

ABSTRACT

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Project Idea: "Pet Portal (PETZY)"

Description:

The Pet Adoption Platform is a web application that connects animal shelters, rescue organizations, and individuals who have pets available for adoption with potential adopters. It provides a centralized platform for users to search and find their perfect companion, while also supporting the mission of promoting animal welfare and reducing pet homelessness.

Features:

Pet Listings and Search:

- Organizations and individuals can create profiles and list pets available for adoption, including details such as breed, age, gender, size, and personality traits.
- Users can search for pets based on criteria such as location, species, breed, and desired traits.
- Filtering options to narrow down search results based on specific preferences.

Detailed Pet Profiles:

- Comprehensive pet profiles displaying photos, descriptions, health information, behaviour assessments, and compatibility with children or other pets.
- Integration with external APIs or services to provide additional data like vaccination history or medical records.

Adoption Process Management:

- Facilities for users to inquire about specific pets and contact the respective shelters or individuals.
- Adoption application forms and processes to streamline the adoption procedure.
- Communication tools to facilitate coordination and scheduling of meet-and-greets or adoption visits.

Pet Matching and Recommendations:

- Algorithmic pet matching based on user preferences, living conditions, and lifestyle factors.
- Personalized recommendations for potential adopters based on previous interactions, saved preferences, or adoption history.

Adoption Success Stories and Community Engagement:

- Showcase success stories of adopted pets and their new families.
- User-contributed content like testimonials, photos, and updates about their adopted pets.
- Social features to encourage community engagement, discussions, and sharing of pet-related advice or resources.

Donation and Support Options:

- Integration with payment gateways to facilitate monetary donations to support animal shelters and rescue organizations.
- Opportunities for users to contribute supplies, volunteer, or offer other forms of support to the organizations.

Modules:

User Role:

1. User Registration and Login
 - Implement user registration with email and password.
 - Set up user login functionality for authentication.
2. Homepage and Pet Listings
 - Design and create the homepage layout using React.js components.
 - Fetch and display a list of available pets for adoption on the homepage.
 - Allow users to view pet details and navigate to individual pet profiles.
3. Pet Search and Filters
 - Add search functionality to allow users to find pets based on location, species, breed, and traits.
 - Implement filtering options to narrow down search results based on specific preferences.

4. Pet Profile and Adoption Inquiry

- Create a detailed pet profile page with photos, descriptions, and health information.
- Implement an adoption inquiry form to allow users to contact shelters or individuals for specific pets.

5. User Profile and Adoption History

- Design and develop a user profile page to display adopted pets and adoption history.
- Enable users to manage their profile information and preferences.

6. Pet Matching and Recommendations

- Develop an algorithm for pet matching based on user preferences and living conditions.
- Display personalized pet recommendations on the user's dashboard.

7. Create Adoption Success Stories Page

- Design and develop a dedicated page to showcase success stories of adopted pets and their new families.
- Allow users to view heartwarming stories with photos and descriptions.

8. User-Contributed Content Submission

- Implement a feature that allows users to submit their adoption success stories, testimonials, photos, and updates about their adopted pets.
- Set up a form or user interface to gather the required information.

9. Social Engagement Features

- Introduce social engagement features, such as commenting and liking, to foster community interaction on adoption success stories.
- Allow users to share stories and content on their social media accounts.

10. Pet-Based Product Recommendations

- Implement a recommendation system that suggests products based on the user's adopted pet's needs and characteristics.

11. Shopping Cart and Order Management

- Create a shopping cart system that enables users to add products to their cart while browsing the platform.
- Allow users to manage and update their cart before proceeding to checkout.

12. Secure Payment Integration

- Integrate a secure payment gateway to facilitate seamless and safe transactions for product purchases.
- Implement encryption and other security measures to protect user payment information.

Shelter User Role:

1. Shelter User Registration and Login

- Implement shelter user registration with email and password.
- Set up shelter user login functionality for authentication.

2. Shelter Profile and Pet Management

- Create a profile page for shelters to manage their information and contact details.
- Develop functionalities to add, update, and delete pet listings from the shelter's profile.

3. Adoption Application Handling

- Implement a system for shelters to receive and manage adoption inquiries from users.
- Create a dashboard for shelters to track and respond to adoption applications.

4. Adoption Success Stories

- Enable shelters to add success stories of adopted pets and their new families.
- Provide a section to showcase these stories on the shelter's profile page.

5. Adoption Success Stories Management

- Create a section in the shelter's profile/dashboard where shelters can add and manage adoption success stories of pets they helped find homes.
- Allow shelters to upload photos, descriptions, and updates about the pets after adoption.

6. Community Interaction Promotion

- Introduce features to encourage community engagement and discussions on the shelter's profile.
- Allow users to comment on and share the shelter's success stories and pet-related updates.

7. Order and Payment Tracking

- Set up a dashboard to monitor and track all product orders and payments made on the platform.
- Ensure transparency and accuracy in financial transactions.

Admin User Role:

1. Admin Dashboard and User Management

- Create an admin dashboard for managing the application's overall settings and data.
- Implement functionalities to manage user accounts, including user roles and permissions.

2. Content Management System (CMS)

- Develop a CMS for admins to manage and moderate user-contributed content like testimonials and photos.

3. Adoption Process Monitoring

- Provide admin access to monitor and oversee the adoption process, ensuring smooth operations.

4. Donation and Support Management

- Implement a system for admins to track and manage monetary donations and other forms of support to organizations.

5. Security and Data Privacy

- Admins should have access to manage security settings and user data privacy.