

MedPetRx Integrated App Outline + Screen-by-Screen Wireframe

Login ® Add Pet ® Portal Tabs (Including Vet Portal Access + Drug–Drug Interaction Checker)

1) User Roles

- A) Pet Owner (Primary): Creates login and manages pet profiles and sharing controls. Views/edits pet info (medications, diet, vaccines, problems, medical records).
- B) Veterinary Team (Future Partner Portal): Licensed veterinarians can view authorized pet records and push updates through integrations/APIs.

2) Onboarding Flow (Happy Path)

- 1 Welcome / Value Proposition: one pet record across ER, GP, urgent care, specialty.
- 2 Create Account: email/phone + password (or SSO).
- 3 Verify Email/Phone.
- 4 Terms + Consent Gate (Required).
- 5 Add First Pet: name, species, breed, DOB/age, sex, weight, microchip (optional).
- 6 Set Privacy + Sharing Preferences (default private).
- 7 Home Dashboard (med reminders, vaccine due alerts, recent records).

3) Login + Security Features

- Email/phone + password login
- Multi-factor authentication (MFA) option
- Device/session management
- Audit log (who accessed what and when)

3.1 Veterinary Access Rules (Who Else Can Access Records)

- Only veterinarians with verified accounts can look up pets and access up-to-date medical records (ER, GP, urgent care, specialty).
- Veterinarians must provide their DEA number to verify licensing status.
- Once verified, veterinarians can use the pet's microchip number OR pet name + owner last name to access records.
- If the pet is lost, veterinarians can contact the primary owner listed in the pet profile.

4) Owner Portal (Main Navigation)

Recommended side Tab Bar:

- Home
- Records
- Medications
- Vaccines
- Profile

A) Home (Dashboard)

- Next-action cards: med reminders and vaccine alerts
- Recent records added

- Quick-add buttons: medication, vaccine, problem, record upload

B) Profile (Pet Profile)

- Pet demographics: name, microchip, species/breed, sex, DOB/age
- Weight trend tracking
- Allergies/adverse reactions
- Vet contacts + emergency contacts
- Insurance information (optional)

C) Medications (Rx + OTC + Supplements)

- Active medications list + medication history
- Fields: drug name, strength, directions, indication, start/stop date, prescriber, pharmacy/vet
- Upload label photo or attach discharge instructions
- Refill reminders and adherence tracking

D) Diet / Nutrition

- Diet brand/formula (Hill's, Royal Canin, Purina, etc.)
- Feeding amount + schedule
- Diet history timeline
- Treats and supplements tracking

E) Vaccines

- Vaccine table: date, product, clinic, lot number (if available)
- Due/overdue alerts
- Export vaccine summary (future feature)

F) Medical Record (Documents + Visits)

- Timeline view of visits, diagnostics, imaging, surgeries
- Upload PDFs/images
- Store discharge notes and lab results
- One-tap "Share with ER now" time-limited link

G) Problems (Active & Past)

- Problem list (e.g., atopy, IVDD, CKD, seizures)
- Each problem links to related meds, labs, diets, notes
- Status: active/resolved, onset date, comments

H) Drug–Drug Interactions (DDI)

Location: Medications Tab ® Drug Interaction Checker

- Auto-generated list of the pet's current active medications
- Toggle: Include OTC/Supplements? (Yes/No)
- Button: Run Interaction Check
- Interaction results categorized by severity (Severe, Moderate, Minor)
- Interaction card includes: Drug A + Drug B, severity label, mechanism summary, clinical risk,

monitoring recommendations

- Ability to export/share interaction report with ER or primary vet

5) Emergency Mode (Key Differentiator)

- Emergency Summary Card: current meds, allergies, flagged severe interactions, active problems, key records
- One-tap time-limited sharing with ER
- QR code / one-time passcode sharing options

6) Settings / Account Management

- Account settings + password/security
- Notification preferences
- Privacy & sharing controls
- Consent management
- Export pet records
- Delete pet profile/account
- Access log: who viewed the pet record

7) Allergies/ Adverse drug reactions (ADRs)

Location: Prolife tab → Allergies

(also shown on Home Dashboard + Emergency Summary Card)

Allergy Module Features

Record allergies to:

Medications (ex: penicillin, cephalexin, NSAIDs)

Foods (ex: chicken, beef, grains)

Environmental triggers (ex: pollen, dust, fleas)

Vaccine reactions

Add Allergy Screen

Fields:

- Allergy type (Drug / Food / Environmental / Vaccine)
- Substance name (free text + searchable list)
- Reaction description (ex: vomiting, facial swelling, hives, anaphylaxis)
- Severity level:
 - Mild
 - Moderate
 - Severe / Anaphylaxis
- Date first noticed


- Verified by veterinarian? (Yes/No toggle)
- Notes / supporting documents upload (optional)

Button: Save Allergy

Allergy List Screen

- Displays allergies with:
 - Allergy name
 - Severity color code
 - Reaction summary
 - Verified vs owner-reported label

Allergy Alert System (Automatic)

- If a medication is added that matches an allergy:
 - Pop-up warning:
“ Allergy Alert: This pet has a documented reaction to this medication.”