



Dash Tricks

Hadiza Ismaila Michael Kutz Bryan Martin Jian Zhao

Project Description

DashTricks is an application that provides district immunization managers in Tanzania, with a dashboard for monitoring key Immunization indicators in their districts

Project Goal

Give district managers a sense of ownership over their data to help them realize problems and make better vaccine management decisions intuitively and correctly.

Problem Statement

Quality data is neither **easily accessible** nor **properly utilized** to assist District Immunization Managers in making proper **vaccine management decisions**.



Current Method

Vaccine

Paper based registry and ledgers

Excel-based tools

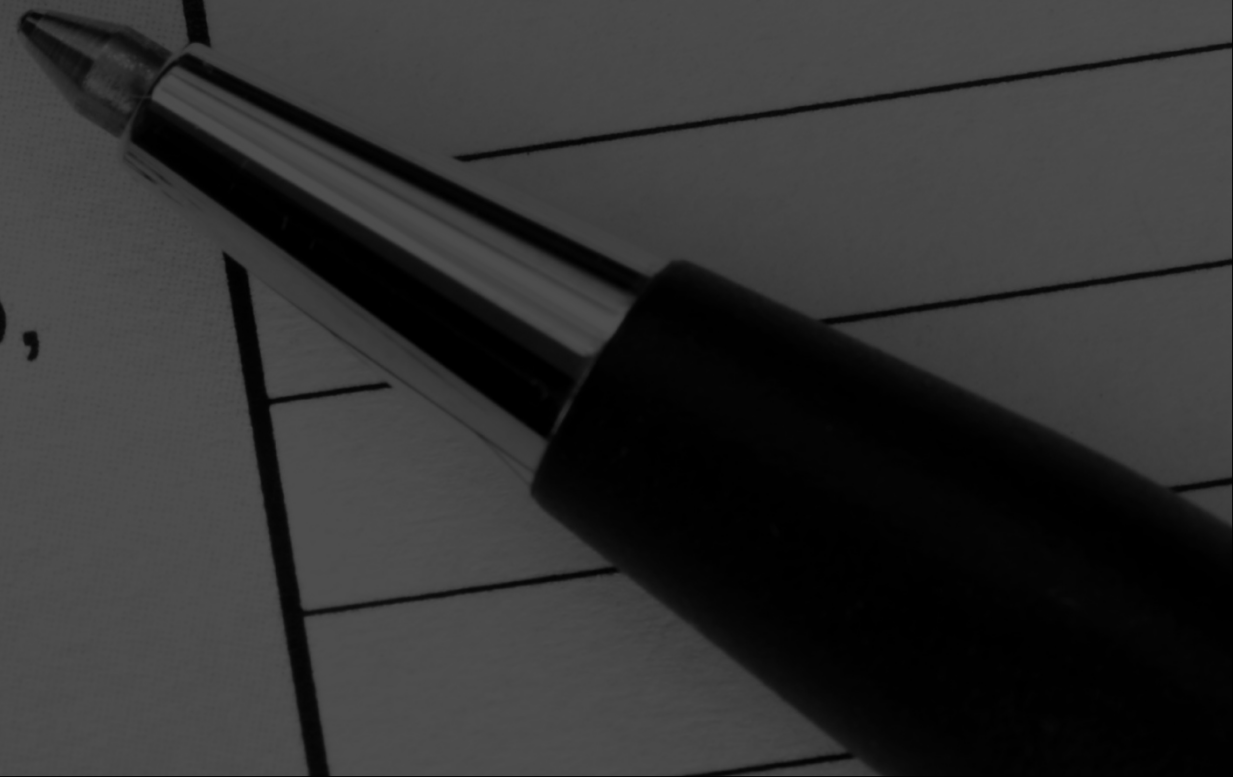
District Vaccine Data Management Tool

Stock management tool

Diphtheria, Tetanus, Pertussis

(DTaP, DTP, DT, Td, Tdap,
DTaP-HepB-IPV, DTaP-
Hib, DTaP-IPV,

Type



Barriers

Reports are fragmented and difficult to analyze

Manual entry of data into SMT and DVDMT

Poor visualization of data

Time consuming



Solution

An Android tablet application to enable district managers to view and explore the performance of key immunization indicators in their district.

