



Vivekanand Education Society's Institute of Technology

(Autonomous Institute Affiliated to University of Mumbai, Approved by AICTE & Recognised by Govt. of Maharashtra)
NAAC accredited with 'A' grade

Title of the Project:

Pawsitive Care (Pet wellness app)

By Atif Ansari (Roll no. 04)



Content

- Introduction & Aim
- Problem Statement
- Objectives of the project
- Tech Stack & System Requirements
- Core Features
- Screenshots of UI
- Benefits to Users
- Use Cases / Real – Life Application
- Future Scope
- Conclusion



Introduction & Aim

Introduction:

Pawsitive Care is a dedicated mobile application developed using Flutter to revolutionize pet wellness management. Designed with an emphasis on user-friendliness and functionality, the app serves as a comprehensive digital solution for pet owners.

Aim:

To create an innovative mobile application that facilitates efficient pet healthcare management, enabling owners to easily track health records, schedule reminders for daily care and vaccinations, and book veterinary appointments, thereby enhancing the quality of pet care.



Problem Statement

Despite the growing number of pet owners, a significant gap exists in digital tools that consolidate pet health information, manage vaccination schedules, daily care routines, and emergency vet contacts, which Pawsitive Care addresses by offering an integrated solution to ensure no aspect of pet wellness is overlooked.



Objectives of the project

- **Centralize Pet Health Management:** Develop a single platform to store and manage detailed pet profiles and medical records.
- **Enhance Routine Care:** Provide automated reminders for feeding, grooming, vaccination, and expense tracking.
- **Facilitate Veterinary Services:** Enable seamless booking of veterinary appointments and consultations.
- **Comprehensive Pet Care Management:** Integrates vet appointment booking, expense tracking, pet adoption services, vaccination scheduling, diet tracking, detailed pet profiles, and grooming schedule booking to address every essential aspect of pet wellness.



Tech Stack & System Requirements

❖ Tech Stack:

✓ Frontend:

Flutter & Dart for a smooth, cross-platform mobile experience across Android devices.

✓ Backend:

Firebase used for authentication, real-time updates, and robust data handling.

✓ Database:

Google Firestore and SharedPreferences for cloud-based and local persistent storage.

❖ System Requirements (for Development & Usage):

✓ **Development Tools:** Android Studio or Visual Studio Code with Flutter SDK

✓ **Mobile OS Support:** Android 6.0 (Marshmallow) and above

✓ **Minimum RAM:** 4 GB (8 GB recommended for smooth development)

✓ **Mobile Storage Required:** ~100 MB for app installation

✓ **Internet Connectivity:** Required for Firebase features like cloud sync and authentication.

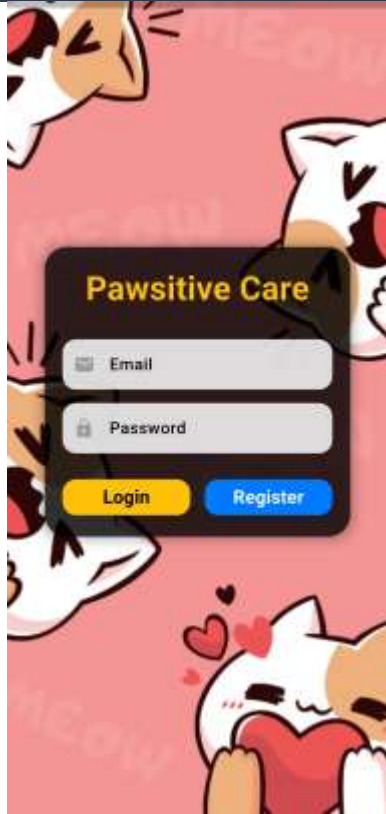


Core Features

- ☐ **Vet Appointment Booking:** Users can schedule in-person or online consultations with veterinary professionals.
- ☐ **Vaccination Scheduling:** Allows users to book and track vaccination appointments with timely reminders.
- ☐ **Expense Tracker:** Helps monitor and manage pet-related expenses for medical, grooming, and food needs.
- ☐ **Pet Adoption Module:** Displays verified adoption listings for users looking to adopt pets or put them up for adoption.
- ☐ **Diet Tracker:** Lets owners plan and log pet meals based on breed, age, and dietary needs.
- ☐ **Pet Profiles:** Create individual profiles for each pet including name, age, breed, biography and favourite activities.
- ☐ **Grooming Schedule Booking:** Book grooming sessions and set reminders to maintain pet hygiene.



