# La Tortuga Digital Intake App — Product Requirements Document (PRD)

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## 1. Purpose & Vision

Digitize La Tortuga’s medical and dental intake process to:  
- Simplify patient data entry during field clinics.  
- Operate fully offline and sync securely when online.  
- Generate actionable dashboards for clinicians and community leaders.  
- Reduce paperwork and errors while improving long-term data tracking.

## 2. Key Objectives

1. Single Tablet App usable offline in Spanish and English.  
2. Separate Medical & Dental flows, but share core patient information.  
3. Auto-sync to Firebase (Primary) once connected.  
4. Dashboard view for aggregated statistics and community education.  
5. HIPAA-lite privacy — no names or identifiers shared externally.

## 3. Core Features

### 3.1 Authentication & Offline Mode

- Secure Login with password or PIN.  
- Roles: Admin / Medical / Dental.  
- Offline Storage with local sync.  
- Sync Status Indicator.

### 3.2 Patient Intake Flow

Flow: Login → Patient Info → Medical/Dental → Vitals → Pain → Plan → Summary/Sync

### 3.3 Medical Form Modules

Sections: Neuro, ENT, Cardiac, Respiratory, Digestive (Appetite), Musculoskeletal, Skin/Wounds, Pain, Medications, Family History (add Stroke), Notes.

### 3.4 Dental Form Modules

Tooth grid 1–32 (Painful, Caries, Fractured), Procedures count (Cleanings, Deep Cleanings, Extractions), Antibiotic dropdowns, Notes.

### 3.5 Shared UX Features

- Tabs per section instead of scroll.  
- Checkboxes preferred over dropdowns.  
- Stylus-friendly, glove-safe UI.  
- Autosave drafts locally.

### 3.6 Languages

Patient fields: Spanish + English.  
Clinician fields: English.  
Toggle available in top bar.

## 4. Dashboard Requirements

Internal Metrics: Patients, Procedures, Medication Usage, Diagnoses.  
Community Reports: Top 3–5 health issues, recommendations, education stats.  
Built using Firebase or BigQuery backend.

## 5. Education & Outreach Module (Phase 2)

Log educational sessions (Topic, Date, Attendance).  
Predefined topics: Diabetes, Nutrition, Hygiene, Dental Care.

## 6. Non-Functional Requirements

Performance: Load <5s per screen.  
Security: Encrypted storage, no identifiable data.  
Compatibility: Android primary, iOS optional.  
Usability: Stylus and glove tested.

## 7. Timeline & Milestones

Oct–Dec 2025: Finalize form fields and translations.  
Dec–Jan 2026: Develop forms & dashboard.  
Jan 2026: Testing.  
Feb 2026: Deployment for Chiapas trip.

## 8. Hardware & Budget Notes

5–8 Tablets ($150 each) + Styluses ($25 each) = ~$1.5–2K total.  
Firebase backend ~ $25–50/month.

## 9. Open Questions / Next Steps

1. Confirm common medication list.  
2. Finalize translations.  
3. Validate dashboard metrics.  
4. Confirm backend (Firebase vs AWS).  
5. Begin fundraising for tablets by December.

## 10. Acceptance Criteria

✅ Works offline with sync.  
✅ Dashboard accurate per community.  
✅ Bilingual toggle functional.  
✅ 50+ test records synced pre-deployment.