

Introduction

PetConnect is a complete pet adoption, daycare, and shelter management ecosystem that connects users, pet shelters, and administrators in one platform. Users can browse shelters, view pets, check compatibility, apply for adoption, book daycare services, make payments, and manage their dashboard. Shelters can register as businesses, manage pets, bookings, daycare operations, and track earnings. Admins oversee user accounts, shelters, pet listings, payments, and overall system activity. The platform includes advanced features like AI-based pet–user compatibility scoring, a full adoption workflow, in-app notifications, and integrated payments—making it a comprehensive solution for modern pet care and adoption management.

Features

A. USER FEATURES

- a. User Authentication
 - Users sign up/login using phone number
 - OTP verification
- b. Pet Listings (Shelter → Pets Structure)
 - i. Shelter List View
 - List of all shelters
 - Distance from user
 - Location filter
 - ii. Shelter Detail Page
 - Shelter info
 - Address
 - Contact details
 - Adoption policies
 - Pets available in this shelter
 - iii. Pet List inside Shelter
 - Photos

- Name, breed, age
 - Availability status
 - Filters (breed, age, gender, vaccination)
- iv. Pet Detail Page
- Full profile
 - Medical info
 - Personality
 - Photos/videos
 - Apply to adopt
 - Contact shelter
- c. Pet Adoption Process
- Fill adoption form
 - Submit application
 - Adoption status:
 - Pending
 - In Review
 - Approved / Rejected
 - Adoption history
- d. Pet Compatibility System
- AI reads pet personality + user lifestyle
 - Shows a compatibility score (%)
 - Explains: "*This pet suits you because you prefer calm pets and live in an apartment.*"
- e. Pet Daycare Booking
- View daycare centers
 - Select package (half-day/full day)
 - See capacity
 - Book date
 - Payment
 - Booking history
- f. Payments

- Khalti
- Card/Wallet
- Payment receipt
- Transaction history

g. User Dashboard

- My adopted pets
- My bookings (parlor, daycare)
- My adoption applications
- My favorite pets
- Recommendations
- Profile settings

B. BUSINESS / SHELTER FEATURES

a. Business Authentication

- Register as business
- Submit documents
- Await admin approval

b. Business Dashboard

- Overview stats
- Manage pets
- Manage bookings
- Manage daycare
- Earning reports

c. Pet Management (Shelter side)

- Add pets
- Edit pet details
- Change status (Available/Adopted/Reserved)
- Upload photos & medical files

d. Daycare Management

- Set capacity
- View bookings

- Approve/Decline
 - Check-in / Check-out
 - Add notes for user
- e. Business Payment Panel
- Payment history
 - Withdraw earnings (optional)
 - Download reports