Key Indicators

Immunization Coverage

Vaccine Stock Levels

Cold Chain Performance

Exploration by

Vaccine

Location

Monthly Trend

Process

Research /
Analysis

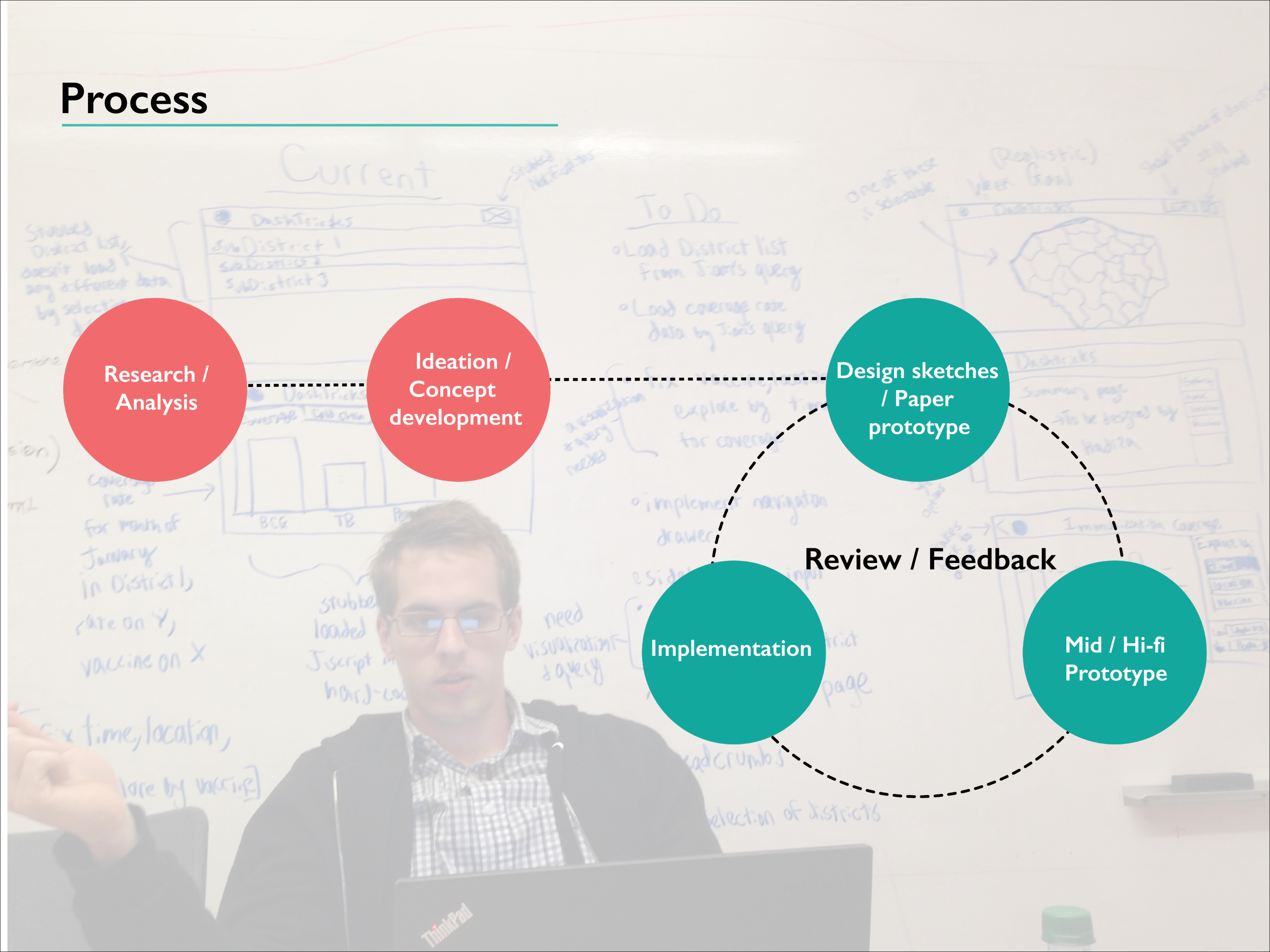
Ideation /
