



Offline-First HIV Injection Tracker

Hybrid Biometrics (Face + Fingerprint) Proposal

1. Unique Selling Propositions (USP)

Hybrid Biometric Support

Facial Recognition (via Android camera + clinic PC webcam), Fingerprint (Android sensor or optional external fingerprint scanner)

Offline-First Design

Fully functional without internet, auto-syncs when connectivity is available

Device Compatibility

Minimum Android 8.0, Webcam support for PC/laptops

HIV-Focused Dashboard

Tracks Last Injection Date, Next Due, Current Medication, Missed Dose Alerts

2. Quotation - Prototype (Without External Fingerprint Device)

Item	Description	Price (USD)
Software Development & Customization	Android + PC/Web Dashboard + Offline DB + Facial Recognition	\$2,000
Implementation & Training	Clinic deployment + nurse training	\$500
Hosting & Database Setup (1 Year)	Offline-first local DB with optional cloud sync	\$500
Miscellaneous / Contingency	Testing, QA, documentation	\$500
Total Quotation (Clinic License)		\$3,500

3. Quotation - Prototype (With External Fingerprint Device)

Item	Description	Price (USD)
Software Development & Customization	Android + PC/Web Dashboard + Offline DB + Facial + Fingerprint	\$2,200
Implementation & Training	Clinic deployment + nurse training	\$500
Hosting & Database Setup (1 Year)	Offline-first local DB with optional cloud sync	\$500
External Fingerprint Device	Mantra MFS100 / Futronic FS80 + shipping & taxes	\$100
Miscellaneous / Contingency	Testing, QA, documentation	\$500
Total Quotation (Clinic License)		\$3,800

4. Technical Specifications & Notes

Android Version: Minimum Android 8.0 (Oreo)

PC Requirements: Webcam support for facial recognition

Connectivity: Offline-first architecture with optional cloud sync

Complete offline support for uninterrupted operations

External webcam support for clinic PC deployment

Comprehensive training and implementation support

One year hosting and database maintenance included

 **Fingerprint Enhancement:** Optional external device for higher accuracy

 **Quotation Validity:** 3 months from issue date

 **Recurring Costs:** \$30/month per clinic (after first year)

5. Recommended Pilot Strategy

Phase 1: Clinic Setup

Install software, setup DB, train nurse & admin

Phase 2: Pilot Operations

Track patient injections, test offline sync

Phase 3: Review & Feedback

Collect user feedback, optimize workflow

Phase 4: Full Rollout

Deploy across all clinics, provide support