

# FindMyPet App

Digital Pet Recovery  
Service



# Objectives



# App Overview

## Locate lost pets

- Crowd-sourced GPS tracking
- Instant alerts
- Community of helping people
- Customisable safe and unsafe zones



## Health and well-being

- Medical records
- Veterinary monitoring and input
- Pet care guidance
- Veterinary appointments

# Requirements Elicitation



# Techniques Used

- **Semi-structured interviews**

In small groups with stakeholders of the same kind

- **Repertory grids**

Through papers that were handed to everyone out at the end of the interviews

- **Brainstorming**

Both in the stakeholder groups and with everyone together at the end

- **Introspection**

Used both before and after the workshop, to plan ahead and fill in some gaps



# Interviews

## Group composition

- Each type of stakeholders separate
- 3 - 5 stakeholders per group
- One main interviewer and one notetaker

## Format

- 15 minutes
- Semi-structured with follow-up and spontaneous questions when appropriate

## Questions

- Stakeholder specific
- Around ten prepared questions

## Results

- Enlightening answers
- Source of most of the requirements



# Repertory Grids

## Format

- Papers handed out to stakeholders at the end of interviews
- Filled out during idle time and brainstorming

## Analysis

- Scores averaged for each group and in total

## Questions

- 8 app features and NFR-related properties
- How important is each feature to you (1-5)?

## Results

- No feature discarded because of low scores
- Insights into priorities for different groups



# Brainstorming

## End of interviews

- Open question at the end
- Ideas and opinions not covered so far

## Separate segment

- 10 minutes at the end
- All stakeholders together
- Intended to promote discussion between different types

## In the surveys

- Text box to write any ideas and opinions still not mentioned
- People who prefer writing over speaking in a group

## Results

- Some requests and insights from interviews and surveys
- End segment not successful





# Introspection

## Before workshop

- Used to come up with some of the questions for stakeholders
- More efficient workshop by not starting from zero

## Usage caution

- Used carefully to not make what the stakeholders don't want
- Only when deemed necessary

## After workshop

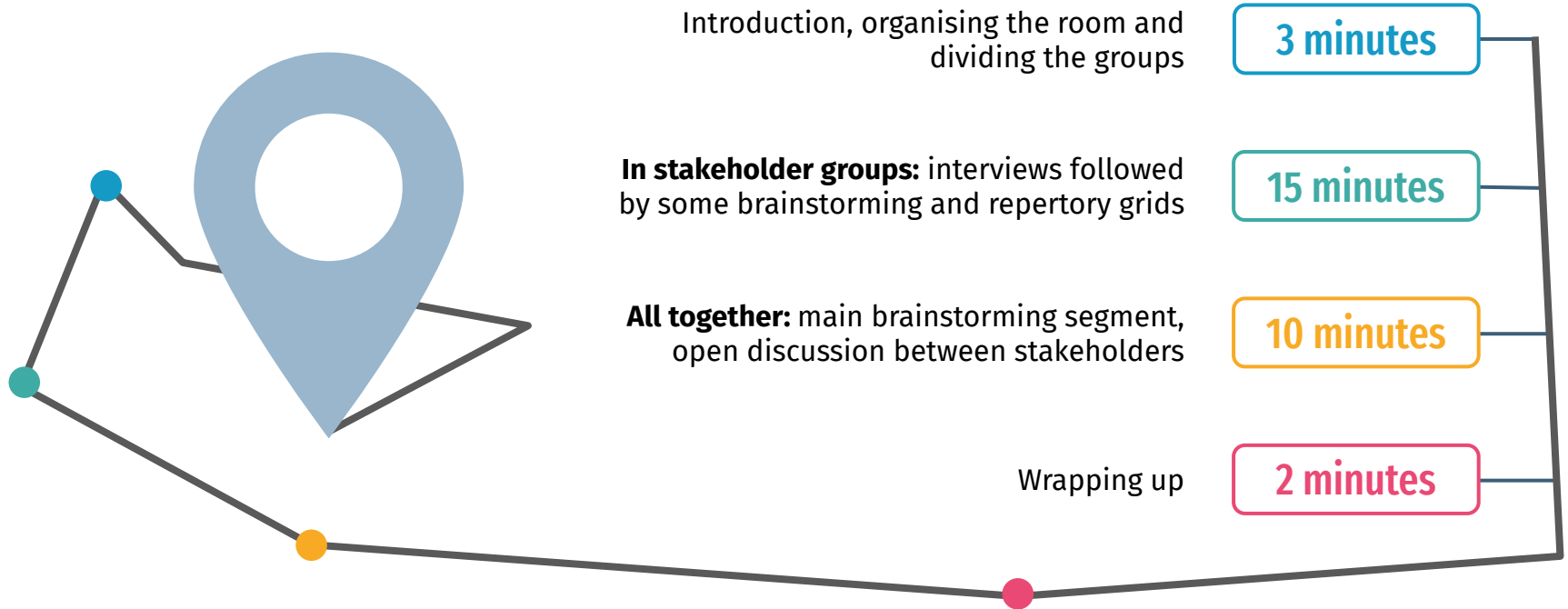
- To fill some necessary gaps not answered by other techniques

