

# pawfect Match



Your Pet's Happy Place!

# Purpose

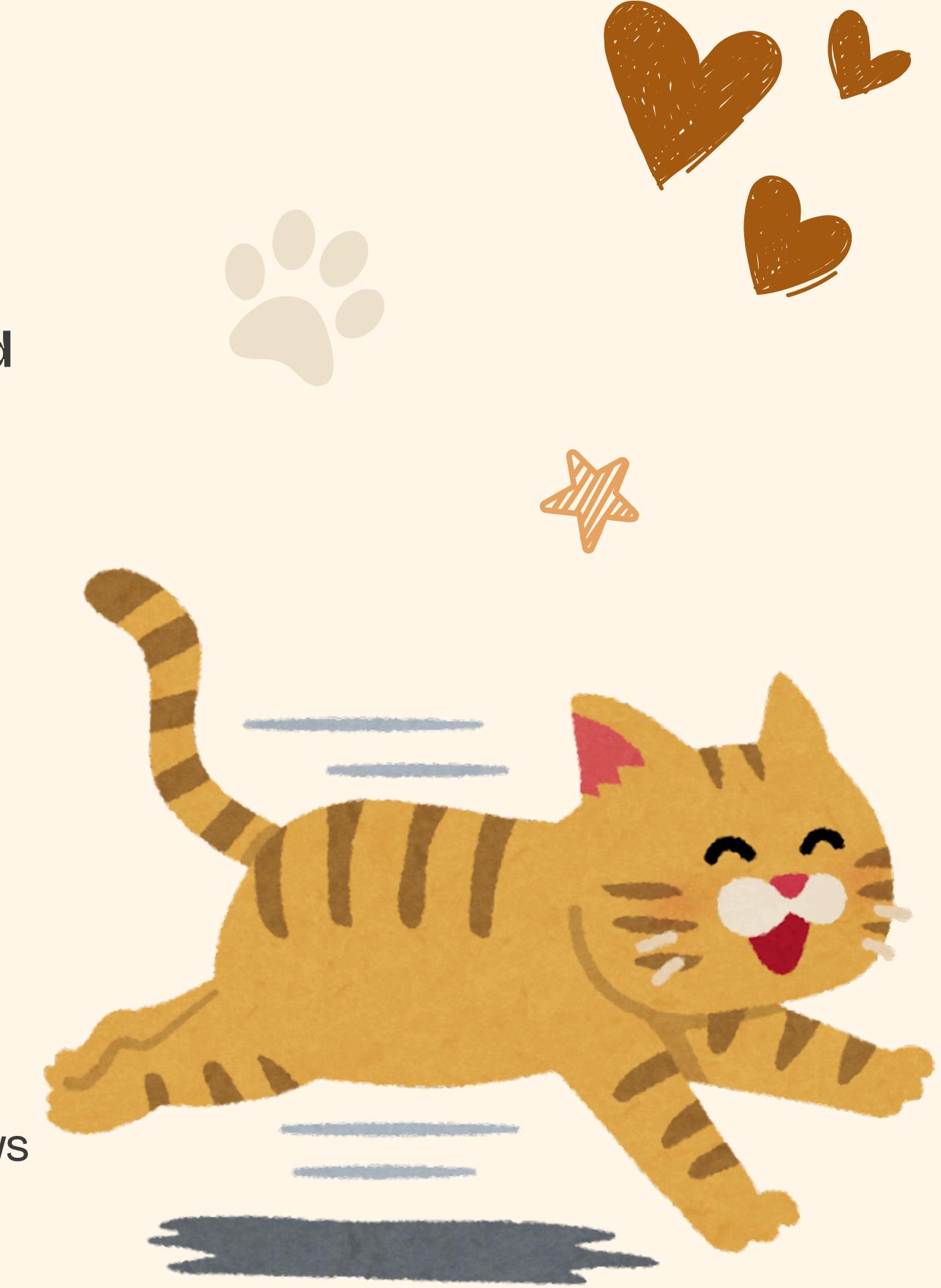
To address the fragmented pet care market by centralizing services and streamlining the booking process.