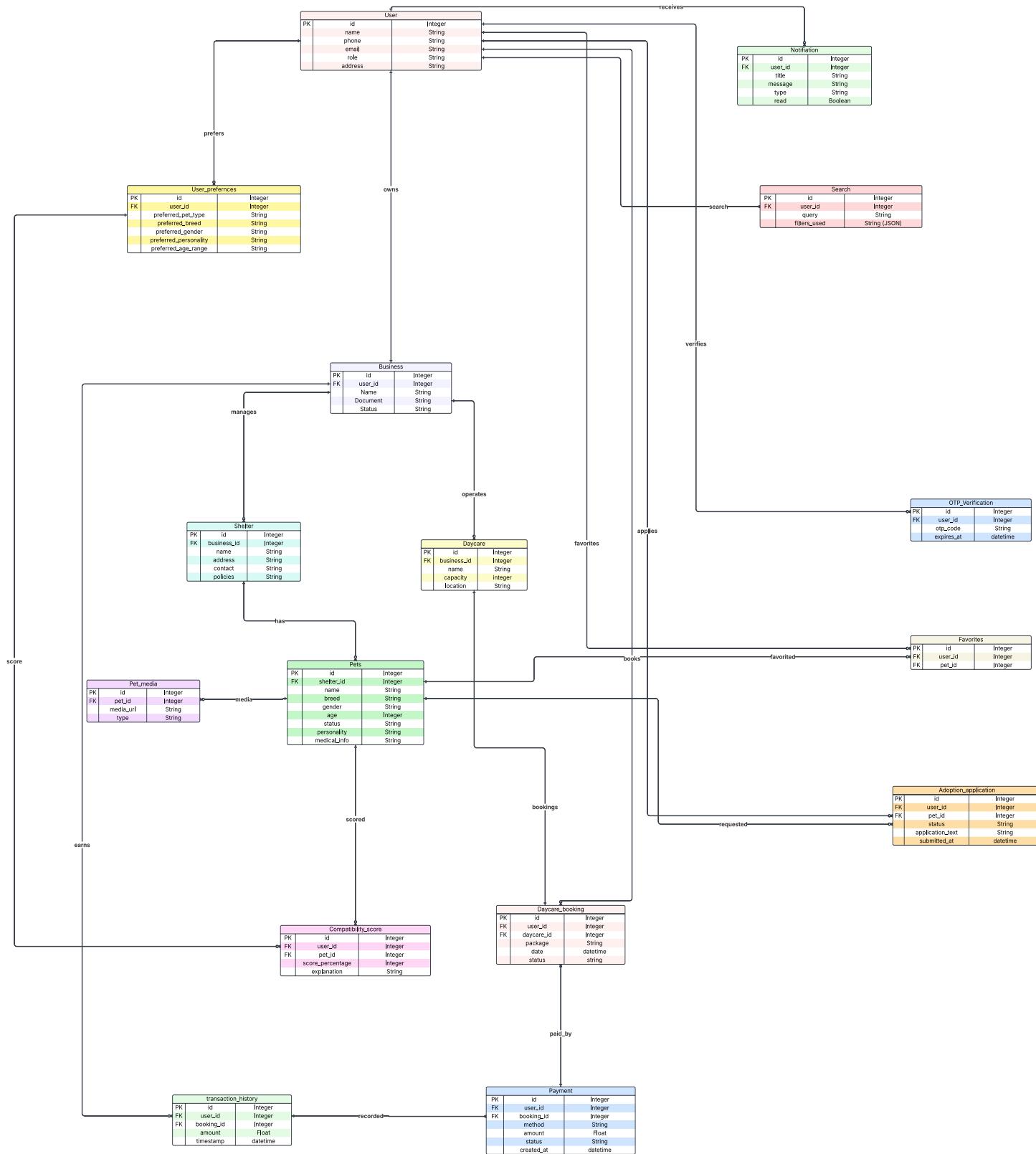
C. Admin Features

- a. Admin Dashboard
 - Total users
 - Total shelters/businesses
 - Total pets
 - Total bookings
 - Total transactions
- b. User Management
 - View users
 - Delete account
- c. Business Management
 - Approve/reject business registration
 - Verify documents
 - Manage shelter listings
- d. Pet Management
 - View all pets
 - Remove inappropriate listings
- e. Payment & Transaction Monitoring
 - View all payments
 - Manage disputes

D. System-wise Features

- a. Notification System
 - Booking updates
 - Adoption updates
 - Business approval
 - New pets available
 - Alerts/reminders
- b. Search
 - Search by shelter
 - Search by pet

Entity-Relationship Diagram



Time Estimation

PetConnect - Time Estimation Set status

Overview List Board Timeline Dashboard +

+ Add task Filter Sort Group Options Save view

Name	Task Type	Assigned To	Estimated ...	+
Project Setup - 1 Day				
Initialize Flutter Repository and setup Database				
Initialize Backend Repository	Frontend	Sneha Adhikari	1 Day	
User Authentication - 3 Days				
Design Login/Signup Screen with phone number input.	Frontend	Sneha Adhikari		
Implement OTP Generation & Verification UI.	Frontend	Sneha Adhikari		
Create Post-OTP User Details Form (Name, DOB, Email, etc.).	Frontend	Sneha Adhikari		
Connect UI with Backend/Database for storing user data.	Frontend	Sneha Adhikari	3 Days	
Implement phone number registration/login API.	Backend	Rushka Khanal		
Implement OTP generation, sending, and verification API.	Backend	Rushka Khanal		
Create API for storing/updating user details after OTP verification.	Backend	Rushka Khanal		
Integrate database schema for users (phone number, OTP, profile info).	Backend	Rushka Khanal	3 Days	
Pet Listings - 12 Days				
Shelter List View 7 ↴				
Design shelter list layout.	Frontend	Sneha Adhikari		
Display distance from user.	Frontend	Sneha Adhikari		
Implement location filter UI.	Frontend	Sneha Adhikari		
Integrate with backend API for shelter data.	Frontend	Sneha Adhikari	4 Days	
Create API to fetch all shelters.	Backend	Rushka Khanal		
Calculate distance from user location.	Backend	Rushka Khanal		
Implement location-based filtering.	Backend	Rushka Khanal	4 Days	
Shelter Detail Page 6 ↴				
Display shelter info, address, contact details.	Frontend	Sneha Adhikari		
Show adoption policies.	Frontend	Sneha Adhikari		
List pets available in the shelter.	Frontend	Sneha Adhikari		
Integrate with backend API for shelter details.	Frontend	Sneha Adhikari	2.5 Days	
Set up API to fetch shelter info	Backend	Rushka Khanal		
Fetch list of pets associated with the shelter.	Backend	Rushka Khanal	2.5 Days	
Pet List inside Shelter 5 ↴				
Display pet photos, name, breed, age, availability status.	Frontend	Sneha Adhikari		
Implement filters (breed, age, gender, vaccination).	Frontend	Sneha Adhikari		
Integrate with backend API for pet list.	Frontend	Sneha Adhikari	3 Days	
Create API to fetch pets for a shelter.	Backend	Rushka Khanal		
Implement filtering options	Backend	Rushka Khanal	3 Days	
Pet Detail Page 7 ↴				
Display full pet profile, medical info, personality.	Frontend	Sneha Adhikari		
Show photos	Frontend	Sneha Adhikari		
Implement adoption form and contact shelter button.	Frontend	Sneha Adhikari		
Integrate with backend API for pet details & adoption submission	Frontend	Sneha Adhikari	2.5 Days	
Create API to fetch full pet details	Backend	Rushka Khanal		
Handle adoption form submission	Backend	Rushka Khanal		
Provide shelter contact information	Backend	Rushka Khanal	2.5 Days	