## Results

- Some interview questions guided by introspection
- Some requirements taken partly from introspection



# Workshop Time Plan



# Workshop Evaluation

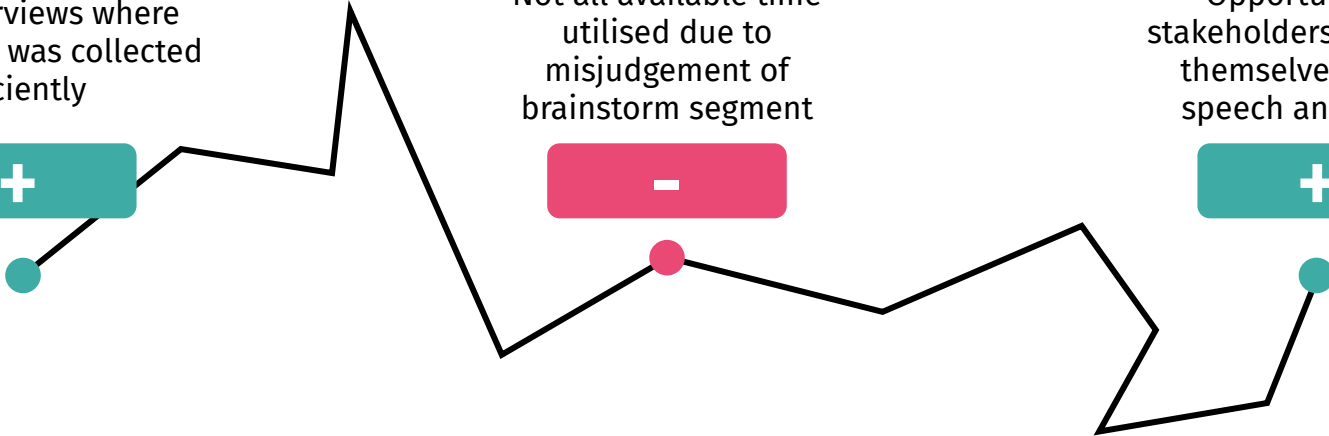
Good interviews where  
information was collected  
efficiently



Not all available time  
utilised due to  
misjudgement of  
brainstorm segment



Opportunity for  
stakeholders to express  
themselves in both  
speech and writing