## Improve Convenience (Pet Owners)

- **Find & Compare:** Centralized search and filtering (location, price, type)
- **Book Confidently:** Smooth booking process with secure payments
- **Build Trust:** View and submit ratings and reviews of services

## Expand Visibility (Service Providers)

- **Attract Clients:** Showcase services beyond word-of-mouth
- **Manage Efficiently:** Tools to list offerings and manage bookings/availability
- **Build Credibility:** Clear and transparent service listings with rating and reviews



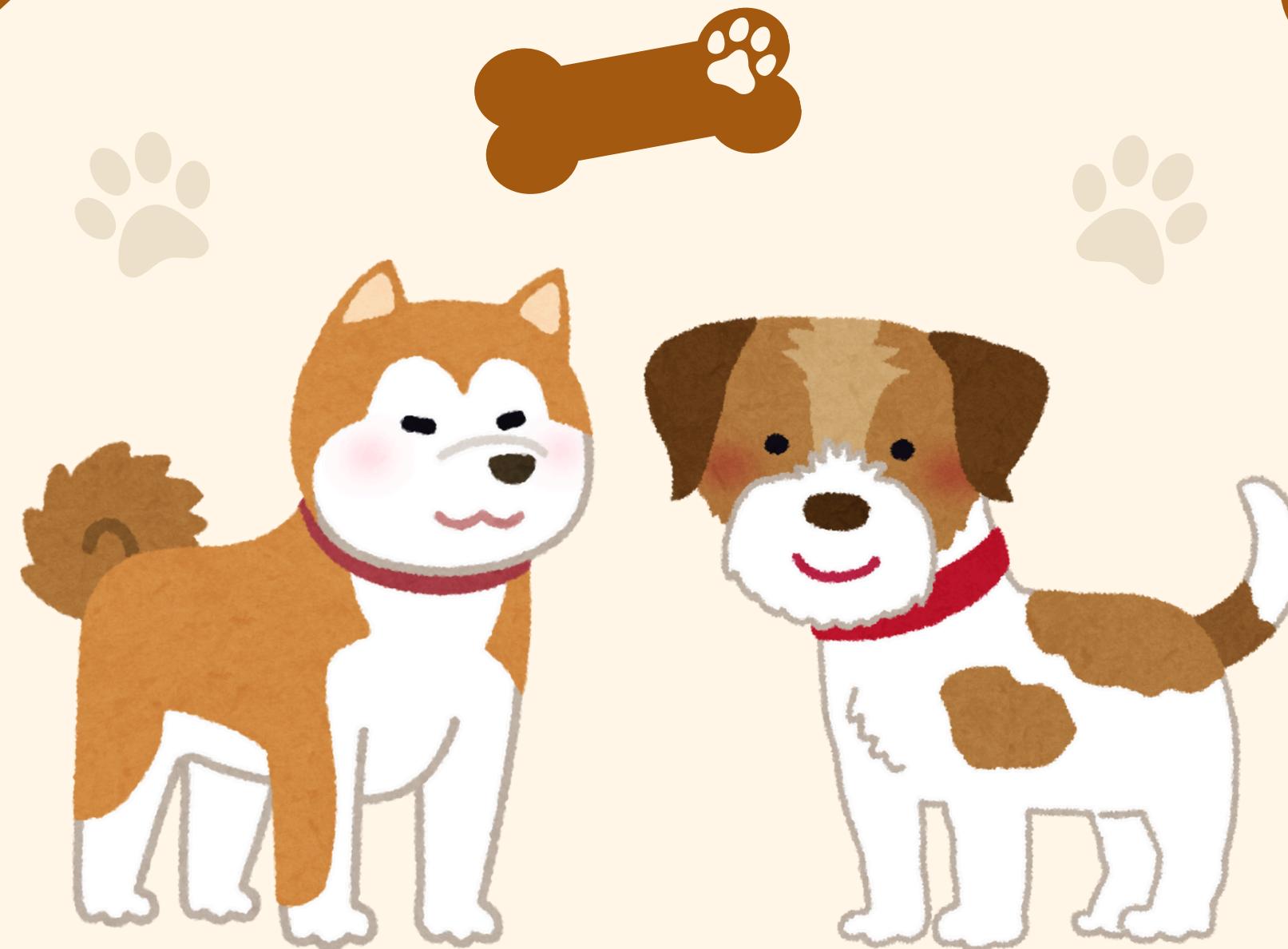
# Target Audience

## Pet Owners

Individuals who need a **convenient, centralized, and transparent** way to find and book pet care services

## Service Providers

Businesses/Individuals who need a platform to **gain visibility and efficiently manage bookings**



