CMDTECH

FINDER

Team Members

Diego Escobar

Development and
Project
Management

Carlos Calderón

Development and
Project
Management

Mario Fuentes
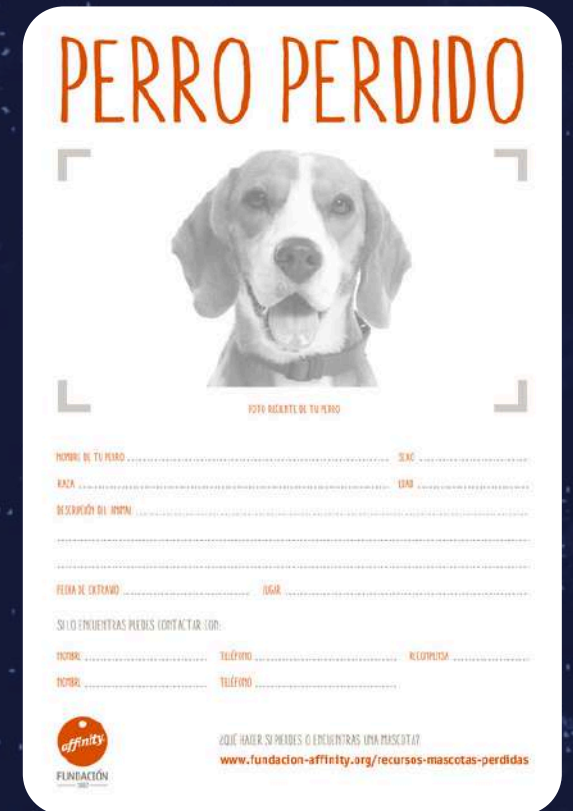
Development and
Project
Management

Contents

CMD
TECHNOLOGY

¿What is the problem?

The loss of pets generates anxiety and concern in many Chilean families.

Current search methods:
- Use of social networks.
- Posters in the community.
- Both methods are ineffective and disorganized.

Some current data

- It is estimated that there are 4 million unsupervised animals.
- Since the implementation of the chip, 6,137 alerts have been activated.
- Of these alerts, only 1,531 pets have been returned to their owners.

Our Solution

The solution centralizes lost pet alerts, allowing users to quickly report a missing pet and post details such as photos, descriptions, and the location where it was lost.

Benefits

Quick Search: Reduces the time to find lost pets.

Photo Analysis System: Accuracy in pet identification.

Real-Time Geolocation: Quickly locate pets on the map.

Immediate Notifications: Automatic alerts for possible matches.
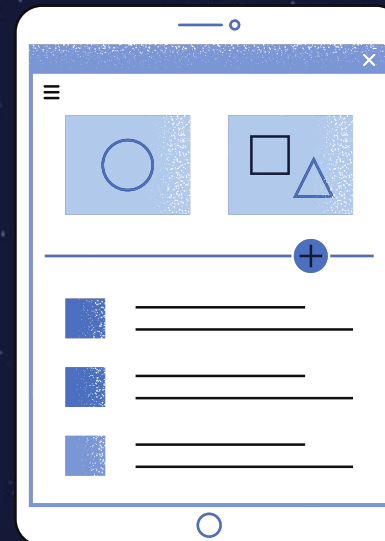
Centralized Platform: Everything in one place, without relying on traditional methods.

Objectives

GENERAL OBJECTIVE

Facilitate users in the search and recovery of lost pets by creating a community network that centralizes reports, enhances collaboration, and uses advanced technologies to streamline and improve results.

SPECIFIC OBJECTIVES

- Create a reporting system for lost pets.
- Integrate Google Maps into the platform.
- Implement a deep learning algorithm.
- Promote community collaboration.

Project Scope

Project Definition:
- Web application.
- Mobile application.
- Use of deep learning.
- Intuitive to use.

Deliverables:
- Functional website on different browsers.
- Mobile app for available operating systems.
- Technical documentation.
- Community platform.
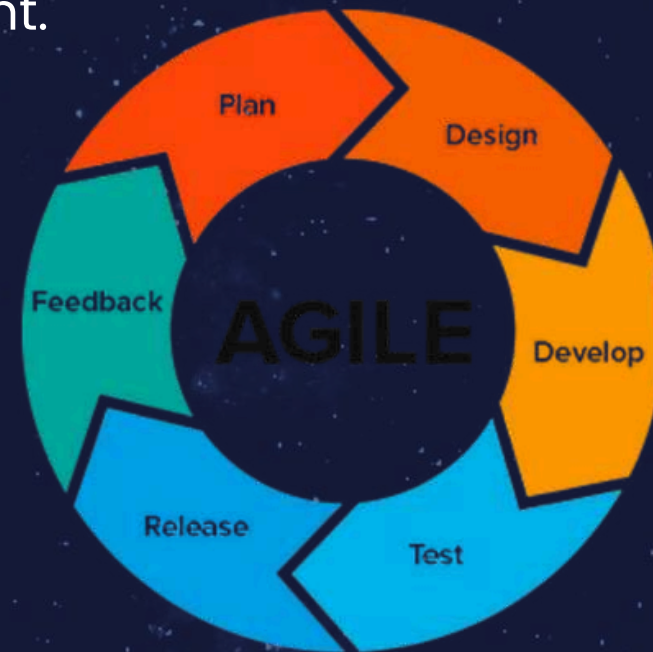
Functionalities:
- Login, user profiles.
- Publishing reports with images and descriptions.
- Real-time geolocation with Google Maps.
- Automatic notifications.