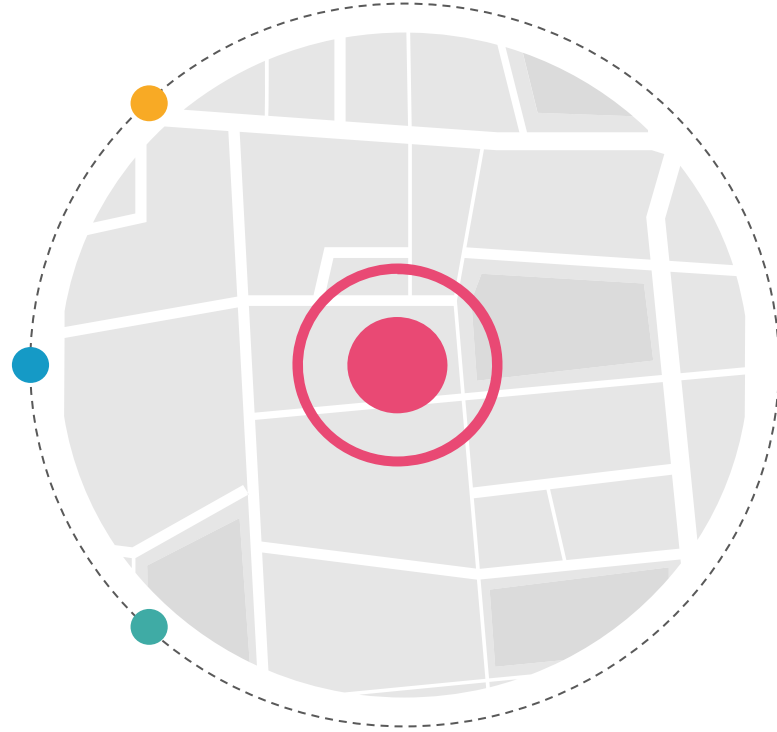
# **Requirements Document**

# Document overview

Introduction

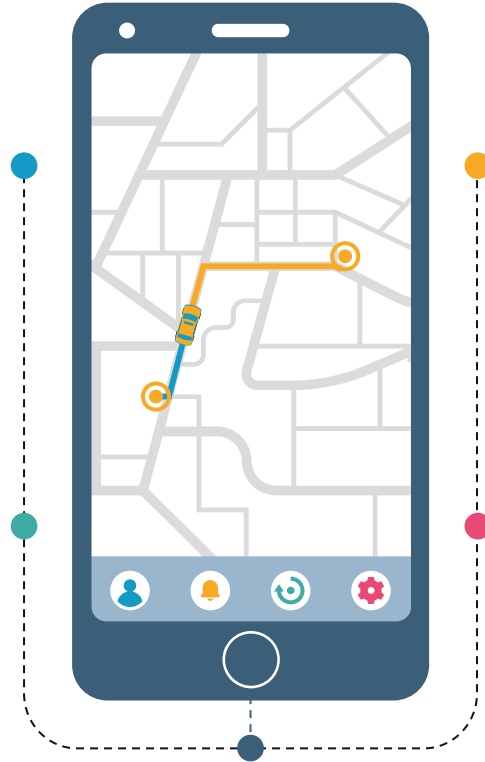
Overall Description

Requirements



# Introduction

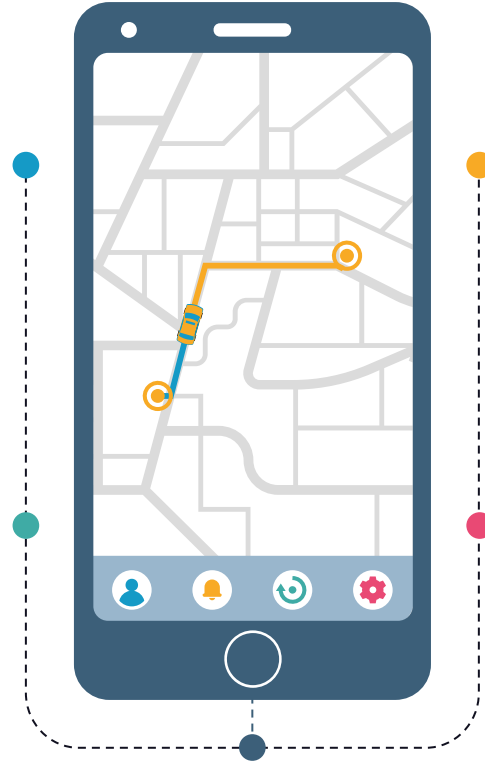
## Purpose



- **Reliable Recovery Platform**
  - Support pet owners in locating lost pets through GPS and notifications
- **Community-Driven Network**
  - Leverage crowd-sourced tracking for pet recovery
- **Pet Care**
  - Includes pet registration, medical records, and care guidance to enhance pet safety.
- **Collaboration with Organizations**
  - Partners with veterinarians and animal welfare groups for effective recovery efforts.

