

App Cost Calculator

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Project Estimate

Project: Pawfect Care

Pawfect Care

Version 1.0

Date: 2026-02-09

1. User Management & Authentication

Items:

- User Registration & Email Verification - Secure registration flow with email confirmation
- Login & Password Management - Encrypted authentication, password reset via email
- Session Management - Automatic timeout, secure session handling
- Role-Based Access Control - Admin, Shelter Staff, Medical role permissions

Section Total: 18.0 - 23.5 hours | \$3,600 - \$4,700

2. Animal Intake & Registration

Items:

- Animal Profile Creation - Species, breed, age, gender, identifying features
- Photo Capture & Storage - Device camera integration, image optimization
- Intake Documentation - Source tracking, condition assessment, date recording
- Profile Management Interface - CRUD operations for animal records

Section Total: 24.0 - 31.5 hours | \$4,800 - \$6,300

3. Adoption Management

Items:

- Adopter Information System - Contact details, emergency contacts, profile management
- Digital Adoption Application - Form builder, approval workflow

- Adoption History Tracking - Complete records for animals and adopters
- Post-Adoption Follow-up - Scheduling and tracking check-ins

Section Total: 28.0 - 36.5 hours | \$5,600 - \$7,300

4. Medical Management

Items:

- Medical History Records - Vaccinations, treatments, surgeries, test results
- Medication Tracking - Current/past medications, dosages, schedules
- Veterinary Appointment System - Scheduling, documentation, reminders
- Medical Alerts & Notifications - Prominent condition alerts, treatment reminders

Section Total: 32.0 - 41.5 hours | \$6,400 - \$8,300

5. Dietary & Well-being Management

Items:

- Dietary Requirements Tracking - Food types, portions, feeding schedules
- Allergy & Intolerance Records - Comprehensive allergy management
- Exercise & Activity Logging - Daily activities, duration tracking
- Behavioral Assessment Tools - Temperament, socialization, enrichment tracking

Section Total: 26.0 - 34.0 hours | \$5,200 - \$6,800

6. Communication & Collaboration

Items:

- Internal Messaging System - Staff-to-staff communication, message history
- Notification Engine - Task reminders, medical alerts, system notifications
- Alert Management - Configurable alert preferences, delivery methods

Section Total: 20.0 - 26.0 hours | \$4,000 - \$5,200

7. Administrative Features

Items:

- Admin Panel - User management, role assignment, system configuration
- Data Export Tools - CSV and PDF export functionality
- Audit Logging System - Track all data modifications with user attribution
- Backup Management - Automated backup scheduling and recovery

Section Total: 24.0 - 31.5 hours | \$4,800 - \$6,300

8. Reporting & Analytics

Items:

- Operational Reports - Intake, adoption, medical, capacity reports
- Custom Analytics Dashboard - Configurable widgets, real-time metrics
- Document Generation - Adoption certificates, medical reports, financial summaries
- Report Scheduling & Distribution - Automated report generation and delivery

Section Total: 30.0 - 39.0 hours | \$6,000 - \$7,800

9. Search & Resource Management

Items:

- Advanced Animal Search - Multi-criteria search with filters
- Adopter Search System - Name, contact, history search capabilities
- Resource Library - Document storage, version control, access management
- File Management - Upload, download, organization tools

Section Total: 22.0 - 28.5 hours | \$4,400 - \$5,700

10. Scheduling & Calendar

Items:

- Calendar Management - Appointments, staff shifts, events
- Task Management System - Daily tasks, assignments, progress tracking
- Calendar Integration - Sync with medical appointments and care schedules
- Resource Scheduling - Room and equipment booking

Section Total: 24.0 - 31.5 hours | \$4,800 - \$6,300

11. UI/UX Design & Review

Items:

- Initial UI/UX Design - AI-Tools used for interface design, user flows, responsive layouts
- Design Review & Iteration - Client feedback cycles, refinement, design adjustments

Section Total: 16.0 - 21.0 hours | \$3,200 - \$4,200

12. Project Infrastructure & Management

Items:

- Meetings - Weekly standups, client check-ins, sprint planning, reviews
- Project Initiation & Configuration - Repo setup, CI/CD, environment configuration
- Database Design & RLS - Animal records, user management, medical data schemas
- Initial API Creation - RESTful endpoints, authentication, authorization, error handling
- API Documentation - OpenAPI/Swagger docs, endpoint descriptions, examples
- Project Management - Task tracking, sprint coordination, stakeholder communication
- Testing & QA - Unit tests, integration tests, UAT coordination
- Project Closeout - Final documentation, deployment, handoff, training

Section Total: 48.0 - 62.5 hours | \$9,600 - \$12,500

Summary

Web Application Development

Project Totals

Pricing Structure

Estimated Ranges by Configuration:

- **Web Application Only:** 312 - 407 hours (\$62,400 - \$81,400)

Assumptions & Notes

AI-Assisted Development: This estimate reflects a 75% time reduction from traditional development approaches through the use of AI-assisted development tools for code generation, debugging, and documentation.

UI/UX Design Tool: Estimates include use of AI-tools for initial interface design and component creation.

Platform Architecture:

- Web application serves as the foundation with responsive design
- Mobile-optimized views for field use by shelter staff
- RESTful API architecture supporting future mobile app development
- PostgreSQL database with Row Level Security for data isolation

Third-Party Services: Assumes use of existing services for:

- Authentication (e.g., Auth0, OAuth2)
- Cloud storage for photos and documents (e.g., AWS S3, Google Cloud Storage)
- Email services for notifications (SendGrid, AWS SES)
- File processing for image optimization

Technical Stack Assumptions:

- Modern JavaScript framework (React/Vue/Angular)
- Node.js backend with Express or similar
- PostgreSQL database with proper indexing
- Redis for caching and session management
- Docker containerization for deployment

Exclusions:

- Content creation (training materials, help documentation)
- Marketing website or landing page
- Ongoing maintenance and support after closeout
- Third-party service subscription costs
- SMS notification capabilities
- Integration with external veterinary systems
- Custom mobile applications (iOS/Android)

Risk Factors that may increase estimate:

- Complex integration requirements with existing shelter systems
- Additional compliance requirements for animal welfare regulations
- Custom reporting requirements beyond specified scope
- Performance optimization for very large shelters (1000+ animals)

Payment Structure (Retainer Model)

Recommended Approach:

- **Initial Retainer:** \$15,000 CAD (covers project initiation + ~75 hours development)
- **Ongoing Monthly Retainer:**
 - Web Only: \$20,000 - \$25,000 CAD/month

Estimated Project Duration:

- **Web Application Only:** 3-4 months

Deliverable Milestones (Web Application):
Month 1: Project setup, UI/UX design, user authentication, animal intake system
Month 2: Adoption management, medical management, dietary tracking
Month 3: Admin features, reporting, search functionality
Month 4: Final features, testing, deployment, training

Critical Path Dependencies:

- Database schema must be finalized before feature development
- User authentication system required before role-based features
- Core animal management features needed before reporting/analytics

Next Steps

- a. Review and approve estimate
- b. Define specific reporting requirements and custom fields
- c. Finalize technical architecture and platform selection
- d. Discuss any shelter-specific compliance or regulatory requirements
- e. Establish project kickoff date
- f. Set up initial retainer and project tracking systems
- g. Schedule initial design review session

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