Project Plan: Pet Adoption & Business Management System					
Module		Task Description		Assigned To	
Pet Adoption Process - 3 Days		✓ Implement adoption form UI	Frontend	Sneha Adhikari	
Pet Adoption Process - 3 Days		✓ Submit Adoption application functionality	Frontend	Sneha Adhikari	
Pet Adoption Process - 3 Days		✓ Show Adoption status	Frontend	Sneha Adhikari	
Pet Adoption Process - 3 Days		✓ Display Adoption History	Frontend	Sneha Adhikari	
Pet Adoption Process - 3 Days		✓ Integrate with backend API for adoption data	Frontend	Sneha Adhikari	3 Days
Pet Adoption Process - 3 Days		✓ Create API to submit to adoption applications	Backend	Rushka Khanal	
Pet Adoption Process - 3 Days		✓ Track adoption status	Backend	Rushka Khanal	
Pet Adoption Process - 3 Days		✓ Provide adoption history endpoints	Backend	Rushka Khanal	3 Days
Pet Compatibility System - 5 Days					
Pet Compatibility System - 5 Days		✓ Display AI-generated compatibility score and explanation.	Frontend	Sneha Adhikari	
Pet Compatibility System - 5 Days		✓ Show matched pet suggestions based on user preferences	Frontend	Sneha Adhikari	
Pet Compatibility System - 5 Days		✓ Integrate with backend API for AI compatibility results.	Frontend	Sneha Adhikari	5 days
Pet Compatibility System - 5 Days		✓ Integrate AI model or algorithm to analyze user lifestyle and pet personality.	Backend	Rushka Khanal	
Pet Compatibility System - 5 Days		✓ Process input data (user preferences, pet attributes) for AI inference.	Backend	Rushka Khanal	
Pet Compatibility System - 5 Days		✓ Calculate compatibility score (%) and generate explanation text.	Backend	Rushka Khanal	5 Days
Pet Daycare Booking - 2 Days					
Pet Daycare Booking - 2 Days		✓ Display daycare centers and packages	Frontend	Sneha Adhikari	
Pet Daycare Booking - 2 Days		✓ Show capacity, booking data selection & payment option	Frontend	Sneha Adhikari	
Pet Daycare Booking - 2 Days		✓ Show booking history	Frontend	Sneha Adhikari	
Pet Daycare Booking - 2 Days		✓ Integrate with backend API for daycare booking & payment	Frontend	Sneha Adhikari	2 Days
Pet Daycare Booking - 2 Days		✓ Create API to fetch daycare centers and packages	Backend	Rushka Khanal	
Pet Daycare Booking - 2 Days		✓ Handle booking creation, capacity checks and payments	Backend	Rushka Khanal	
Pet Daycare Booking - 2 Days		✓ Provide booking history endpoints	Backend	Rushka Khanal	2 Days
Payment - 3 Days					
Payment - 3 Days		✓ Implement payment methods (Khalti).	Frontend	Sneha Adhikari	
Payment - 3 Days		✓ Display payment receipt & transaction history	Frontend	Sneha Adhikari	
Payment - 3 Days		✓ Integrate with backend payment API	Frontend	Sneha Adhikari	3 Days
Payment - 3 Days		✓ Handle payment transactions via payment gateway	Backend	Rushka Khanal	
Payment - 3 Days		✓ Track transaction history	Backend	Rushka Khanal	
Payment - 3 Days		✓ Provide endpoints for receipt and status	Backend	Rushka Khanal	3 Days
User Dashboard - 2 Days					
User Dashboard - 2 Days		✓ Display adopted pets, bookings (parlor/daycare), and adoption applications	Frontend	Sneha Adhikari	
User Dashboard - 2 Days		✓ Show favorite pets.	Frontend	Sneha Adhikari	
User Dashboard - 2 Days		✓ Provide profile settings interface.	Frontend	Sneha Adhikari	2 Days
User Dashboard - 2 Days		✓ Integrate with backend APIs for all user data.	Frontend	Sneha Adhikari	
User Dashboard - 2 Days		✓ Create API to fetch adopted pets, bookings, applications, and favorites.	Backend	Rushka Khanal	
User Dashboard - 2 Days		✓ Provide profile settings CRUD APIs.	Backend	Rushka Khanal	2 Days
Business Authentication - 2 Days					
Business Authentication - 2 Days		✓ Implement business registration form.	Frontend	Sneha Adhikari	
Business Authentication - 2 Days		✓ Allow document uploads.	Frontend	Sneha Adhikari	
Business Authentication - 2 Days		✓ Display admin approval status.	Frontend	Sneha Adhikari	
Business Authentication - 2 Days		✓ Integrate with backend authentication API.	Frontend	Sneha Adhikari	2 Days
Business Authentication - 2 Days		✓ Create API for business registration.	Backend	Rushka Khanal	
Business Authentication - 2 Days		✓ Handle document uploads and storage.	Backend	Rushka Khanal	
Business Authentication - 2 Days		✓ Manage approval workflow.	Backend	Rushka Khanal	
Business Authentication - 2 Days		✓ Integrate with frontend UI.	Backend	Rushka Khanal	2 Days
Business Dashboard - 2 Days					
Business Dashboard - 2 Days		✓ Display overview stats, manage pets, bookings, and daycare.	Frontend	Sneha Adhikari	
Business Dashboard - 2 Days		✓ Show earning reports.	Frontend	Sneha Adhikari	
Business Dashboard - 2 Days		✓ Integrate with backend API for dynamic data.	Frontend	Sneha Adhikari	2 Days
Business Dashboard - 2 Days		✓ Create API to provide stats, bookings, pets, and daycare data.	Backend	Rushka Khanal	
Business Dashboard - 2 Days		✓ Generate earning reports.	Backend	Rushka Khanal	2 Days