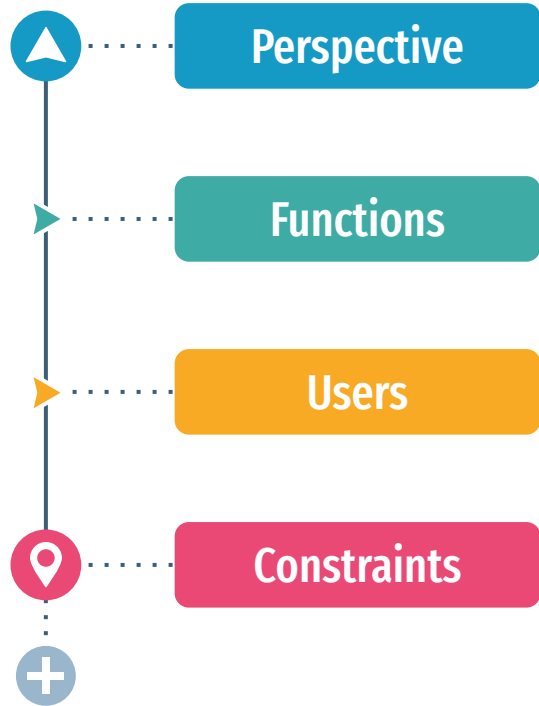
# Introduction

- Developers
- Project Managers
- Users



