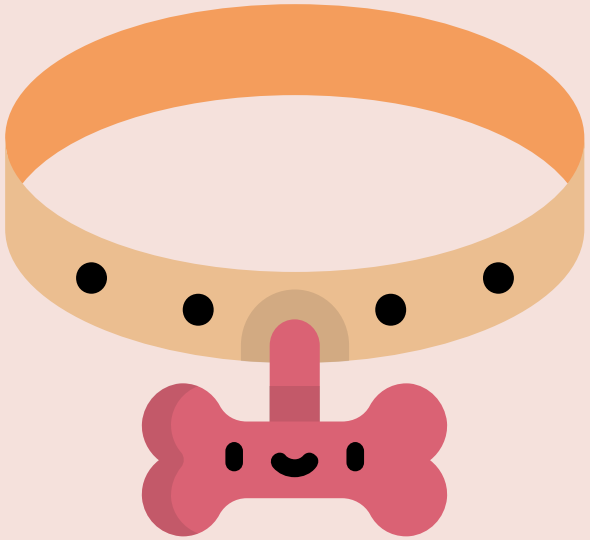
In order to maintain accuracy in such systems, there must be control mechanism that prevent the creation of false information. Another challenge might be personal information security which is critical in projects where two users need to contact each other directly from their private communication channels. Ensuring safety of the pets is also an essential factor when it comes to the adoption.



02

# OBJECTIVES

goals to achieve



# OUR GOALS

ACCURATE MATCHES

ADOPTION

FUNCTIONALITY

SECURITY & PRIVACY

AWARENESS

UX

03

# LITERATURE REVIEW

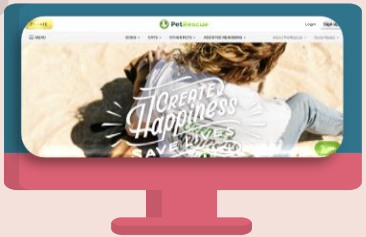
related work or projects  & gaps

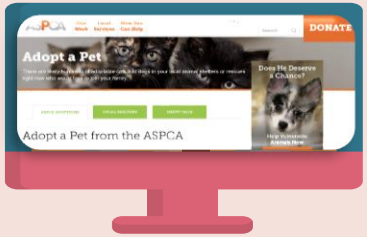
# LITERATURE REVIEW

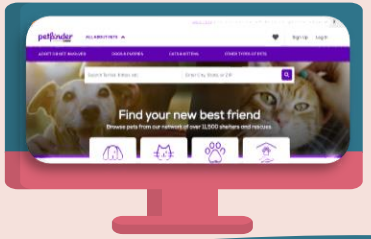
## Related Projects

There are tons of different projects with animal adoption purposes. Some of them highly usable and some of them are not. But there is one common point in each project. They don't emphasize disabled or ill pets in their projects. There is no separate section for them. So, our project tries to fill this gap in similar projects.

# LITERATURE REVIEW




## A COMPARISON

| | PetRescue | ASPCA | Petfinder |
|---|---|---|---|
| Pet Lists | X | X | X |
| Donation | X | X | X |
| Readings | X | X | X |
| Volunteering | | X | |
| Rescued Pets | X | X | X |

04

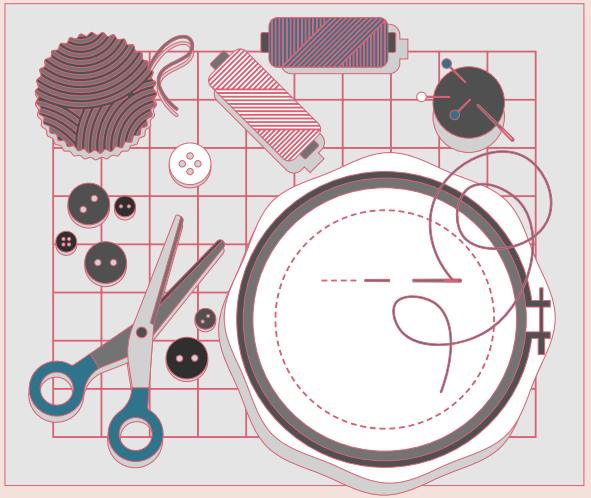
# PROJECT OVERVIEW

tools, technologies, and methodologies

# PROJECT OVERVIEW

## Tools & Technologies

Our project mainly focuses on pet adoption with disabled or ill animals. Users can view listed pets and with necessary processes they can adopt or list a pet of their own. This project is made by using Flask framework. We also used some pre-defined Bootstrap libraries, Visual Studio Code as our IDE and SQLite for the creation of our database.