Screenshots of UI

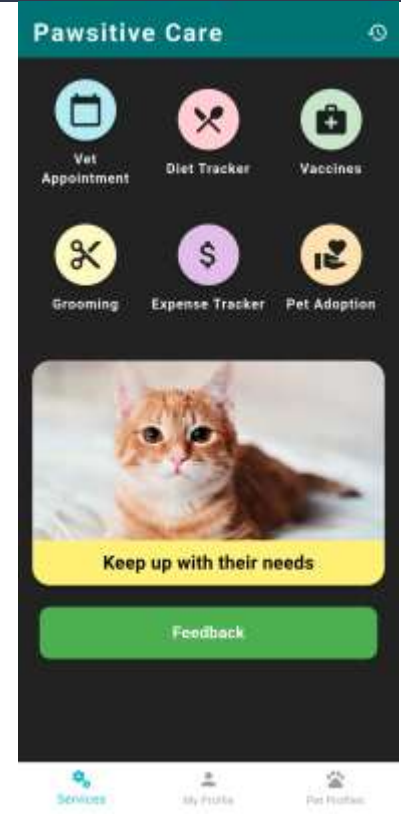


Login page:

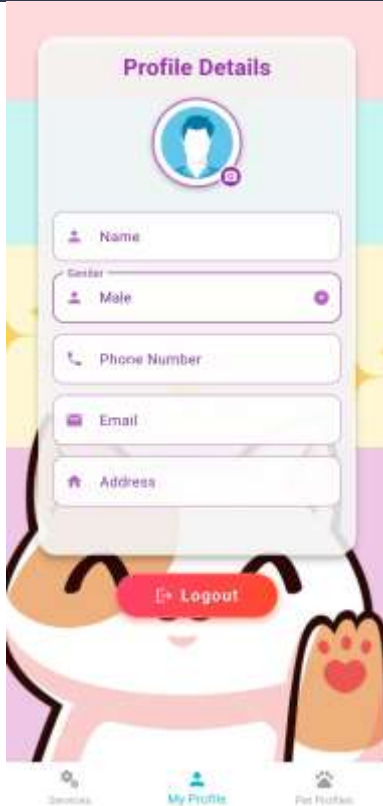
Authenticates mail
via Firebase mail
authentication.

Home page:

The Main page
consisting of all
the features.

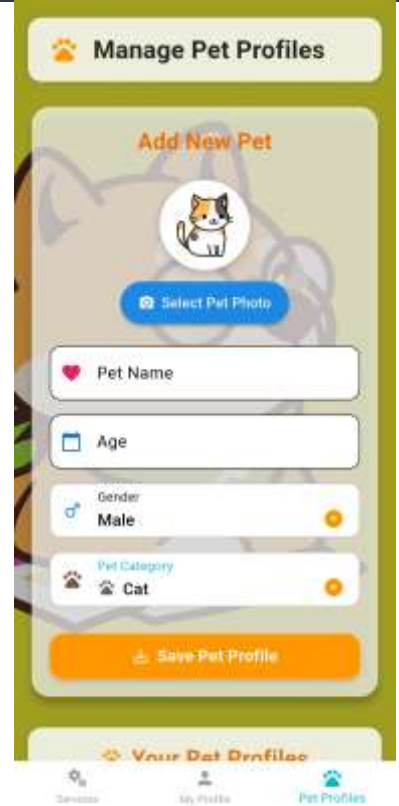


Screenshots of UI



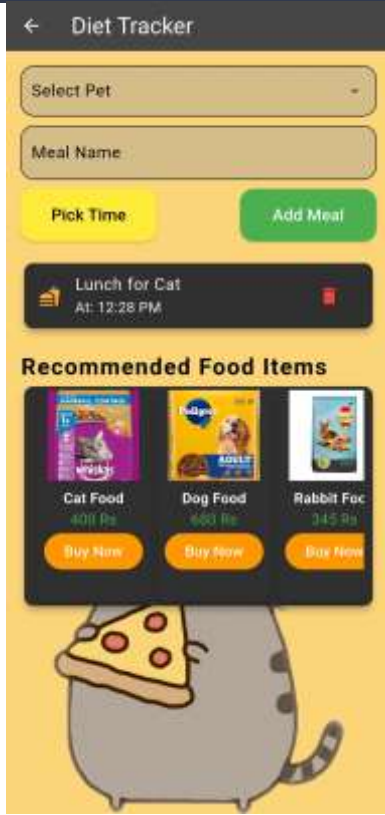
← Owner profile page

Pet profile page →



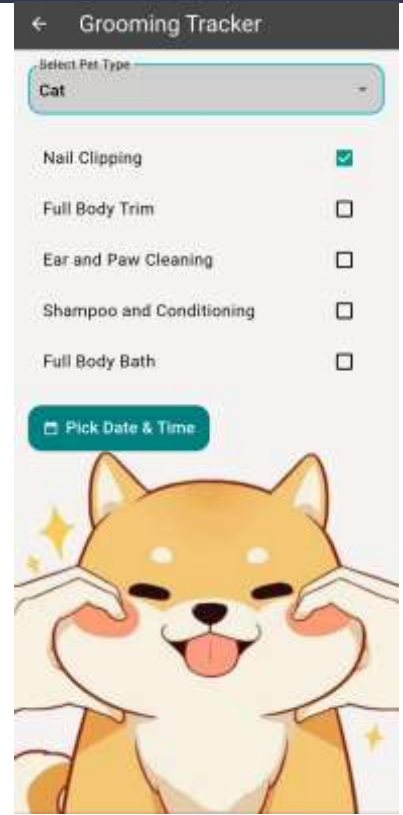


Screenshots of UI



Diet tracker page:

Add diet reminders for pets and recommended food items to purchase.

