

Pet Haven – Your Trusted Pet Care Service Provider

Finding reliable pet care services, from dog purchases to grooming and competitions, can be a challenge without the right platform. Pet owners deserve access to skilled, verified professionals who can offer the best care for their pets, whether it's booking grooming sessions, buying a dog, or participating in competitions.

Pet Haven is a platform that connects discerning pet owners with trusted pet care professionals. The system enables pet owners to seamlessly browse profiles, read ratings, and book services while enjoying transparent pricing. Service providers can showcase their expertise, set their own rates, and build their client base in a streamlined, efficient manner.

“Until one has loved an animal, a part of one's soul remains unawaken.”

– Anatole France

Modules to Roll Out:

- 1. User Registration, Login, and Role Management System:** Ensures secure access with tailored permissions for users, such as pet owners, trainers, and admins.
- 2. Canine Commerce (Dog Sales):** Facilitates browsing, filtering, and purchasing dogs with seamless checkout and billing integration.
- 3. Dog Spa Booking and Management:** Integrates spa appointments with the dog purchase module, enabling users to book spa services for their pets.
- 4. Dog Competition Registration and Scheduling:** Allows pet owners to register for competitions, view event details, and pay the registration fee.
- 5. Profit and Revenue Analytics:** Provides insights into revenue across dog sales, spa services, and competition registrations, along with groomer performance analysis.
- 6. Automated Notifications:** Keeps users informed about appointments, competition updates, and payment confirmations.

Module Breakdown:

1. User Registration, Login, and Role Management System

A secure and flexible authentication system, allowing for role-based access control to the platform. This module ensures that both customers and service providers can securely register and access the system based on their roles.

Key Features:

- **Custom Roles and Permissions:**
 - Admins can define roles like Customer, Trainer, and Admin.
 - Permissions control access to features such as service bookings, profile management, and revenue tracking.
- **Dynamic Role Assignment:**
 - Admins can upgrade users from customer to service provider as needed.
- **Service Provider Registration:**
 - Service providers register with details like name, service type (grooming, training), location, hourly rate, certifications, and experience.
 - Documents (ID, qualifications) are uploaded for admin verification.
- **Admin Verification Process:**
 - Admins verify service provider details before listing them for customer bookings.
 - Rejected providers are notified via email.
- **Customer Registration:**
 - Customers register with basic details (name, email, location).
 - Admin reviews flagged accounts to ensure legitimacy.
- **Authentication:**
 - Multi-factor authentication (MFA) for both service providers and customers.
 - Token-based session management for secure login.
- **Password Management:**
 - Forgot password and reset functionality via email/SMS.
- **Email Notifications:**
 - Notifications about approval, denials, and successful registrations.

2. Canine Commerce (Dog Sales)

This module allows users to browse, filter, and purchase dogs. The platform provides an easy-to-use shopping experience, along with a seamless checkout and billing integration.

Key Features:

- **Dog Gallery & Display**
 - A visually appealing gallery presents all available dogs, displaying their images, breed, age, and cost in a grid format.
 - Enables users to refine their search using filters for specific criteria like breed (e.g., Labrador, Poodle), age range (e.g., puppies, adults), and price range to suit their preferences.
- **Detailed Dog Profile**
 - Clicking on a dog's image directs users to a detailed profile page that includes essential details such as the breed, age, cost, and additional information like health records and vaccination history.
 - The profile page provides a clear option to add the selected dog to the cart for purchase, ensuring a streamlined shopping experience.
- **Cart and Checkout**
 - Displays all selected dogs along with their breed, age, and cost, offering users a consolidated view of their chosen pets.
 - Shows the total cost of the selected dogs, along with options to modify the cart, such as removing items or adjusting selections before proceeding.
 - Allows users to proceed to a secure payment page to complete their purchase.
- **Order Confirmation**
 - After successful payment, users receive a confirmation message that includes a unique order ID and the estimated delivery date.
 - This step ensures transparency and builds customer trust by providing clear information about the delivery timeline and order tracking options.

3. Dog Spa Booking and Management

Enables customers to book grooming and spa services for their dogs. Integrated with the Dog Purchase module for seamless service bookings.

Key Features:

- **Spa Overview Page**
 - A dedicated page provides an overview of all available spa services for dogs, such as grooming sessions, health check-ups, and relaxation therapies. Each service is described with its benefits, duration, and associated costs to help users make informed choices.