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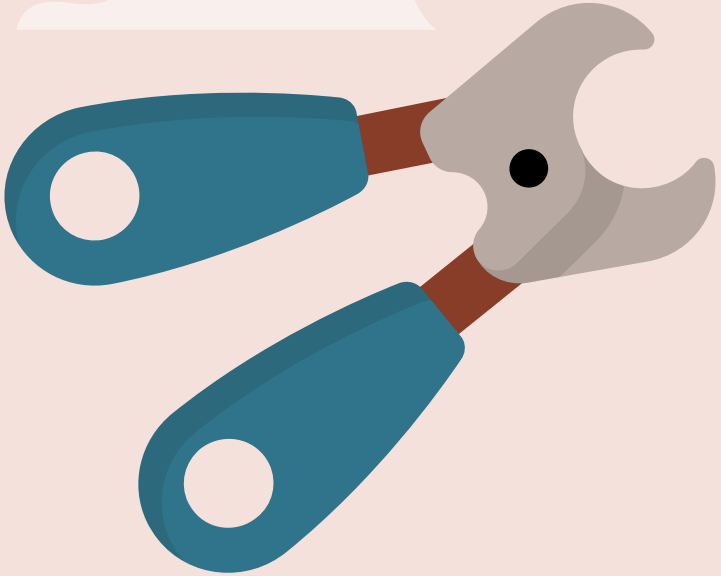
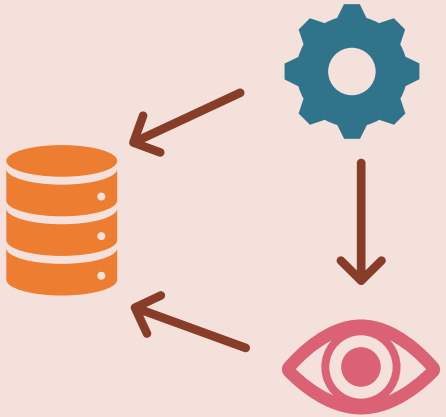
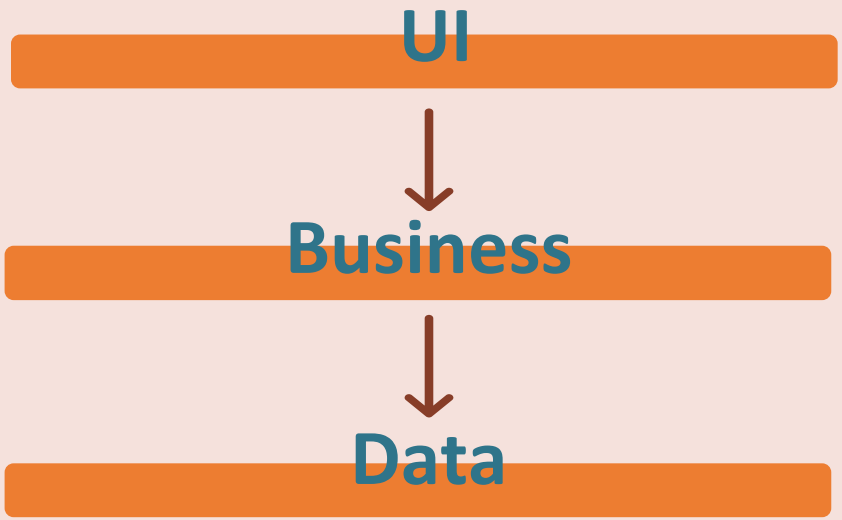
# ARCHITECTURE



interaction of components

# MODEL VIEW CONTROLLER MVC





06

# IMPLEMENTATION

algorithms & techniques

# Implementation

- ✓ Models -> Pet, User, AdoptionRequest, Donation, FavoritePet, UserAnswers
- ✓ Auth -> Authentication (login, logout, sign up)
- ✓ View -> Functions
- ✓ SQLAlchemy -> SQLite
- ✓ Bcrypt -> Hashing
- ✓ Jinja2 -> Dynamic HTML
- ✓ Werkzeug -> Processing requests & responses
- ✓ OpenLayers -> Map API

# Jira

## Tracking Requirements

- Prioritization
- To do, in process, done
- A clear view

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# COMPONENTS

hardware & software

# Hardware & Software

## Hardware

- This project does not require any extra or special hardware products.