Concept
development

Design sketches
/ Paper
prototype

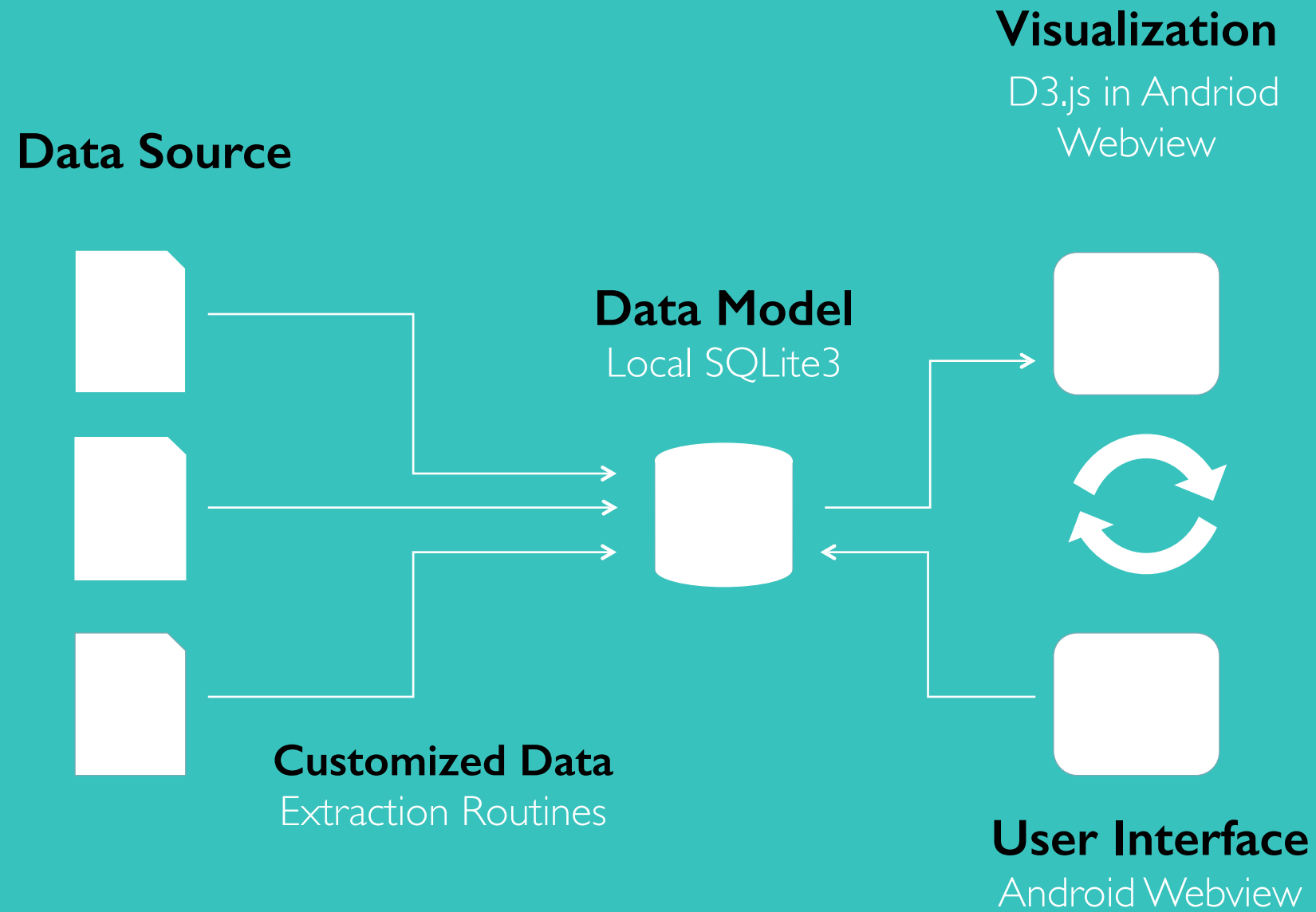
Implementation

Mid / Hi-fi
Prototype

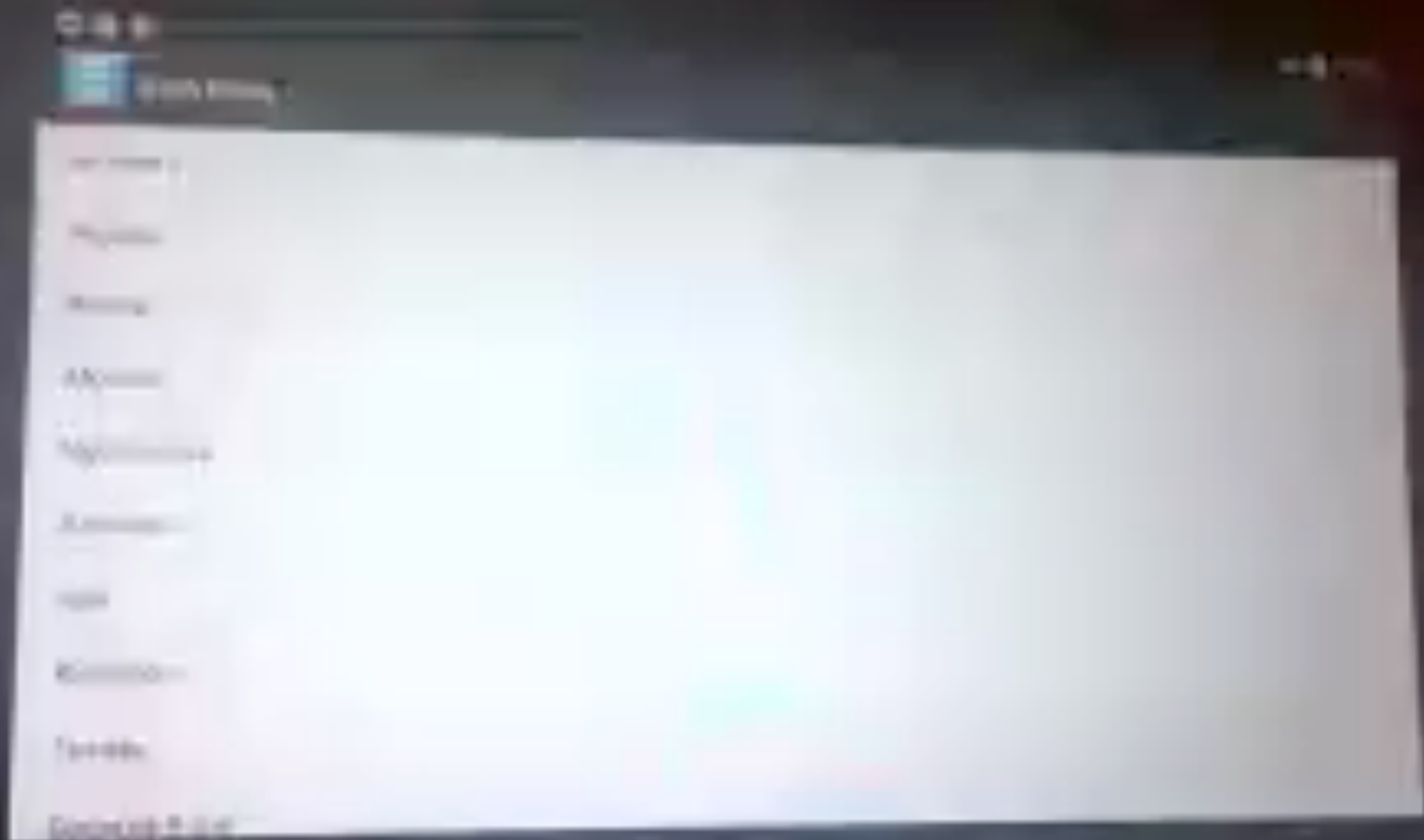
Review / Feedback



Architecture



Demo



Future Work

Implementing more exploration depth of cold chain and vaccine stock

Implementing data flagging capabilities

Implementing note taking capabilities

Adding animations to graphs

Exploring more correlations