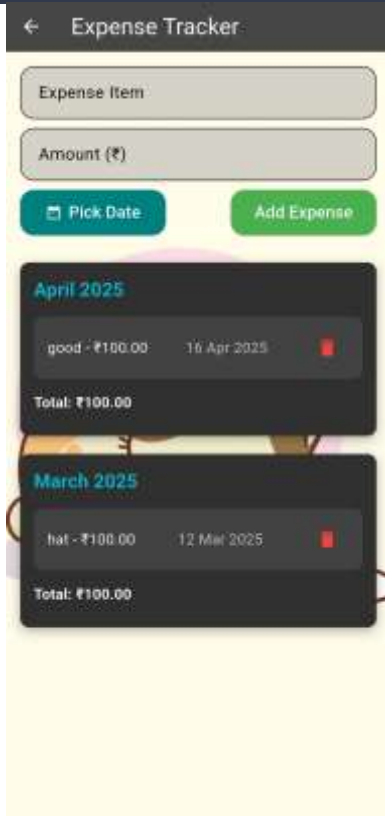


Grooming tracker page:

Book and schedule pet grooming sessions as per the user preference.

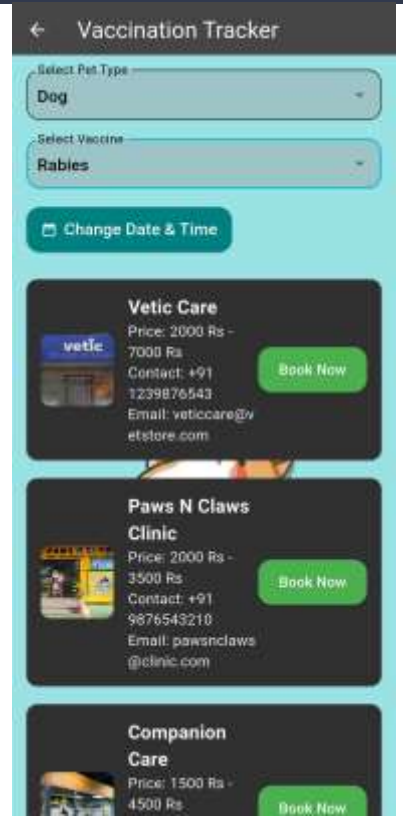


Screenshots of UI



Expense tracker page:

Track monthly expenses easily.



Vaccination tracker page:

Book and schedule vaccinations for pets as per the user preferences of vaccines.



Benefits to Users

- **Centralized Pet Care:** Manage all essential aspects of pet wellness—appointments, profiles, diets, and more—within a single app.
- **Health Routine Management:** Users can book vet visits, schedule vaccinations, and maintain grooming routines with ease.
- **Expense Tracking:** Monitor pet-related expenses like food, healthcare, and grooming for better financial planning.
- **Personalized Pet Profiles:** Store detailed information for each pet, including name, age, breed, and hobbies.
- **Nutritional Monitoring:** The diet tracker supports consistent and healthy feeding habits tailored to each pet.
- **Promoting Adoption:** The in-app adoption section helps users connect with verified pet listings and give animals a loving home.



Use Cases / Real – Life Application

- ✓ **First-Time Pet Owners:** Receive guided care with pre-scheduled reminders and easy profile management.
- ✓ **Busy Professionals:** Keep track of appointments, feeding, and grooming without missing important dates.
- ✓ **Families with Multiple Pets:** Create and manage individual care schedules and expenses for each pet.
- ✓ **Pet Caretakers & Sitters:** Access important pet data quickly when managing others' pets.



Future Scope

- ❑ **AI-Powered Health Insights:** Integrate machine learning to analyze pet data and provide personalized health recommendations, dietary plans, and alert predictions for upcoming vaccinations or symptoms.
- ❑ **Chatbot Assistance:** Implement a virtual assistant to help users with FAQs, appointment reminders, and pet care tips in real-time.
- ❑ **Wearable Device Integration:** Sync with smart pet collars or fitness trackers to monitor activity levels, sleep patterns, and vitals directly within the app.
- ❑ **Multi-Pet Dashboard:** Introduce an advanced dashboard for managing multiple pets with separate profiles and timelines.
- ❑ **Community & Adoption Network:** Expand the pet adoption module into a social platform for verified listings, rescue collaborations, and pet owner networking.



Conclusion

Pawsitive Care brings together essential features—vet appointment scheduling, health and vaccination tracking, grooming bookings, and expense management—into one cohesive mobile application. Built with Flutter and Firebase, the app streamlines pet care management, allowing users to maintain organized records and coordinate daily wellness tasks effectively.