▼ Pet Management (Shelter Side) - 2 Days

<input checked="" type="checkbox"/> Add/edit pet details.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Change status (Available/Adopted/Reserved).	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Upload photos and medical files.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Integrate with backend API for CRUD operations.	Frontend	Sneha Adhikari	2 Days	
<input checked="" type="checkbox"/> Create CRUD API for pets.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Handle status changes and file uploads.	Backend	Rushka Khanal	2 days	

▼ Daycare Management - 2 Days

<input checked="" type="checkbox"/> Set capacity and view bookings.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Approve/Decline bookings, check-in/check-out.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Add notes for users.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Integrate with backend API.	Frontend	Sneha Adhikari	2 Days	
<input checked="" type="checkbox"/> Create API to manage daycare operations and bookings.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Handle check-in/check-out.	Backend	Rushka Khanal	2 Days	

▼ Business Payment Panel - 2 Days

<input checked="" type="checkbox"/> Show payment history.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Withdraw earnings (optional).	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Download reports.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Integrate with backend API.	Frontend	Sneha Adhikari	2 Days	
<input checked="" type="checkbox"/> Create API to fetch payment history and generate reports.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Handle withdrawals.	Backend	Rushka Khanal	2 Days	

▼ Admin Dashboard - 4 Days

<input checked="" type="checkbox"/> Display total users, shelters/businesses, pets, bookings, transactions.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Approve/reject business registration.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Verify documents and manage shelter listings.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> View all pets and remove inappropriate listings.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> View all payments and manage disputes.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Integrate with backend API.	Frontend	Sneha Adhikari	4 Days	
<input checked="" type="checkbox"/> Create API to fetch aggregated system stats.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Create API for business approval/rejection.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Manage document verification and shelter listings.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Create API for all pet listings.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Handle removal of inappropriate pets.	Backend	Rushka Khanal		

▼ System-Wide Features - 3 Days

<input checked="" type="checkbox"/> Display booking, adoption, business approval, new pet alerts.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Show alerts/reminders.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Search by shelter or pet.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Display results with filters.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Integrate with backend notification API.	Frontend	Sneha Adhikari		
<input checked="" type="checkbox"/> Integrate with backend search API.	Frontend	Sneha Adhikari	3 Days	
<input checked="" type="checkbox"/> Create API to send notifications (booking, adoption, approvals, new pets).	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Manage alerts and reminders.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Create API to search shelters and pets.	Backend	Rushka Khanal		
<input checked="" type="checkbox"/> Implement filtering and optimized queries.	Backend	Rushka Khanal	3 Days	