Exclusions:
- Does not include support for multiple languages.
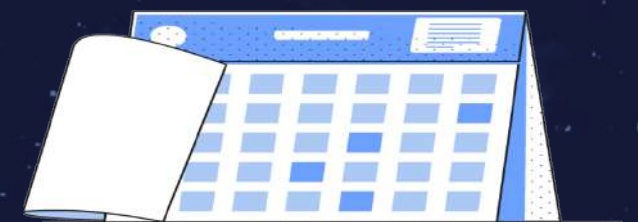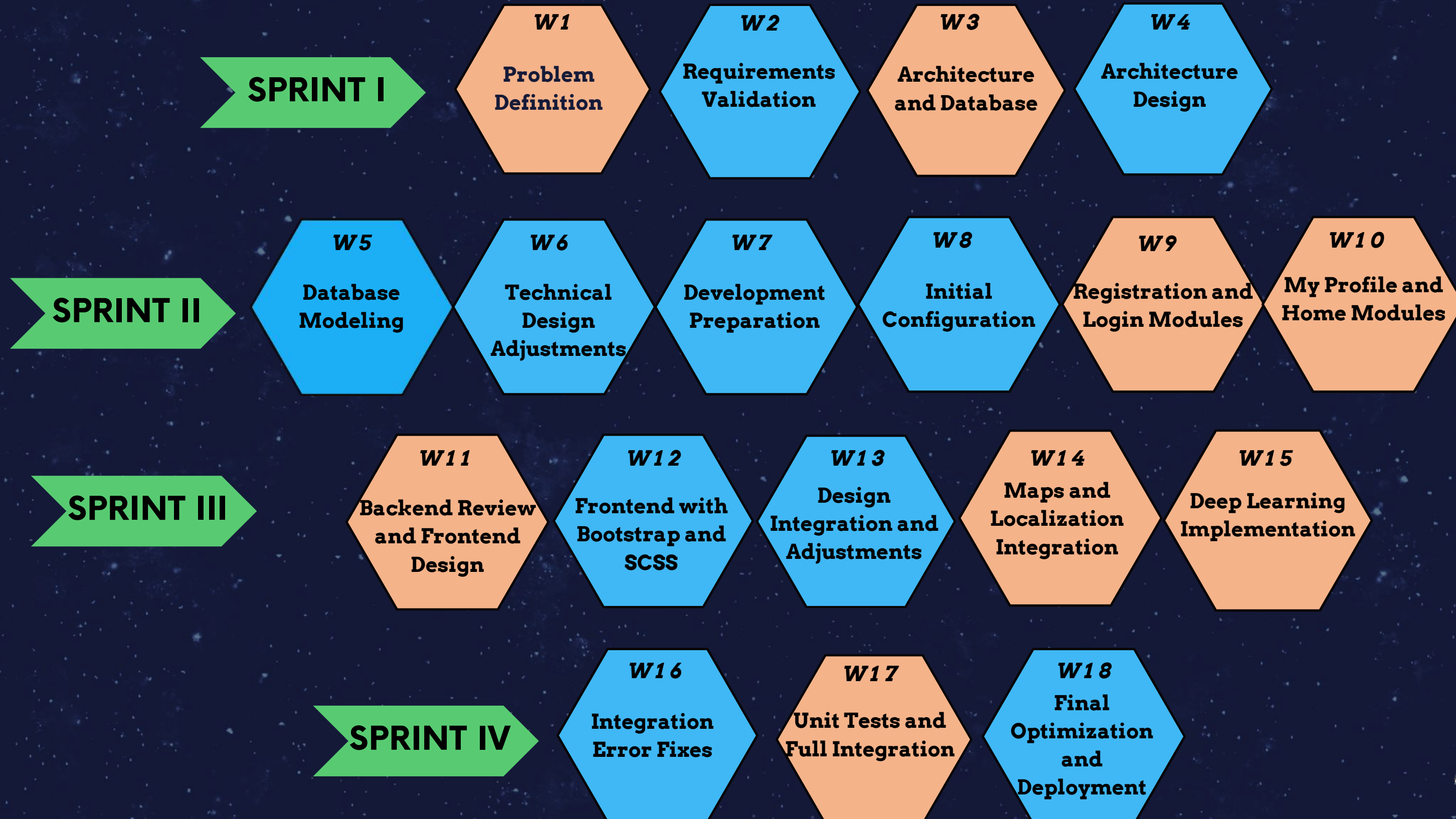
CMD
TECHNOLOGY