- **Trainer Profiles**
 - Displays profiles of spa trainers, highlighting their areas of expertise, such as grooming, massage, or health care services, to ensure pet owners can select the right trainer for their needs.
 - Provides real-time updates on each trainer's availability, making it easy for users to choose convenient appointment slots.
- **Appointment Booking**
 - Users can select preferred dates, times, and specific services from an intuitive calendar interface.
 - Updates the total cost dynamically based on selected services and durations, ensuring clarity and avoiding surprises during billing.
- **Integration with Cart**
 - Allows users to add spa service bookings directly to the cart alongside dog purchases. This ensures a unified checkout process where all costs, including dog purchases and spa services, are consolidated for easy payment.

4. Dog Competition Registration and Scheduling

Allows customers to register their dogs for competitions, view event details, and manage participation.

Key Features:

- **Competition Overview Page**
 - A comprehensive page that introduces users to the various competition categories, such as obedience trials, agility challenges, and "best coat" showcases. This section explains the purpose and benefits of participating, fostering excitement and encouraging registrations.
- **Registration Form**
 - A user-friendly form gathers essential information, including the dog's breed, age, name, and any notable past achievements. It also collects the owner's contact details to facilitate communication and updates.
 - The form ensures a smooth registration process, making it quick and accessible for participants.
- **Payment**
 - A fixed fee of ₹500 is required for each registration. Users can complete the payment securely via integrated payment gateways.
- **Event Schedule**
 - Displays the date, time, and location for each competition category, enabling participants to plan their attendance effectively.

- Competitions are organized based on dog breeds, age groups, or skill levels, ensuring fair participation and excitement for all entrants.
- **Notifications**
 - Sends automated confirmation emails or SMS notifications upon successful registration, including the registration details and event-specific information.
 - Provides timely reminders about the competition date and alerts participants about any changes to the schedule or event location.

5. Profit and Revenue Analytics

This module enables tracking of business performance across different services like dog sales, spa bookings, and competition registrations.

Key Features:

- **Revenue Breakdown**
 - Provides a detailed summary of total revenue generated from different modules, including dog sales, spa services, and competition registrations.
 - Further divides revenue by specific categories, such as dog breed popularity in sales, frequently booked spa services, and the number of participants in each competition event.
- **Groomer Performance**
 - Monitors the number of appointments handled by each groomer over the month, highlighting their contribution to overall spa revenue.
- **Monthly Trends Dashboard**
 - Displays revenue patterns through graphs and charts, helping visualize daily, weekly, and cumulative revenue trends across the month.
- **Net Profit Calculation**
 - Comprehensive Financial Insights: Calculates the net profit by deducting operational expenses such as trainer fees, spa maintenance, and competition organization costs from total revenue.
- **Insights and Recommendations**
 - Based on performance data, suggests improvements such as offering discounts on less popular breeds, promoting underbooked spa services, or increasing visibility for competition events.
 - Recommends strategies for boosting revenue, such as targeted promotions, better resource allocation, and enhanced service offerings.

6. Automated Notifications

Keep users informed about upcoming appointments, competitions, and payments.

Key Features:

- **Appointment Reminders:**
 - Customers and trainers receive timely notifications about upcoming spa appointments. These reminders ensure both parties are well-prepared, reducing the chances of missed bookings and enhancing the overall service experience.
- **Competition Alerts:**
 - Participants are kept informed about important updates regarding competitions, such as schedule changes, venue details, or special announcements. This helps maintain engagement and ensures participants are always aware of event-related information.
- **Payment Confirmations:**
 - Upon successful payment, users receive confirmation messages via both email and SMS. These receipts include essential transaction details, such as the amount paid, transaction ID, and a summary of the services or products purchased, ensuring clarity and trust.

Sample Figma Screens:

Note: The attached sample wireframes are provided for reference only, and not all screens are included. You are encouraged to incorporate your creativity and innovation into the design.

Fig 1:

Welcome Back
Login to access your PetCare account

Login Register

Select Role
Customer

Email
Enter your email

Password
Enter password

☐ Remember me [Forgot password?](#)

Login

Protected by reCAPTCHA and subject to the Privacy Policy and Terms of Service

Fig 2:

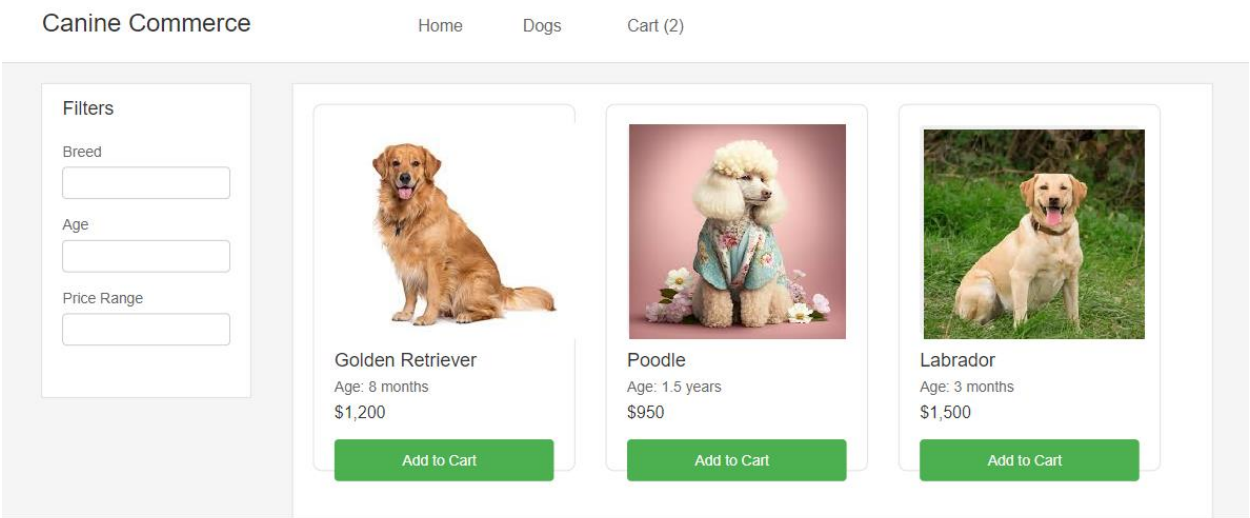


Fig 3:

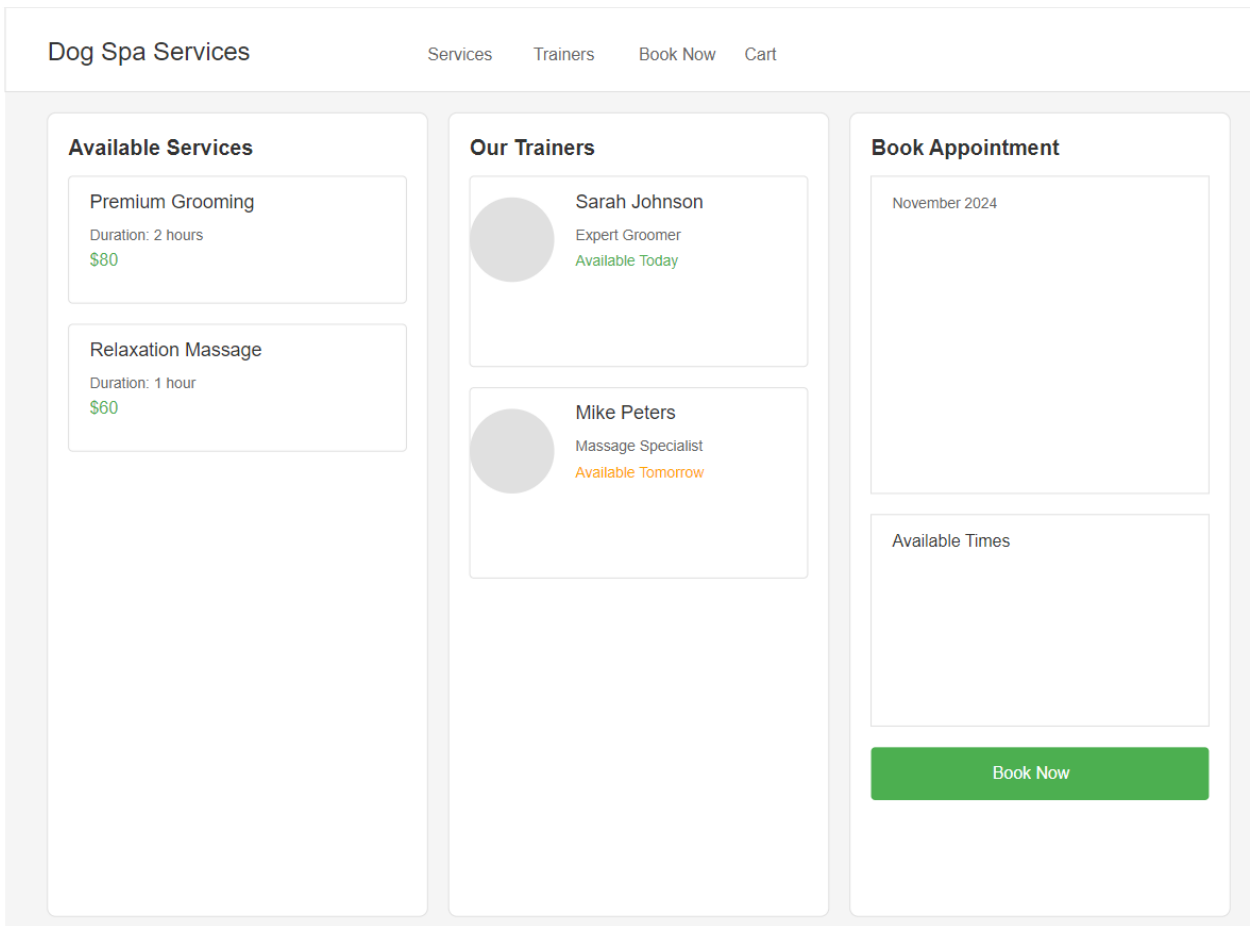


Fig 4:

Dog Competition Events

EventsRegisterScheduleMy Events

Competition Categories

Obedience Trials

Test your dog's training skills

Join

Agility Challenge

Showcase agility and speed

Join

Registration Form

Dog's Name

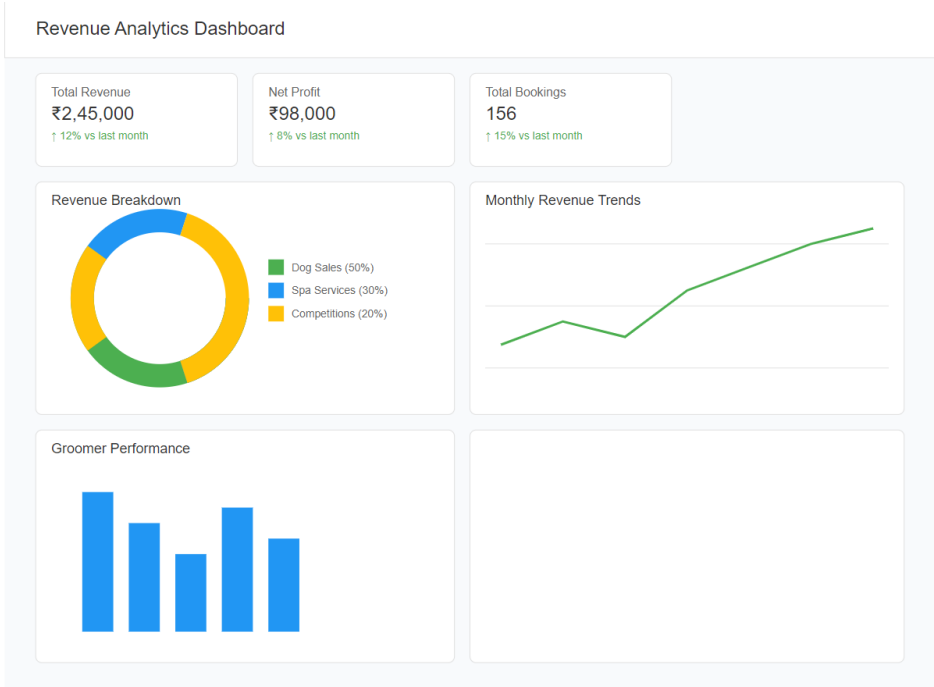
Breed

Age

Past Achievements

Registration Fee: ₹500

Fig 5:



- Project Team
- UI Design Mockups
- Database design
- Use case Diagrams
- Class Diagram
- Test Cases

Technology Stack:

- **Framework:** Flask
- **Frontend:** HTML, CSS, JavaScript
- **Backend:** Python
- **Visualization:** Matplotlib/Seaborn/Plotly
- **Database:** SQLAlchemy for ORM with SQLite3
- **Testing:** Unittest/Pytest

Milestones:

Week	Milestone	Deliverables
1	Project Launch Document	Completed Project Launch Document
	Flask Setup	<ol style="list-style-type: none"> 1. Basic application setup 2. Database schema design for the project 3. UI wireframes/mockup
2	Database Design	
	Front-end UI Design	
3	User Registration, Login, and Role Management System	Implemented user registration and secure login. Set up role-based access control for users of the application.
4	Canine Commerce (Dog Sales)	Implemented Canine commerce features. Facilitate browsing, filtering, and purchasing dogs.
5	Dog Spa Booking and Management	Integrate spa appointments with the dog purchase module, enable the users to book spa services for their pets.
6	Dog Competition Registration and Scheduling	Allow pet owners to register for competitions, view event details, and pay the registration fee.
7	Profit and Revenue Analytics	Provide insights into revenue across dog sales, spa services.
8	Testing and Deployment	Performed unit testing, end-to-end testing and application deployed.