

Agile Tasks

1. User Authentication & Authorization

User Story:

As a user, I want to register and log in securely so that I can access and manage my pet-related activities.

Tasks:

- **Implement Registration Functionality**
 - Design registration form.
 - Validate user input.
 - Store user data securely.
 - **Implement Login Functionality**
 - Design login form.
 - Authenticate user credentials.
 - Manage session tokens.
 - **Set Up Role-Based Access Control (RBAC)**
 - Define user roles (e.g., admin, vet, regular user).
 - Restrict access to certain features based on roles.
-

2. Pet Profile Management

User Story:

As a user, I want to create and manage pet profiles so that others can view and interact with them.

Tasks:

- **Create Pet Profile**

- Design pet profile form.
 - Validate and store pet information.
 - **Edit Pet Profile**
 - Retrieve existing pet data.
 - Update and save changes.
 - **Delete Pet Profile**
 - Implement soft delete functionality.
 - Ensure data integrity.
-

3. Adoption Posts

User Story:

As a user, I want to post adoption listings so that pets can find new homes.

Tasks:

- **Create Adoption Post**
 - Design adoption post form.
 - Link post to pet profile.
 - **View Adoption Posts**
 - Implement listing with filters (e.g., species, location).
 - Paginate results.
 - **Edit/Delete Adoption Post**
 - Allow users to modify or remove their posts.
-

4. Reporting Animal Abuse

User Story:

As a user, I want to report animal abuse incidents so that appropriate actions can be taken.

Tasks:

- **Submit Abuse Report**
 - Design report submission form.
 - Validate and store report details.
 - **Admin Review Reports**
 - Implement admin dashboard for reviewing reports.
 - Enable status updates (e.g., pending, resolved).
-

5. Help Requests

User Story:

As a user, I want to request help for pet-related issues so that the community can assist.

Tasks:

- **Post Help Request**
 - Design help request form.
 - Categorize requests (e.g., medical, lost pet).
 - **Comment on Help Requests**
 - Enable users to provide assistance or advice.
 - **Close Help Request**
 - Allow users to mark requests as resolved.
-

6. Amber Alerts for Missing Pets

User Story:

As a user, I want to issue amber alerts for missing pets so that others can help locate them.

Tasks:

- **Create Amber Alert**
 - Design alert creation form.
 - Include pet details and last seen location.
 - **Distribute Alerts**
 - Notify users in the vicinity.
 - Display alerts prominently on the platform.
 - **Update Alert Status**
 - Allow users to mark pets as found.
-

7. Veterinarian Directory

User Story:

As a user, I want to find veterinarians nearby so that I can seek professional help for my pet.

Tasks:

- **Add Veterinarian Profiles**
 - Collect vet details (e.g., name, clinic, services).
 - Verify credentials.
 - **Search and Filter Vets**
 - Implement search functionality by location and specialty.
 - **User Reviews and Ratings**
 - Allow users to rate and review vets.
-

8. Pet Foods and Accessories Marketplace

User Story:

As a user, I want to browse and purchase pet foods and accessories so that I can provide for my pet's needs.

Tasks:

- **List Products**
 - Add product details (e.g., name, category, price).
 - Upload product images.
 - **Shopping Cart Functionality**
 - Add to cart, update quantities, remove items.
 - **Checkout Process**
 - Implement payment gateway integration.
 - Generate order confirmations.
-

9. Health Alerts (Pandemics and Flu)

User Story:

As a user, I want to receive health alerts related to pets so that I can take preventive measures.

Tasks:

- **Create Health Alerts**
 - Admins can post alerts with relevant information.
 - **Notify Users**
 - Send notifications to users based on location.
 - **Archive Past Alerts**
 - Maintain a history of previous alerts for reference.
-

10. Notifications System

User Story:

As a user, I want to receive notifications about important events so that I stay informed.

Tasks:

- **In-App Notifications**
 - Display alerts within the platform.
 - **Email Notifications**
 - Send emails for critical updates.
 - **Notification Preferences**
 - Allow users to customize notification settings.
-

11. Admin Panel

User Story:

As an admin, I want to manage platform content and users so that the platform remains organized and safe.

Tasks:

- **User Management**
 - View, edit, or deactivate user accounts.
 - **Content Moderation**
 - Review and manage posts, comments, and reports.
 - **Analytics Dashboard**
 - Monitor platform metrics (e.g., active users, reports filed).
-

12. Testing and Deployment

User Story:

As a developer, I want to ensure the application is tested and deployed correctly so that users have a seamless experience.

Tasks:

- **Write Unit Tests**
 - Cover critical functionalities.
 - **Integration Testing**
 - Ensure modules work together as expected.
 - **Continuous Deployment Setup**
 - Automate deployment process using tools like GitHub Actions or Jenkins.
-

13. Documentation

User Story:

As a developer, I want to document the codebase and APIs so that future development is streamlined.

Tasks:

- **Code Documentation**
 - Comment code for clarity.
- **API Documentation**
 - Use tools like Swagger for API endpoints.
- **User Guides**
 - Create guides for users and admins.