

Product Requirements Document (PRD)

Project: Childcare Tracker App

Prepared For: Rural Healthcare Stakeholders

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1. Overview

A mobile application designed to help rural mothers track vaccination schedules, monitor their child's growth metrics, and schedule healthcare appointments with ease. The app supports local languages and integrates with the healthcare ecosystem to reduce missed vaccinations and improve child health outcomes.

2. Problem Statement

Rural mothers often miss their children's vaccinations and medical appointments due to a lack of timely reminders, language barriers, and limited access to organized health records. Healthcare workers struggle with manual data collection, and administrators lack real-time insights to drive public health decisions.

3. Target Users

- 1. Rural Mothers
- 2. Healthcare Workers
- 3. Healthcare Administrators/NGOs

4. Goals & Objectives

- Ensure timely vaccinations and health check-ups.
- Empower mothers with child health records and reminders.
- Assist healthcare workers in managing children's records digitally.
- Enable administrators to access real-time health data for decision-making.

5. Core Features

Feature	Description
Vaccination Tracker	Tracks due and completed vaccinations with reminders in local language (e.g., Tamil, Hindi).

Growth Monitoring	Allows recording child height, weight, and developmental milestones; includes WHO percentile charts.
Appointment Scheduler	Enables booking/checking of upcoming clinic visits or immunization camps.
Reminder System	Push notifications or SMS alerts for upcoming vaccines or appointments.
Offline Mode	Allows data entry without internet, syncs when online.
Healthcare Worker Dashboard	View children under their care, update records, and flag defaulters.
Admin Dashboard	Aggregate reports for village/region-level vaccination coverage, defaulter lists.
Multi-language Support	App available in English and local languages (initially 2–3 common regional languages).

6. User Stories

Rural Mother

- As a mother, I want to be reminded of my child's vaccination dates so that I don't miss any.
- As a mother, I want to view my child's growth progress in a simple chart.
- As a mother, I want to use the app in my local language.

Healthcare Worker

- As a healthcare worker, I want to see which children are due for vaccines this week.
- As a healthcare worker, I want to quickly update vaccination and growth data in the app.

Administrator

- As an admin, I want to generate reports of vaccination coverage across villages.
- As an admin, I want to track defaulters and monitor field worker performance.

7. Technical Requirements

- Platform: Android (first release)
- Backend: Cloud-based (Firebase or AWS)
- Local Data Storage: SQLite for offline access
- SMS Gateway Integration for reminders

- Role-based access: Mother, Worker, Admin
- Language packs for regional use

8. Assumptions & Constraints

- Mobile penetration among mothers is adequate (basic smartphone or shared access).
- Healthcare workers are provided with phones/tablets by the government or NGO.
- Network connectivity in rural areas is intermittent, so offline-first design is required.