Overall Project Testing - 3 Days

<input checked="" type="checkbox"/> Test all screens (login/signup, dashboards, listings, adoption forms, payment).	Testing	Sabina Ghising		
<input checked="" type="checkbox"/> Validate inputs, navigation flows, responsiveness, and error messages.	Testing	Sabina Ghising		
<input checked="" type="checkbox"/> Test CRUD APIs (users, pets, shelters, bookings, payments).	Testing	Sabina Ghising		
<input checked="" type="checkbox"/> Validate authentication, adoption workflows, AI endpoints, and data integrity.	Testing	Sabina Ghising		
<input checked="" type="checkbox"/> Test end-to-end workflows (login → adoption → payment → dashboard).	Testing	Sabina Ghising		
<input checked="" type="checkbox"/> Ensure API responses display correctly in UI.	Testing	Sabina Ghising		
<input checked="" type="checkbox"/> Verify notifications and AI recommendations function properly.	Testing	Sabina Ghising		
<input checked="" type="checkbox"/> Validate AI compatibility scoring and recommendations.	Testing	Sabina Ghising		
<input checked="" type="checkbox"/> Test input processing, output correctness, and explanation text.	Testing	Sabina Ghising	3 Days	

- Total Estimated Days = 51 Days

Time Scheduling

PetConnect - Time Scheduling

Overview List Board Timeline Dashboard +

SG ad ... Share Customize

+ Add task

Name Task Type Start Date End Date +

Project Setup - 1 Day

<input checked="" type="checkbox"/> Initialize Flutter Repository	Frontend	10 Dec, 2025	10 Dec, 2025	
<input checked="" type="checkbox"/> Initialize Backend Repository	Backend	10 Dec, 2025	10 Dec, 2025	

Add task...

User Authentication - 3 Days

<input checked="" type="checkbox"/> Design Login/Signup Screen with phone number input.	Frontend	11 Dec, 2025	11 Dec, 2025	
<input checked="" type="checkbox"/> Implement OTP Generation & Verification UI.	Frontend	11 Dec, 2025	11 Dec, 2025	
<input checked="" type="checkbox"/> Create Post-OTP User Details Form (Name, DOB, Email, etc.).	Frontend	12 Dec, 2025	12 Dec, 2025	
<input checked="" type="checkbox"/> Connect UI with Backend/Database for storing user data.	Frontend	13 Dec, 2025	13 Dec, 2025	
<input checked="" type="checkbox"/> Implement phone number registration/login API.	Backend	11 Dec, 2025	11 Dec, 2025	
<input checked="" type="checkbox"/> Implement OTP generation, sending, and verification API.	Backend	11 Dec, 2025	11 Dec, 2025	
<input checked="" type="checkbox"/> Create API for storing/updating user details after OTP verification.	Backend	12 Dec, 2025	12 Dec, 2025	
<input checked="" type="checkbox"/> Integrate database schema for users (phone number, OTP, profile info).	Backend	13 Dec, 2025	13 Dec, 2025	

Business Authentication - 2 Days

<input checked="" type="checkbox"/> Implement business registration form.	Frontend	14 Dec, 2025	14 Dec, 2025	
<input checked="" type="checkbox"/> Allow document uploads.	Frontend	14 Dec, 2025	14 Dec, 2025	
<input checked="" type="checkbox"/> Display admin approval status.	Frontend	15 Dec, 2025	15 Dec, 2025	
<input checked="" type="checkbox"/> Integrate with backend authentication API.	Frontend	15 Dec, 2025	15 Dec, 2025	
<input checked="" type="checkbox"/> Create API for business registration.	Backend	14 Dec, 2025	14 Dec, 2025	
<input checked="" type="checkbox"/> Handle document uploads and storage.	Backend	14 Dec, 2025	15 Dec, 2025	
<input checked="" type="checkbox"/> Manage approval workflow.	Backend	15 Dec, 2025	15 Dec, 2025	

Add task...

Pet Management (Shelter Side) - 2 Days

<input checked="" type="checkbox"/> Add/edit pet details.	Frontend	16 Dec, 2025	16 Dec, 2025	
<input checked="" type="checkbox"/> Change status (Available/Adopted/Reserved).	Frontend	16 Dec, 2025	16 Dec, 2025	
<input checked="" type="checkbox"/> Upload photos and medical files.	Frontend	17 Dec, 2025	17 Dec, 2025	
<input checked="" type="checkbox"/> Integrate with backend API for CRUD operations.	Frontend	17 Dec, 2025	17 Dec, 2025	
<input checked="" type="checkbox"/> Create CRUD API for pets.	Backend	16 Dec, 2025	16 Dec, 2025	
<input checked="" type="checkbox"/> Handle status changes and file uploads.	Backend	17 Dec, 2025	17 Dec, 2025	

