

Supervision to Digital App

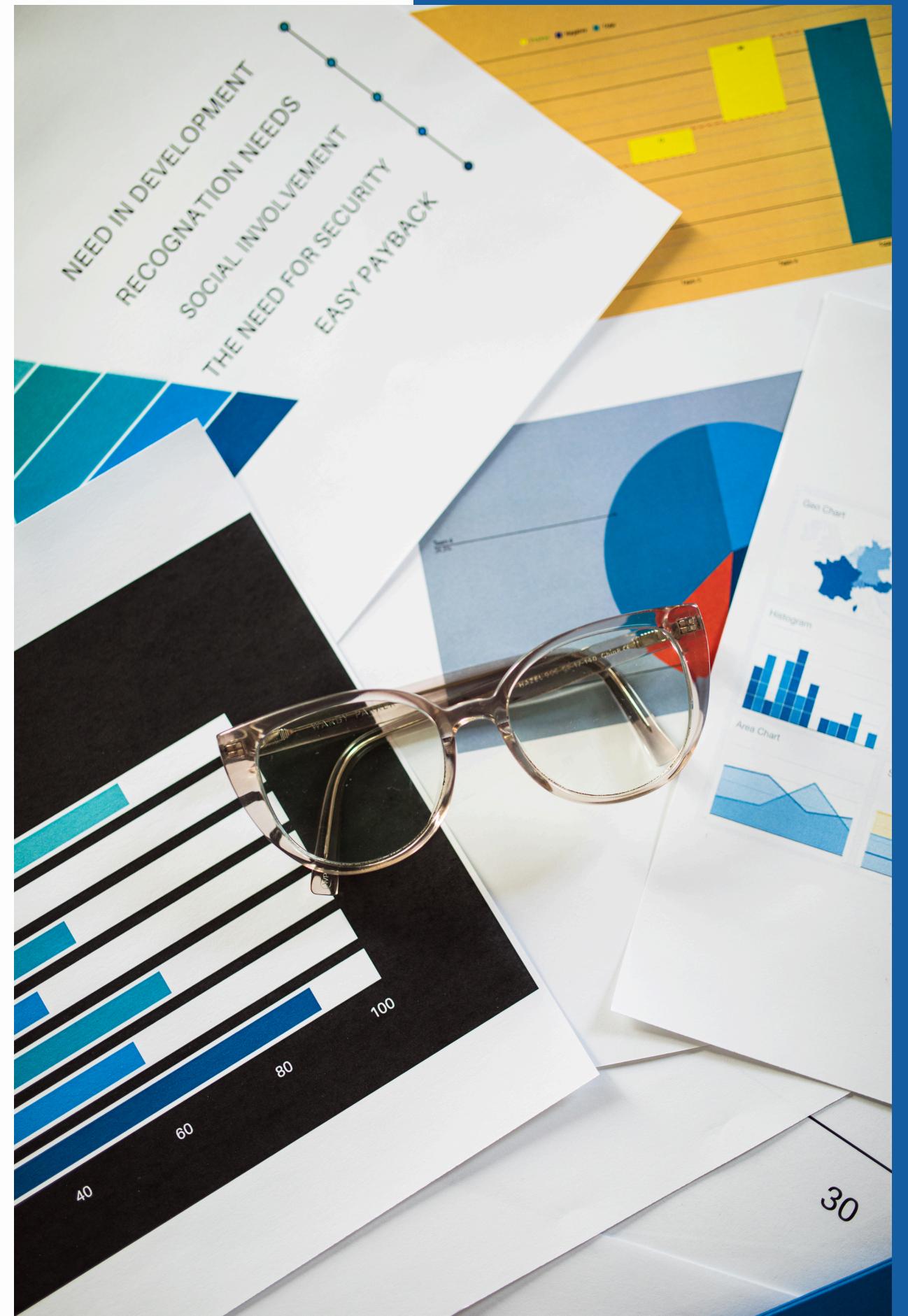
Digitizing Supervision Forms



A smartphone is displayed vertically, showing a digital form titled 'Supervision Form'. The form includes fields for 'Facility Name' (with placeholder text 'Healthpost Name'), 'Supervision Date' (set to 'Apr 24, 2024'), and a question 'Was the ward clean?' with two radio button options ('Yes' and 'No'). A large blue button at the bottom right is labeled 'Submit Form'.

Overview

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Objectives

Replace manual supervision forms with a digital, reliable, and offline-capable app.



Requirements

Features

Offline Data Entry

Sync to server

View/Edit Data

XLSX Export

Data Reliability

Visual Cues

Sync Status Indicator

Descriptions

Enter data during field visits with no internet.

Auto/Manual upload when internet is available.

Users can review and edit entries with optional tracking.

Export data to Excel for reporting.

Must avoid data loss: use redundancy/ backup strategy.

Mark completed entries with clear indicators.