# Product Scope



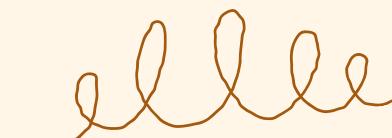
## Find

Discover and filter pet care services by type, location, price, and availability — all in one place



## Book

Schedule and confirm bookings with trusted providers easily with real-time updates



## Manage

Service providers can list, update, and manage their offerings and availability



# Main Features



## Search & Discover Services

The screenshot shows the search interface for finding pet care services. At the top, there's a header with the title "Amazing Pet Care Services" and a subtitle "Find trusted, loving pet care services in your area". Below the header are three filter buttons: "Trusted Providers", "Loving Care", and "Top Rated". The main area is titled "Amazing services found!" and shows two service providers: "Pet Grooming" (\$60/hr) and "Pet Walking" (\$100/hr). Each provider has a star rating, service type, price per hour, and a "View Details" button. To the left of these cards is a sidebar with "Filters" for "Search Services", "Category" (All Categories), "Location" (All Locations), "Max Price" (\$1000), and "Sort By" (Highest Rated).



## Manage Bookings

The screenshot shows the booking management interface. The title is "My Bookings" with the subtitle "Manage and view your pet care service bookings". Below the title, there are tabs for "All (3)", "Pending (1)", "Cancelled (0)", "Accepted (1)", "Declined (1)", "PendingPayment (0)", and "Completed (0)". The "Pending (1)" tab is selected. The main area displays a table of bookings:

SERVICE / PET	DATE / PET OWNER	STATUS	ACTIONS
Pet Grooming For: Dog	10/28/2025 By: 047af92c-74b1-42be-9dc1-d66cf4326854	Pending	<a href="#">View</a> <a href="#">Accept</a> <a href="#">Decline</a>
Pet Grooming For: Dog	10/6/2025 By: 047af92c-74b1-42be-9dc1-d66cf4326854	Accepted	<a href="#">View</a> <a href="#">Cancel</a> <a href="#">Confirm</a>
Pet Grooming For: Dog	10/15/2025 By: 047af92c-74b1-42be-9dc1-d66cf4326854	Declined	<a href="#">View</a>



# demo

Experience it in Action!



# Configuration Management

## Change Control

- Modifications require formal **Change Request** ticket and tracked in JIRA
- **Mandatory Peer Review** is via Pull Requests
- Changes must pass automated checks (Tests and Linting)



