

Project Title: Pet Marketplace and Street Animal Support App

Abstract:

The Pet Marketplace and Street Animal Support App is a mobile application developed using Flutter for the front end and Python for the back end. This app aims to create a secure, efficient, and community-oriented platform where users can buy, sell, and adopt pets, with an additional feature to support street animals. The application serves four primary user roles: Admin, Seller, Buyer, and Public User. Each role offers dedicated functionalities to streamline pet transactions, promote responsible pet ownership, and encourage community involvement in supporting street animals.

Key Modules and Features:

1. Admin Module

- **User Management:** Manage all users on the platform, including sellers, buyers, and public users.
- **Pet Listing Approval:** Review and approve pet listings submitted by sellers to ensure compliance with platform standards.
- **Transaction Monitoring:** Track and manage platform transactions for secure, transparent dealings.
- **Payments and Reports:** Generate and review detailed reports on platform transactions.
- **Seller Approval and Rejection:** Approve or reject sellers based on eligibility criteria.

2. Seller Module

- **Authentication and Profile Management:** Allow sellers to securely register and manage their profiles.
- **Pet Listings:** Enable sellers to add details about pets for sale, including price, photos, and descriptions.
- **Buyer Communication:** Integrated chat functionality to interact with potential buyers.
- **Payment Management:** Track and manage payments for pet sales.
- **Order Management:** View and manage incoming orders from buyers.

3. Buyer Module

- **Authentication and Profile Management:** Register and manage buyer profiles for secure access.
- **Cart and Wishlist:** Allow buyers to add pets to their cart or wishlist for future consideration.
- **Order Management:** Track and manage orders, including order history and status updates.

4. **Public User Module (Community Support)**

- **Street Pet Listing:** Public users can add listings of street animals they find, including photos, location, and health details to promote awareness and encourage adoption.
- **Adoption Support:** Facilitate community members in viewing and possibly adopting street animals listed by public users.
- **Community Awareness:** Provide a section for resources, tips, and guidelines on helping street animals, including information on local animal shelters and NGOs.
- **Reporting and Feedback:** Allow public users to report any issues or suggest improvements for street animal support within the app.