Name	Task Type	Start Date	End Date	+
▼ Daycare Management - 2 Days				
✓ Set capacity and view bookings.	Frontend	18 Dec, 2025	18 Dec, 2025	
✓ Approve/Decline bookings, check-in/check-out.	Frontend	18 Dec, 2025	18 Dec, 2025	
✓ Add notes for users.	Frontend	19 Dec, 2025	19 Dec, 2025	
✓ Integrate with backend API.	Frontend	19 Dec, 2025	19 Dec, 2025	
✓ Create API to manage daycare operations and bookings.	Backend	18 Dec, 2025	18 Dec, 2025	
✓ Handle check-in/check-out.	Backend	19 Dec, 2025	19 Dec, 2025	
Add task...				
▼ Pet Listings - 12 Days				
▼ ✓ Shelter List View 7 ↴				
✓ Design shelter list layout.	Frontend	20 Dec, 2025	20 Dec, 2025	
✓ Display distance from user.	Frontend	21 Dec, 2025	21 Dec, 2025	
✓ Implement location filter UI.	Frontend	22 Dec, 2025	22 Dec, 2025	
✓ Integrate with backend API for shelter data.	Frontend	23 Dec, 2025	23 Dec, 2025	
✓ Create API to fetch all shelters.	Backend	20 Dec, 2025	20 Dec, 2025	
✓ Calculate distance from user location.	Backend	21 Dec, 2025	22 Dec, 2025	
Name Task Type Start Date End Date +				
✓ Implement location-based filtering.	Backend	23 Dec, 2025	23 Dec, 2025	
Add subtask...				
▼ ✓ Shelter Detail Page 6 ↴				
✓ Display shelter info, address, contact details.	Frontend	24 Dec, 2025	24 Dec, 2025	
✓ Show adoption policies.	Frontend	24 Dec, 2025	25 Dec, 2025	
✓ List pets available in the shelter.	Frontend	25 Dec, 2025	25 Dec, 2025	
✓ Integrate with backend API for shelter details.	Frontend	26 Dec, 2025	26 Dec, 2025	
✓ Set up API to fetch shelter info	Backend	24 Dec, 2025	25 Dec, 2025	
✓ Fetch list of pets associated with the shelter.	Backend	26 Dec, 2025	26 Dec, 2025	
Add subtask...				
▼ ✓ Pet List inside Shelter 5 ↴				
✓ Display pet photos, name, breed, age, availability status.	Frontend	27 Dec, 2025	27 Dec, 2025	
✓ Implement filters (breed, age, gender, vaccination).	Frontend	28 Dec, 2025	28 Dec, 2025	
✓ Integrate with backend API for pet list.	Frontend	29 Dec, 2025	29 Dec, 2025	
✓ Create API to fetch pets for a shelter.	Backend	27 Dec, 2025	27 Dec, 2025	
✓ Implement filtering options	Backend	28 Dec, 2025	29 Dec, 2025	
Name Task Type Start Date End Date +				
Add subtask...				
▼ ✓ Pet Detail Page 7 ↴				
✓ Display full pet profile, medical info, personality.	Frontend	30 Dec, 2025	30 Dec, 2025	
✓ Show photos	Frontend	30 Dec, 2025	30 Dec, 2025	
✓ Implement adoption form and contact shelter button.	Frontend	31 Dec, 2025	31 Dec, 2025	
✓ Integrate with backend API for pet details & adoption submission	Frontend	2nd Jan, 2026	2nd Jan, 2026	
✓ Create API to fetch full pet details	Backend	30 Dec, 2025	30 Dec, 2025	
✓ Handle adoption form submission	Backend	31 Dec, 2025	31 Dec, 2025	
✓ Provide shelter contact information	Backend	2nd Jan, 2026	2nd Jan, 2026	
Add subtask...				
Add task...				
▼ Pet Adoption Process - 3 Days				
✓ Implement adoption form UI	Frontend	3rd Jan, 2026	3rd Jan, 2026	
✓ Submit Adoption application functionality	Frontend	3rd Jan, 2026	3rd Jan, 2026	
✓ Show Adoption status	Frontend	4th Jan, 2026	4th Jan, 2026	
✓ Display Adoption History	Frontend	4th Jan, 2026	5th Jan, 2026	
✓ Integrate with backend API for adoption data	Frontend	5th Jan, 2026	5th Jan, 2026	