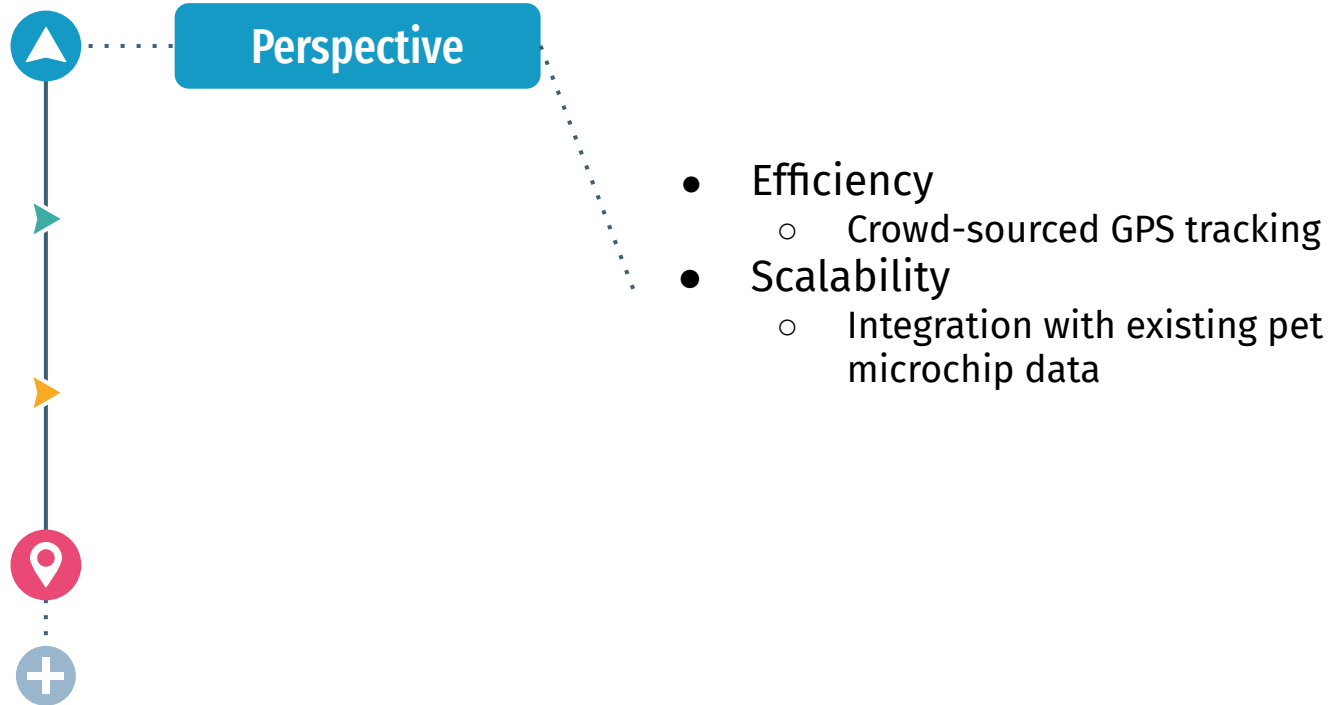
**Intended Audience**

# Overall Description

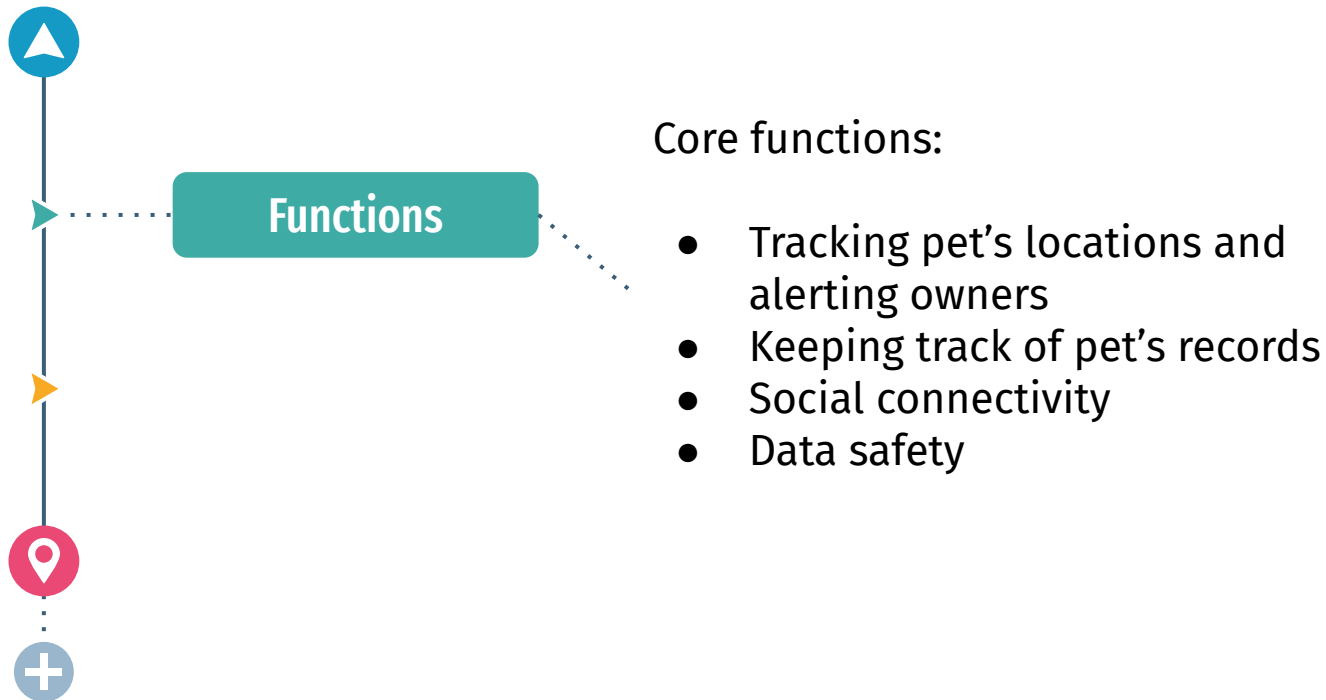




