# Veterinary Clinic – Admin Completion & Multi‑Pet Management (Spec)

Admin-side workflow to complete provisional records, manage mobiles, and add multiple pets under a single Owner. No code, implementation-ready spec.

## 1) Entry Points

- Provisional Queue: list of patients with status=provisional (created via Visit Entry).  
- Global Search: by mobile, unique\_id, owner name.  
- From Identification screen: “Open Patient (Admin)”.

## 2) Screen Layout (Admin Patient Profile)

A. Owner Panel (top):  
 • Owner Name (First, Middle, Last)  
 • Mobiles []: list with labels [Primary] [Verified] [Add] [Remove]  
 • Locality / Address  
 • Buttons: Save Owner, Reprint Letterhead (owner-level)  
  
B. Pets Panel (cards list):  
 • Each Pet Card: Pet Name, Unique ID, Species/Breed, Gender, Age, last visit date  
 • Card Actions: Edit Pet, Reprint Letterhead (pet-level), Set as Favorite (optional)  
 • Add New Pet (+) → opens New Pet form (generates new Unique ID)

## 3) Owner Completion

Fields:  
- first\_name (required), middle\_name (optional), last\_name (required)  
- mobiles[]: add, remove, mark primary (one), OTP verify (optional)  
- locality/address (optional)  
  
Rules:  
- On first Save Owner for a provisional record → patient.status changes to ACTIVE.  
- Any new mobile is stored in owner\_mobiles (owner\_id, mobile, is\_primary, is\_verified).  
- Mobile format normalization (E.164) and uniqueness per owner (same number not repeated).

## 4) Pet Completion / Edit

Fields:  
- pet\_name (required)  
- species (required) → breed (required; filtered by species)  
- gender (required)  
- age: DOB or Years/Months (one path required)  
- microchip (optional), notes (optional)  
- pet photos (optional; capture/upload)  
  
Rules:  
- Unique ID is immutable per pet.  
- On Save Pet, update pet record and index photos in documents.

## 5) Add New Pet (Same Owner)

Flow:  
- Click “Add New Pet (+)” in Pets Panel.  
- System generates new Unique ID (YY####, transactional per year).  
- New Pet form (fields as above). Save creates pet under same Owner.  
- Reprint Letterhead available for new pet.

## 6) Mobiles Management

Actions:  
- Add mobile → normalize format; optional OTP → mark verified.  
- Mark Primary → exactly one primary per owner.  
- Remove mobile → allowed if at least one remains; if removing primary, choose a new primary first.  
  
Search impact:  
- Any mobile in the list resolves to this Owner in patient-facing search.  
- Newly added mobiles are effective immediately.

## 7) De‑duplication & Merge (Admin‑Only)

Queue:  
- Provisional records flagged with ‘possible duplicate’ (same/close mobile, same name).  
  
Merge process:  
- Select source (provisional) → select target (existing Owner and/or Pet).  
- Options:  
 • Merge Owner only (mobiles, locality) → pets remain separate.  
 • Merge Pet into target Owner (reassign pet + its Unique ID; Unique ID remains unchanged).  
- After merge: mark source as merged\_with=<target\_id>, keep audit trail.

## 8) Reprint Letterhead

- Owner-level: prints generic owner header with list of pets (optional).  
- Pet-level: prints prescription letterhead for the selected pet with Unique ID + QR/Barcode.

## 9) Permissions

- Front desk: view owner/pet; add documents; limited edit (mobiles, locality).  
- Doctor: edit pet medical fields; reprint letterhead.  
- Admin: full edit, merge, delete, add pet.

## 10) Audit & Logs

- Track created\_by, updated\_by, timestamp per owner/pet change.  
- Merge actions logged with before/after snapshots.  
- Mobile verification events recorded (who/when/how).

## 11) Edge Cases

- Attempt to add a mobile already linked to another Owner → block with ‘mobile in use’; provide ‘Move to this Owner’ path (admin-only).  
- Deleting a pet with historical visits → disable delete; allow archive only.  
- Changing species resets breed selection.

## 12) Data Model Updates

- owners(id, first\_name, middle\_name, last\_name, locality, created\_at, updated\_at)  
- owner\_mobiles(id, owner\_id, mobile\_e164, is\_primary, is\_verified, created\_at)  
- pets(id, owner\_id, unique\_id, pet\_name, species\_id, breed\_id, gender, dob, age\_years, age\_months, microchip, notes, created\_at, updated\_at)  
- (reference) species(id, name); breeds(id, species\_id, name)

## 13) API (Admin/Web stubs)

GET /api/owners/{id}  
PATCH /api/owners/{id}  
POST /api/owners/{id}/mobiles  
DELETE /api/owners/{id}/mobiles/{mobile\_id}  
POST /api/owners/{id}/pets  
PATCH /api/pets/{id}  
POST /api/pets/{id}/photos (multipart)  
POST /api/merge (admin-only)