Name	Task Type	Start Date	End Date	+
<input checked="" type="checkbox"/> Create API to submit to adoption applications	Backend	3rd Jan, 2026	3rd Jan, 2026	
<input checked="" type="checkbox"/> Track adoption status	Backend	4th Jan, 2026	4th Jan, 2026	
<input checked="" type="checkbox"/> Provide adoption history endpoints	Backend	5th Jan, 2026	5th Jan, 2026	
Add task...				
▼ Pet Compatibility System - 5 Days				
<input checked="" type="checkbox"/> Display AI-generated compatibility score and explanation.	Frontend	6th Jan, 2026	6th Jan, 2026	
<input checked="" type="checkbox"/> Show matched pet suggestions based on user preferences	Frontend	7th Jan, 2026	7th Jan, 2026	
<input checked="" type="checkbox"/> Integrate with backend API for AI compatibility results.	Frontend	8th Jan, 2026	10th Jan, 2026	
<input checked="" type="checkbox"/> Integrate AI model or algorithm to analyze user lifestyle and pet personality.	Backend	6th Jan, 2026	7th Jan, 2026	
<input checked="" type="checkbox"/> Process input data (user preferences, pet attributes) for AI inference.	Backend	8th Jan, 2026	8th Jan, 2026	
<input checked="" type="checkbox"/> Calculate compatibility score (%) and generate explanation text.	Backend	9th Jan, 2026	10th Jan, 2026	
Add task...				
▼ Pet Daycare Booking - 2 Days				
<input checked="" type="checkbox"/> Display daycare centers and packages	Frontend	11th Jan, 2026	11th Jan, 2026	
<input checked="" type="checkbox"/> Show capacity, booking data selection & payment option	Frontend	11th Jan, 2026	11th Jan, 2026	
<input checked="" type="checkbox"/> Show booking history	Frontend	12th Jan, 2026	12th Jan, 2026	
Name	Task Type	Start Date	End Date	+
<input checked="" type="checkbox"/> Integrate with backend API for daycare booking & payment	Frontend	12th Jan, 2026	12th Jan, 2026	
<input checked="" type="checkbox"/> Create API to fetch daycare centers and packages	Backend	11th Jan, 2026	11th Jan, 2026	
<input checked="" type="checkbox"/> Handle booking creation, capacity checks and payments	Backend	12th Jan, 2026	12th Jan, 2026	
<input checked="" type="checkbox"/> Provide booking history endpoints	Backend	12th Jan, 2026	12th Jan, 2026	
Add task...				
▼ Payment - 3 Days				
<input checked="" type="checkbox"/> Implement payment methods (Khalti).	Frontend	13th Jan, 2026	13th Jan, 2026	
<input checked="" type="checkbox"/> Display payment receipt & transaction history	Frontend	14th Jan, 2026	14th Jan, 2026	
<input checked="" type="checkbox"/> Integrate with backend payment API	Frontend	15th Jan, 2026	15th Jan, 2026	
<input checked="" type="checkbox"/> Handle payment transactions via payment gateway	Backend	13th Jan, 2026	13th Jan, 2026	
<input checked="" type="checkbox"/> Track transaction history	Backend	14th Jan, 2026	14th Jan, 2026	
<input checked="" type="checkbox"/> Provide endpoints for receipt and status	Backend	15th Jan, 2026	15th Jan, 2026	
▼ User Dashboard - 2 Days				
<input checked="" type="checkbox"/> Display adopted pets, bookings (parlor/daycare), and adoption applications	Frontend	16th Jan, 2026	16th Jan, 2026	
<input checked="" type="checkbox"/> Show favorite pets.	Frontend	16th Jan, 2026	16th Jan, 2026	
<input checked="" type="checkbox"/> Provide profile settings interface.	Frontend	17th Jan, 2026	17th Jan, 2026	
<input checked="" type="checkbox"/> Integrate with backend APIs for all user data.	Frontend	17th Jan, 2026	17th Jan, 2026	
<input checked="" type="checkbox"/> Create API to fetch adopted pets, bookings, applications, and favorites.	Backend	16th Jan, 2026	16th Jan, 2026	
<input checked="" type="checkbox"/> Provide profile settings CRUD APIs.	Backend	17th Jan, 2026	17th Jan, 2026	
Add task...				
▼ Business Dashboard - 2 Days				
<input checked="" type="checkbox"/> Display overview stats, manage pets, bookings, and daycare.	Frontend	18th Jan, 2026	18th Jan, 2026	
<input checked="" type="checkbox"/> Show earning reports.	Frontend	18th Jan, 2026	18th Jan, 2026	
<input checked="" type="checkbox"/> Integrate with backend API for dynamic data.	Frontend	19th Jan, 2026	19th Jan, 2026	
<input checked="" type="checkbox"/> Create API to provide stats, bookings, pets, and daycare data.	Backend	18th Jan, 2026	18th Jan, 2026	
<input checked="" type="checkbox"/> Generate earning reports.	Backend	19th Jan, 2026	19th Jan, 2026	
▼ Business Payment Panel - 2 Days				
<input checked="" type="checkbox"/> Show payment history.	Frontend	20th Jan, 2026	20th Jan, 2026	
<input checked="" type="checkbox"/> Withdraw earnings (optional).	Frontend	20th Jan, 2026	20th Jan, 2026	
<input checked="" type="checkbox"/> Download reports.	Frontend	21st Jan, 2026	21st Jan, 2026	
<input checked="" type="checkbox"/> Integrate with backend API.	Frontend	21st Jan, 2026	21st Jan, 2026	
<input checked="" type="checkbox"/> Create API to fetch payment history and generate reports.	Backend	20th Jan, 2026	20th Jan, 2026	
<input checked="" type="checkbox"/> Handle withdrawals.	Backend	21st Jan, 2026	21st Jan, 2026	

