# Veterinary Clinic Management System - Updated Specification

## Modules/Workflows → Visit Creation (Entry Point)

This workflow covers the patient-facing entry point for creating a visit,   
including handling of existing patients, provisional patient creation,   
and printing the prescription letterhead with QR/Barcode.

### Key Steps

- Single auto-focused input for Mobile or Unique ID.

- Parse input: 6 digits = Unique ID; otherwise treat as mobile.

- If match found: show owner/pet chooser if needed, then print.

- If no match found (by mobile): show options: Try another mobile, Back, Home, Continue to create new record.

- If 'Continue': generate provisional Unique ID, create provisional patient & pet, generate QR/Barcode, print provisional letterhead.

- Multiple mobiles per patient supported.

- Multiple pets per owner supported — each with own Unique ID; chooser shown if >1 pet.

- No auto-merge; admin reconciliation later.

### Provisional Record Handling

When creating a provisional record, the system:  
- Generates Unique ID (YY#### format, per year counter).  
- Creates provisional patient (status=provisional, created\_via=visit\_entry).  
- Creates provisional pet linked to same Unique ID.  
- Generates and stores QR/Barcode as patient-level assets (v0000).  
- Prints letterhead with available details and blanks for the rest.  
- No auto-merge even if mobile later exists elsewhere.

### Background Processes

- Logs all searches and prints (time, input type, result, user agent).  
- Stores QR/Barcode images with confirmed file naming convention in patient/year folder.  
- Indexes these assets in `documents` table.  
- Flags provisional records without pet/owner details for admin completion.

## Modules/Workflows → Admin: Complete Patient Details

This workflow covers the admin-side process for completing the details   
of provisional records created from the Visit Creation entry point.

### Key Steps

- Access provisional record from queue or search.

- Fill owner details: name, mobiles (mark primary), locality/address.

- Fill pet details: name, species, breed, gender, age (DOB or Y/M).

- Upload pet images if available.

- On save: change patient.status to active, retain Unique ID, keep QR/Barcode.

- Allow adding more pets for the same owner (each gets new Unique ID).

- Multiple mobiles per patient allowed; search matches any.

- Flag possible duplicates for admin merge action.

## Appendix → Backlog (Nice-to-Have Features)

- Visit stub with status=pending\_print for pre-admin uploads.

- Provisional reconciliation dashboard with merge tools.

- POS sync integration with retry logic.

- Reminders via WhatsApp/SMS.

- Document previews and thumbnails.

- OCR for prescriptions.

- Android offline queue with retries.

- Security hardening (rate-limit, CSRF, scan debounce).

- Audit log with rollback for merges.

- Storage lifecycle management.

- Tagging & advanced search.

- Localization & timezone handling.