Agile Methodology

As a team, we have strictly followed the SCRUM methodology, which has allowed us to maintain an agile, efficient, and collaborative approach throughout the project's development.
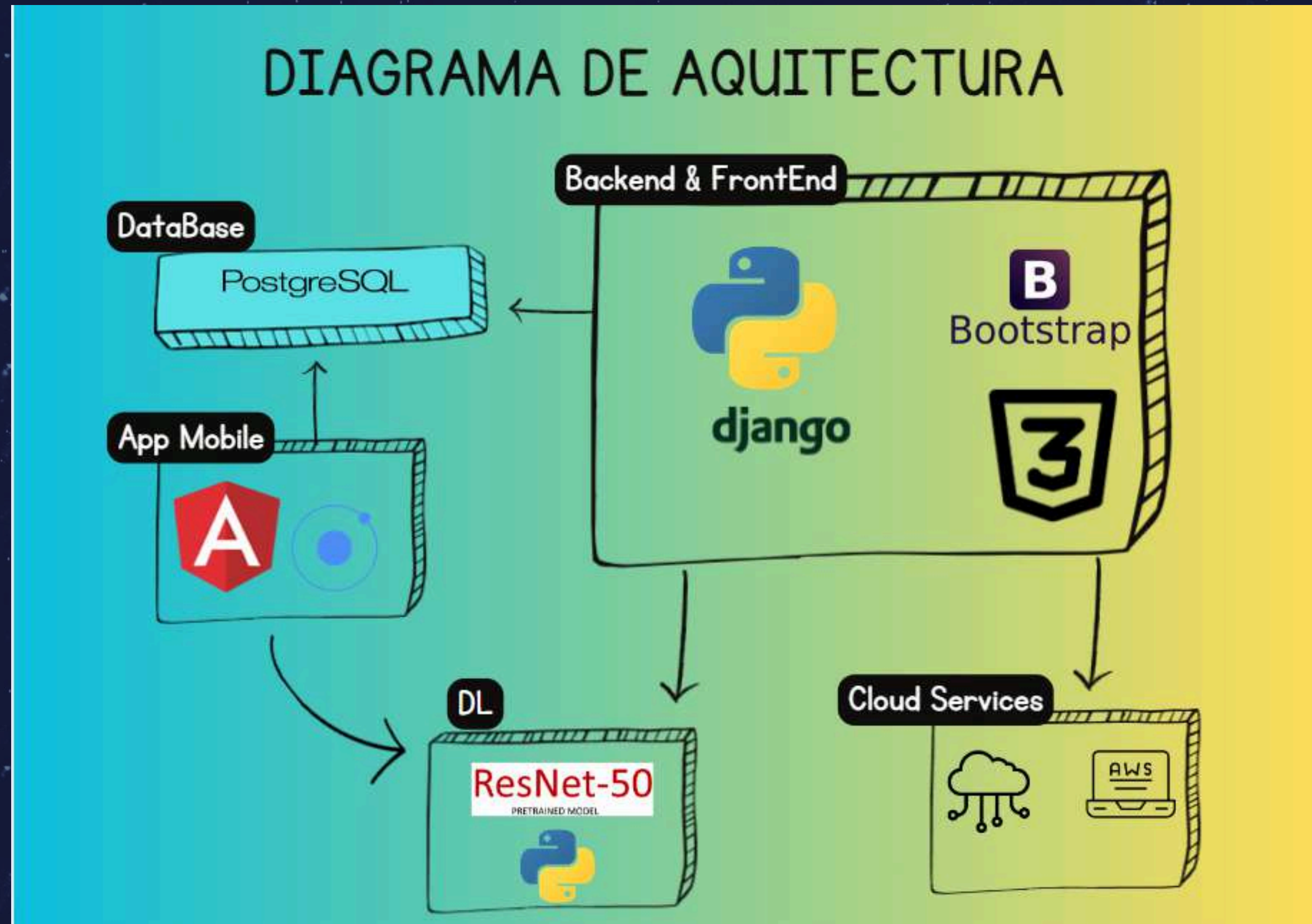

Advantages of this methodology

- Better Communication and Collaboration
- Risk Reduction
- Focus on Continuous Improvement
- Adaptability
- Incremental Delivery

Timeline

SPRINT I

W1	W2	W3	W4
Problem Definition	Requirements Validation	Architecture and Database	Architecture Design

SPRINT II

W5	W6	W7	W8	W9	W10
Database Modeling	Technical Design Adjustments	Development Preparation	Initial Configuration	Registration and Login Modules	My Profile and Home Modules

SPRINT III

W11	W12	W13	W14	W15
Backend Review and Frontend Design	Frontend with Bootstrap and SCSS	Design Integration and Adjustments	Maps and Localization Integration	Deep Learning Implementation

SPRINT IV

W16	W17	W18
Integration Error Fixes	Unit Tests and Full Integration	Final Optimization and Deployment

CMD TECHNOLOGY

ARCHITECTURE

DIAGRAMA DE AQUITECTURA

¿How does Finder work?

LOST

Fluffy, 6 years old, male

REWARD

11 11

Conclusion

"Together, we make it possible for every pet to return home."