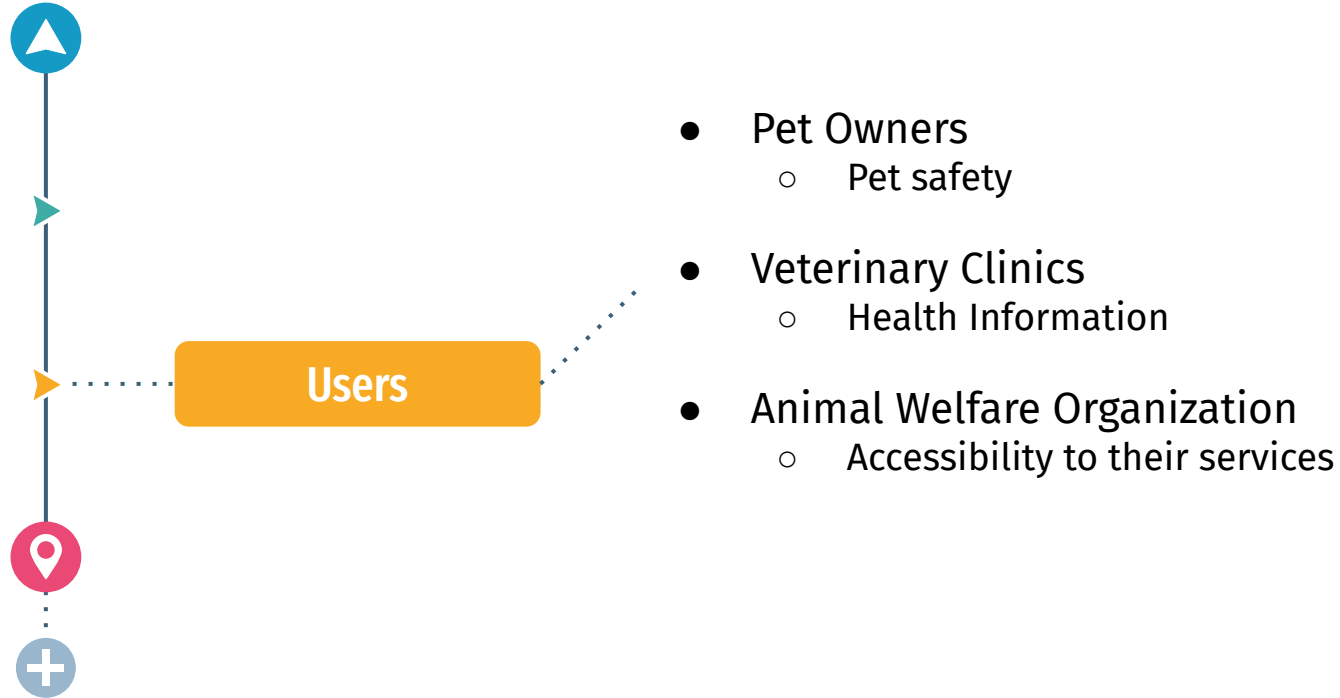
# Overall Description



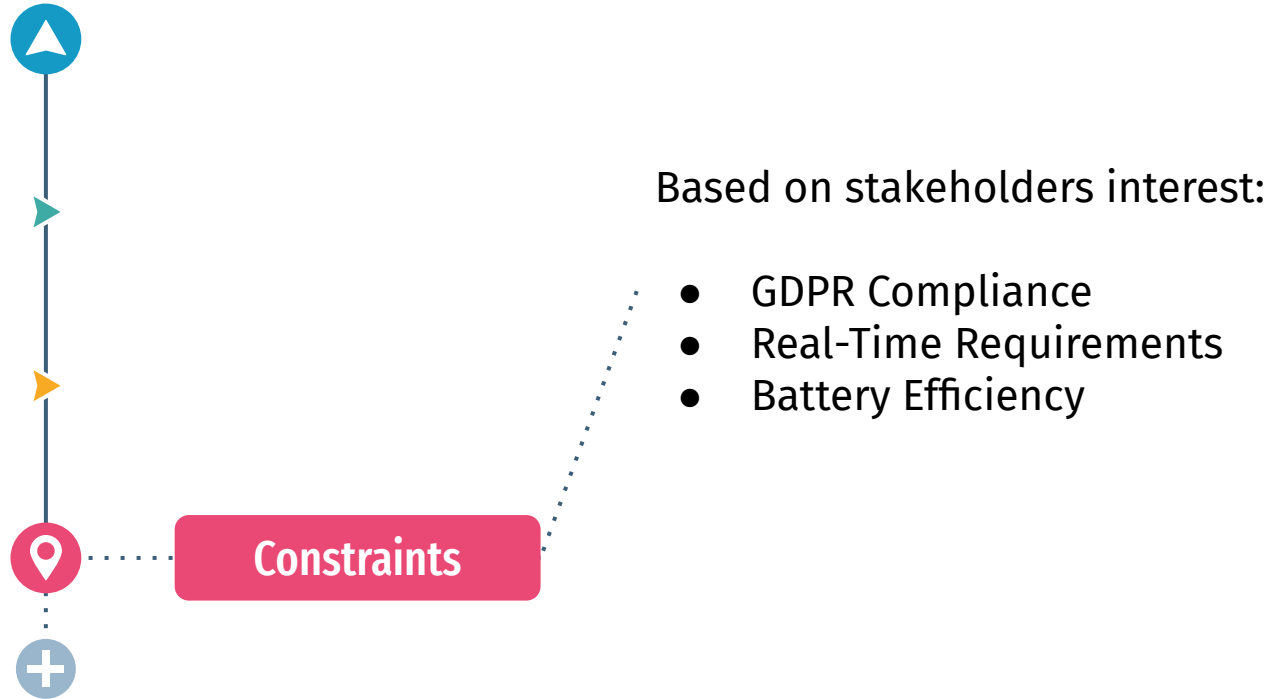