## Software

- Application Tier:
- HTML CSS
- Flask

- Database Service:
- SQLite

- Communication Protocols:
- HTTP and TCP/IP

- API:
- OpenLayers

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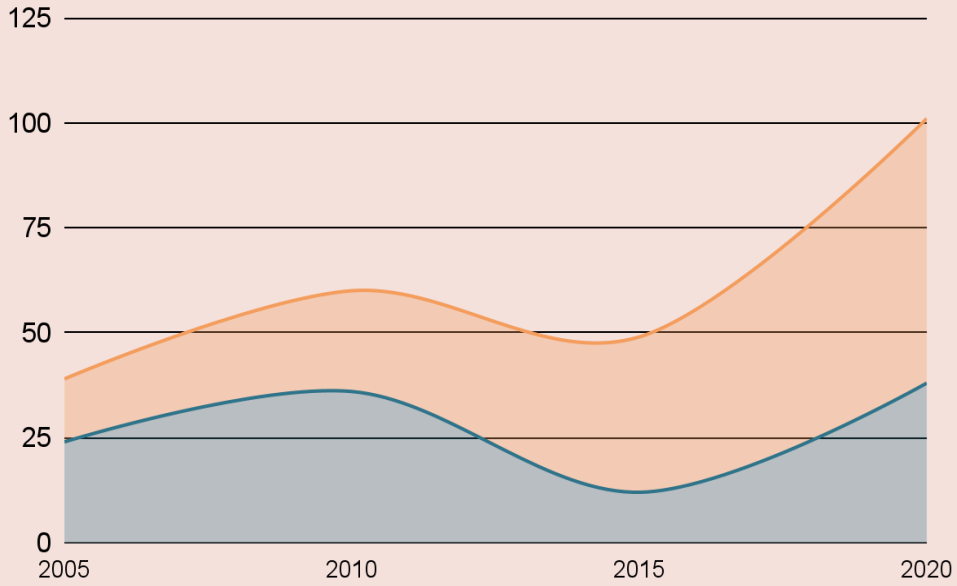
# RESULTS

presenting results



# Some Quantitative Results

## Response Times

- Site Navigation: less than 2 seconds
- Pet Addition: less than 2 seconds
- Pet Deletion: less than 2 seconds
- Questionnaire Results: 2 seconds
- Donation: less than 1 second
- Password Update: less than 2 seconds

## Accuracy

- Pet Information: Accurate
- Pet Status:  Visible for the adopted & not adopted separately
- Feedback: Notifications
- Admin Panel: Synchronization between users

## Efficiency

- Responsiveness: UI
- Search & Filter: accessing relevant information
- Navigation: Ease of use
- Security Measures: hashing passwords, no direct involvement with database
- Constraints: credit card section, emails, double check deletions

# User Table

| ID | Email | Password | F_name | L_name | Pets | Verified | Favorite pets |
|---|---|---|---|---|---|---|---|
| 1 | X@gmail.com | hashed1 | Selin | Karol | Pakize | 1 | Fadik |
| 2 | Y@gmail.com | hashed2 | Taylan | Tanyeri | NULL | 0 | NULL |

# Pet Table

| ID | User ID | Name | Age | Species | Breed | Medical D | Report | File Path | Image | Image Path | ... |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Pakize | 2 | Bird | Chicken | Old,sick | x.pdf | users/x | img1 | users/x1 | ... |
| 2 | 3 | Fadik | 5 | Cat | Tekir | angry | y.pdf | users/y | img2 | users/y1 | ... |

Home Pets About Us Donation Adopted Pets My Profile Notifications Logout

# Adopted Pets

**Name:** Mavi
**Age:** 3
**Species:** cat
**Breed:** Scottish

Home Pets About Us Donation Adopted Pets My Profile Notifications Logout

Question 1: What is the age of the pet you prefer?

- 1
- 2
- 3
- 4
- 5
- 6-10
- 10+

Next

Home Pets About Us Donation Adopted Pets My Profile Notifications Logout

## Donate Now

Credit Card Holder: Name-Surname

Credit Card Number: XXXX-XXXX-XXXX-XXXX

Credit Card Expiry Month: 1

Credit Card Expiry Year: 2024

CVV: XXX

City: Select City

Donation Amount $:

$

Submit Donation

TOTAL DONATION

300$

Home Pets About Us Donation Adopted Pets Login Sign Up

Search...

Search

Species

Select Species

Breed

Select Breed

Age:

All

Apply Filters

**Name:** dman
**Age:** 1

**Name:** Kunfu panda
**Age:** 10

09

# CHALLENGES

technical challenges & obstacles

# CHALLENGES

## Technical Challenges

Project had some glitch on verification mechanism. At first, we wanted to handle those requests via emails, not directly by an admin. We devoted a lot of time for this part but later we realized it was time consuming due to security reasons. So, this part was moved to the backlog.

Also, in our location information our aim was to use Google Maps API but because of the billing issues we could not be able to pull it off. After a brief search on internet, we decided to use Open Layers.

# FUTURE WORKS

BACKLOG 7

Sabit hayvanlar eklenecek

GRAD-40

Kullanıcı Hesap Silme Doğrulama

GRAD-26

Kredi kartı save

GRAD-65

Pet modele Adopter kısmı eklenebilir?

GRAD-42

Email Gönderme

GRAD-45

Anket soruları arttırılabilir?

Database

GRAD-48

Verifylandı Notification

GRAD-71

YAPILACAK 5

Wellfare center 2 Lokasyon

GRAD-72

SADECE TÜRKİYE İÇİNDE UPDATE EDİLEBİLİYOR Maps

GRAD-74

User databaseine about me kısmı eklenecek

Database

GRAD-47

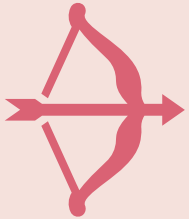
TC KMLIK DB'si Oluşturulacak

Database

GRAD-46

footer ekle

GRAD-75



# THANKS!

Selin & Taylan