## Version Control

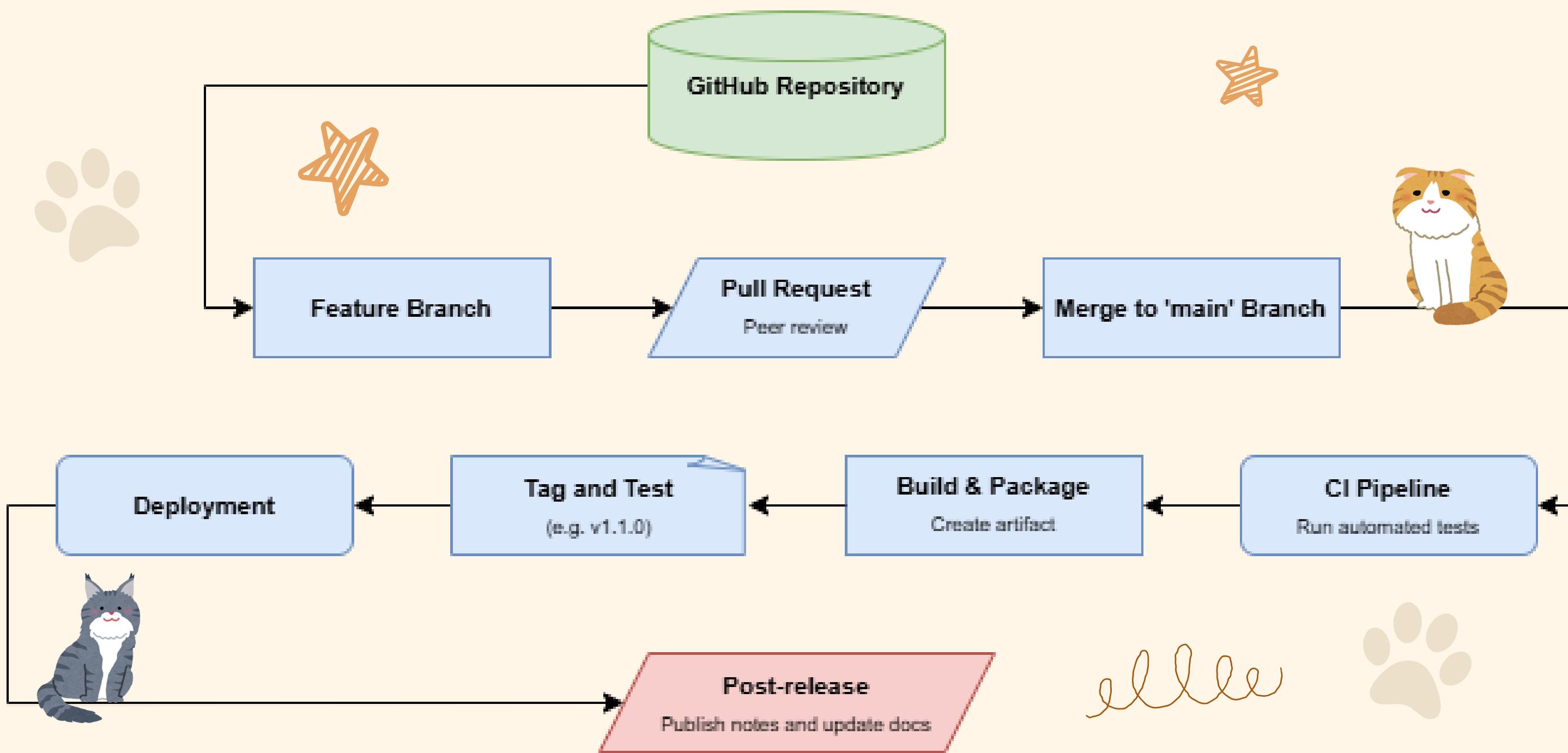
- GitHub = **Software Configuration Repository**
- Semantic Versioning (MAJOR . MINOR . PATCH)
- Baselines need PM and QA approval

## Product Building

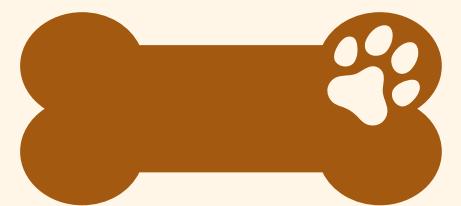
- **Configuration Audits** for each major release by QA manager
- **CI/CD Pipeline** overseen by whole team
- Product is **Complete, Repeatable, and Portable**



# Release Management



# "Development Journey"



# Lab 1

## Project Team Formation and Planning



### Achievements

- **Team Foundation:** Established team and allocated roles
- **Communication:** Decided on meeting schedule and channel
- **Project Idea:** Decided on Pet Service web application

### Issues

- **Scope:** Unsure of features to implement and feasibility of them
- **Tech Stack:** Unsure of technologies required to build wep app

### Solutions

- **Core Features:** Identified key features to implement for MVP demo and features for enhancement
- **Tools:** Chose JIRA for task tracking and Figma for UI wireframing
- **Tech Stack:** Agreed on React + TypeScript frontend, and FastAPI + PostgreSQL backend



# Lab 2



## Project Setup and Documentation

### Achievements

- **Documentation:** Drafted and completed...
  - Use Case Diagram and Description
  - Project Proposal
  - System Requirement Specification (SRS)
- **Wireframe:** Completed initial wireframes on Figma
- **Code Setup:** Completed setup of frontend and backend

### Issues

- **Core Features:** Need to start implementation for demo
- **Documentation:** Need to complete SRS and Quality Plan

### Solutions

- **Implementation:** Focus on features (Authentication, dashboard, and service listing)
- **Deadlines:** Established deadlines for all required documentations for the lab





# Lab 3



# Prototype Development



## Solutions

- **Development Focus:** Prioritized integration, and development of booking, search, and payment features
- **Enhanced Features:** Defined focus for next wave of work on enhanced features like filters and reviews after core features completed

## Achievements

- **Development:** Set up project structure and developed core authentication, dashboard, and service listing functionalities
- **Lab 2 Deliverables:** Completed SRS and Quality Plan
- **Deadlines:** Established estimated deadlines for project plan and risk management plan drafts