▼ Admin Dashboard - 4 Days

<input checked="" type="checkbox"/> Display total users, shelters/businesses, pets, bookings, transactions.	Frontend	22nd Jan, 2026	23rd Jan, 2026	
<input checked="" type="checkbox"/> Approve/reject business registration.	Frontend	24th Jan, 2026	24th Jan, 2026	
<input checked="" type="checkbox"/> View all pets and remove inappropriate listings.	Frontend	24th Jan, 2026	24th Jan, 2026	
<input checked="" type="checkbox"/> View all payments and manage disputes.	Frontend	25th Jan, 2026	25th Jan, 2026	
<input checked="" type="checkbox"/> Integrate with backend API.	Frontend	25th Jan, 2026	25th Jan, 2026	
<input checked="" type="checkbox"/> Create API to fetch aggregated system stats.	Backend	22nd Jan, 2026	22nd Jan, 2026	
<input checked="" type="checkbox"/> Create API for business approval/rejection.	Backend	23rd Jan, 2026	23rd Jan, 2026	
<input checked="" type="checkbox"/> Manage document verification and shelter listings.	Backend	23rd Jan, 2026	24th Jan, 2026	
<input checked="" type="checkbox"/> Create API for all pet listings.	Backend	24th Jan, 2026	24th Jan, 2026	
<input checked="" type="checkbox"/> Handle removal of inappropriate pets.	Backend	25th Jan, 2026	25th Jan, 2026	
<input checked="" type="checkbox"/> Create API to fetch transactions and handle disputes.	Backend	25th Jan, 2026	25th Jan, 2026	

▼ System-Wide Features - 3 Days

<input checked="" type="checkbox"/> Display booking, adoption, business approval, new pet alerts.	Frontend	26th Jan, 2026	26th Jan, 2026	
<input checked="" type="checkbox"/> Show alerts/reminders.	Frontend	26th Jan, 2026	26th Jan, 2026	
<input checked="" type="checkbox"/> Search by shelter or pet.	Frontend	27th Jan, 2026	27th Jan, 2026	
<input checked="" type="checkbox"/> Display results with filters.	Frontend	27th Jan, 2026	27th Jan, 2026	
<input checked="" type="checkbox"/> Integrate with backend notification API.	Frontend	28th Jan, 2026	28th Jan, 2026	
<input checked="" type="checkbox"/> Integrate with backend search API.	Frontend	28th Jan, 2026	28th Jan, 2026	
<input checked="" type="checkbox"/> Create API to send notifications (booking, adoption, approvals, new pets).	Backend	26th Jan, 2026	26th Jan, 2026	
<input checked="" type="checkbox"/> Manage alerts and reminders.	Backend	27th Jan, 2026	27th Jan, 2026	
<input checked="" type="checkbox"/> Create API to search shelters and pets.	Backend	27th Jan, 2026	28th Jan, 2026	
<input checked="" type="checkbox"/> Implement filtering and optimized queries.	Backend	28th Jan, 2026	28th Jan, 2026	

▼ Overall Project Testing - 3 Days

<input checked="" type="checkbox"/> Test all screens (login/signup, dashboards, listings, adoption forms, payment).	Testing	29th Jan, 2026	29th Jan, 2026	
<input checked="" type="checkbox"/> Validate inputs, navigation flows, responsiveness, and error messages.	Testing	29th Jan, 2026	29th Jan, 2026	
<input checked="" type="checkbox"/> Test CRUD APIs (users, pets, shelters, bookings, payments).	Testing	29th Jan, 2026	29th Jan, 2026	
<input checked="" type="checkbox"/> Validate authentication, adoption workflows, AI endpoints, and data integrity.	Testing	30th Jan, 2026	30th Jan, 2026	
<input checked="" type="checkbox"/> Test end-to-end workflows (login → adoption → payment → dashboard).	Testing	30th Jan, 2026	30th Jan, 2026	
<input checked="" type="checkbox"/> Ensure API responses display correctly in UI.	Testing	30th Jan, 2026	30th Jan, 2026	
<input checked="" type="checkbox"/> Verify notifications and AI recommendations function properly.	Testing	31st Jan, 2026	31st Jan, 2026	
<input checked="" type="checkbox"/> Validate AI compatibility scoring and recommendations.	Testing	31st Jan, 2026	31st Jan, 2026	
<input checked="" type="checkbox"/> Test input processing, output correctness, and explanation text.	Testing	31st Jan, 2026	31st Jan, 2026	

- Start Date = 10th Dec, 2025
- End Date = 31st Jan, 2026