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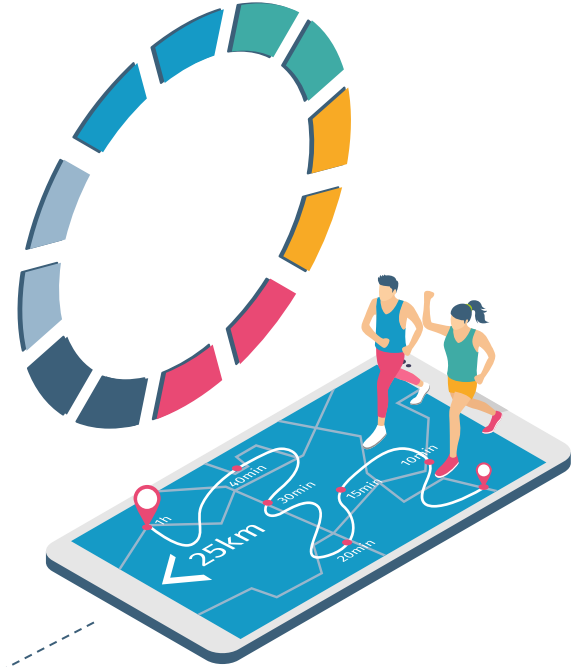
# Overall Description