## Issues

- **Integration:** Need to start integrating frontend and backend
- **Scope Prioritization:** Need to prioritize and complete development of remaining web app features
- **Risk Management:** Need to identify initial project risks



# Lab 4

## Advance Development



### Achievements

- **Core Integration:** Completed critical backend endpoints and successfully integrated frontend with backend
- **Lab 3 Deliverables:** Finalized and approved risk management plan and project plan
- **Demo Preparation:** Achieved near complete functionality across all core modules required for demo

### Issues

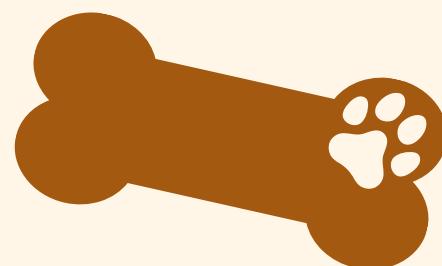
- **Documentation:** Need to draft...
  - System design for maintainability report
  - Config management plan
  - Change Management and Release plan

### Solutions

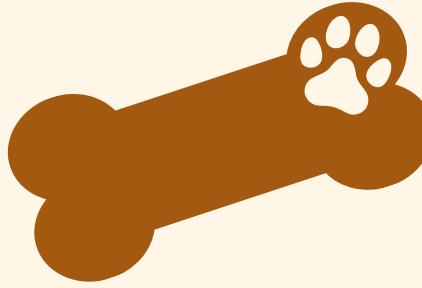
- **Artifact Distribution:** Assigned team members to each documentation that needed to be completed for lab deliverables

# Learning Objectives

Did we learn a lot? Hmm....

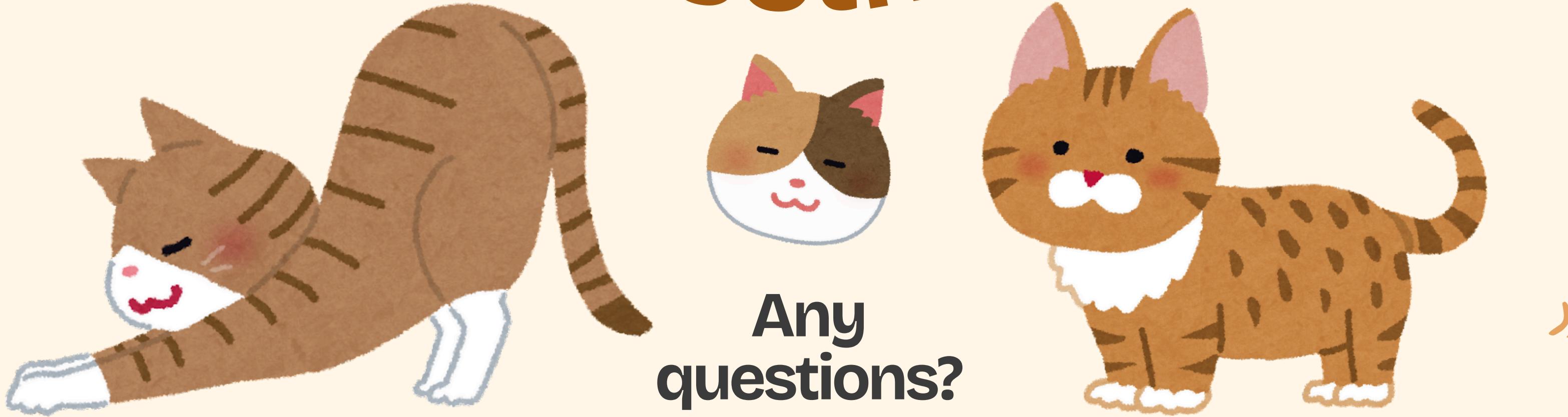


# What we took away so far...



- **Formal Proces:** Applied advanced SWE principles, moving beyond just coding to establish formal processes
- **Planning Accuracy:** Learnt and used detailed estimation techniques (FPA) to set realistic schedules and manage resource allocation
- **Documentation:** Understood the necessity of comprehensive documentation as the formal baseline against which all code changes are performed
- **Quality First:** Established mandatory QA gates, including formal PEER Review and CRISP criteria
- **Role Clarity:** Understood the overall importance of clear project planning and defining roles to minimize confusion and duplication of work

“Thank you for listening to  
**PawfectMatch**”



Any  
questions?