Show current state: Local/Synced/Verified

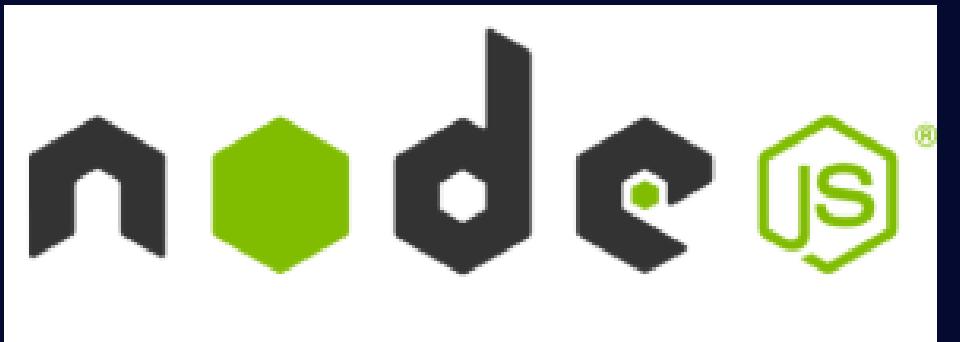
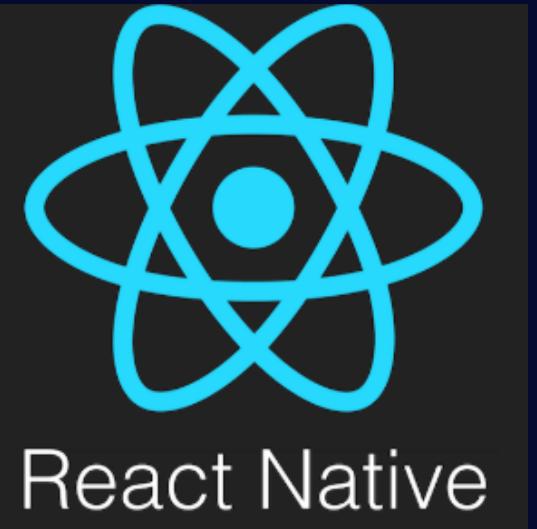
Tech Stack

Frontend: React Native

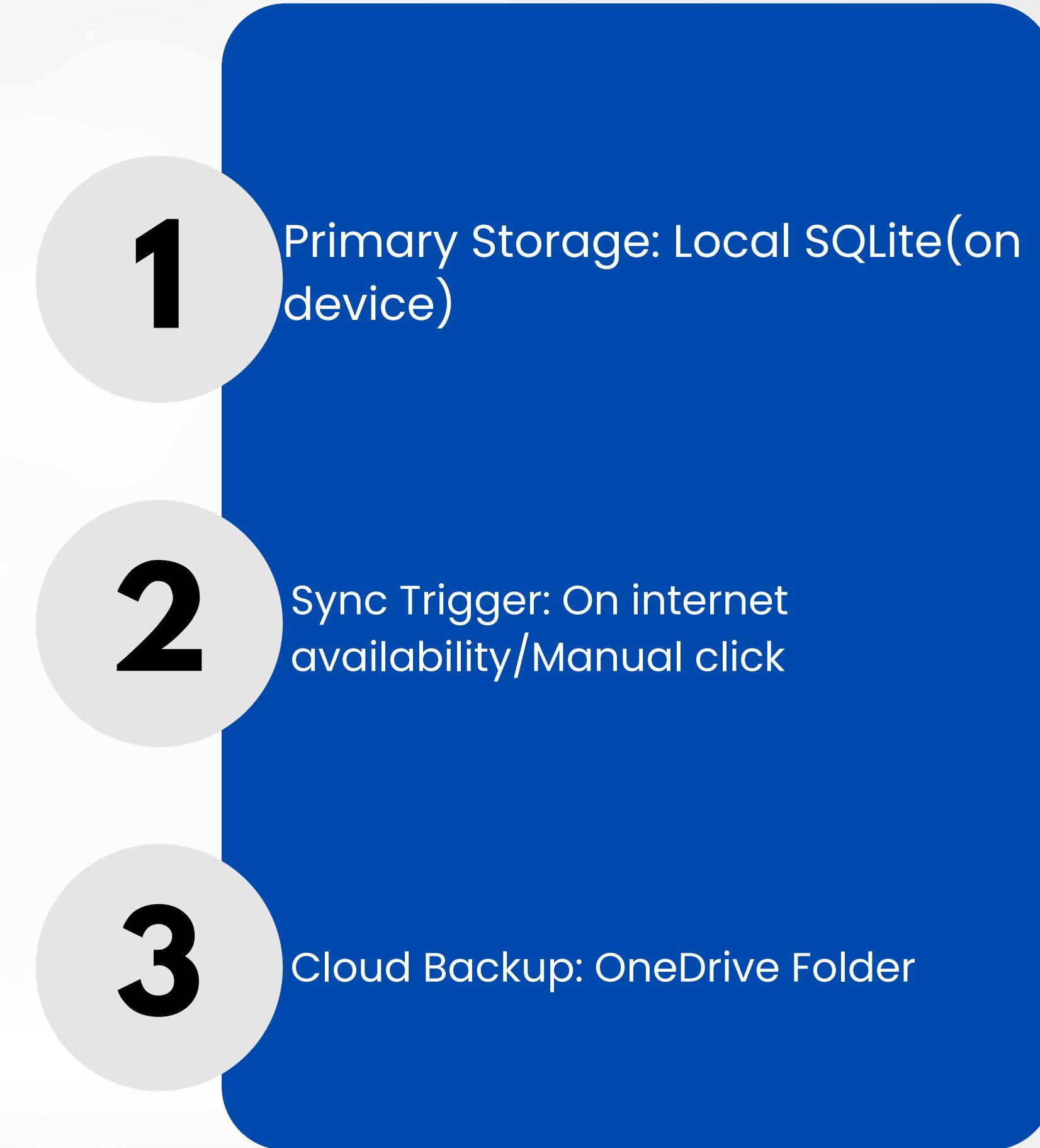
Backend: Node.js

Database: PostgreSQL

Cloud Backup: One Drive



BACKUP & SYNC PLAN

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- 1** Primary Storage: Local SQLite(on device)
 - 2** Sync Trigger: On internet availability/Manual click
 - 3** Cloud Backup: OneDrive Folder