# System Requirements

- User Friendly
- Recovery Time
- Data Encryption

- User Amount
- Privacy
- Documentation



# System Requirements

## ● User Friendly

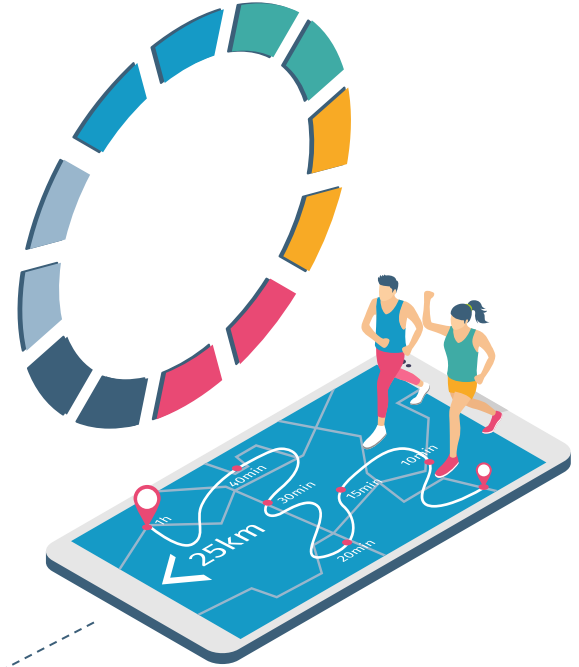
User-friendly interface  
3-Click-rule

## ● Recovery Time

Critical Usage times  
Minimizing Downtime

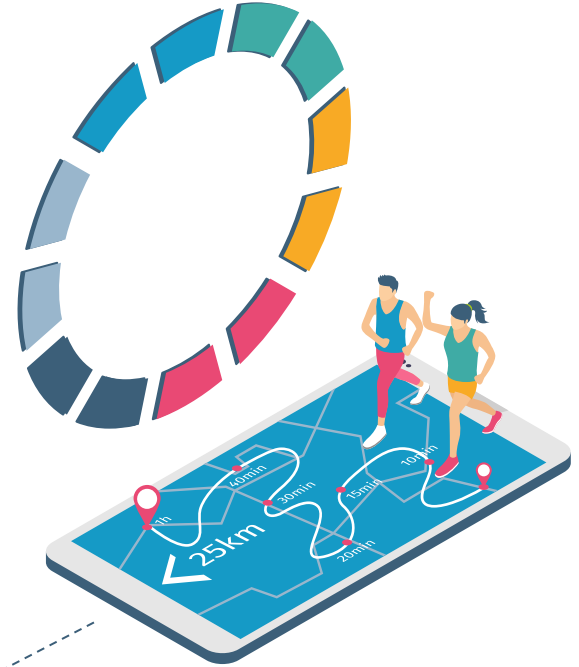
## ● Data Encryption

Encrypt all user data  
AES-256 Encryption



# System Requirements

- **User Amount** 100,000 Simultaneous users
- **Privacy** Collecting and processing only necessary data
- **Documentation** Up-to-date Documentation  
Readability for new developers



# User Requirements

General

Animal Welfare  
Organizations



Pet Owners

Veterinary Clinics



# User Requirements

- Registration
  - Identity verification
  - 2FA
- Profile Management
  - Email, Password, Picture
  - Deletion

General



# User Requirements

- Lost Pets Access
- Adoption Campaigns
- Pet Vaccination
- Responsibility awareness

Animal Welfare  
Organizations



# User Requirements



**Pet Owners**

- Pet Registration
  - Connect pet's chip
  - Co-Owners
- Pet Profile Management
  - Medical Records
  - Data sharing

# User Requirements



Veterinary Clinics

- Medical Records
- Pet Flagging / Health Alerts



**Thank you for  
your attention!**