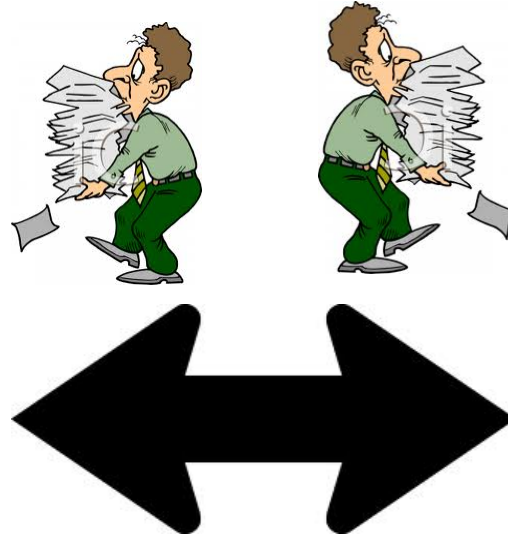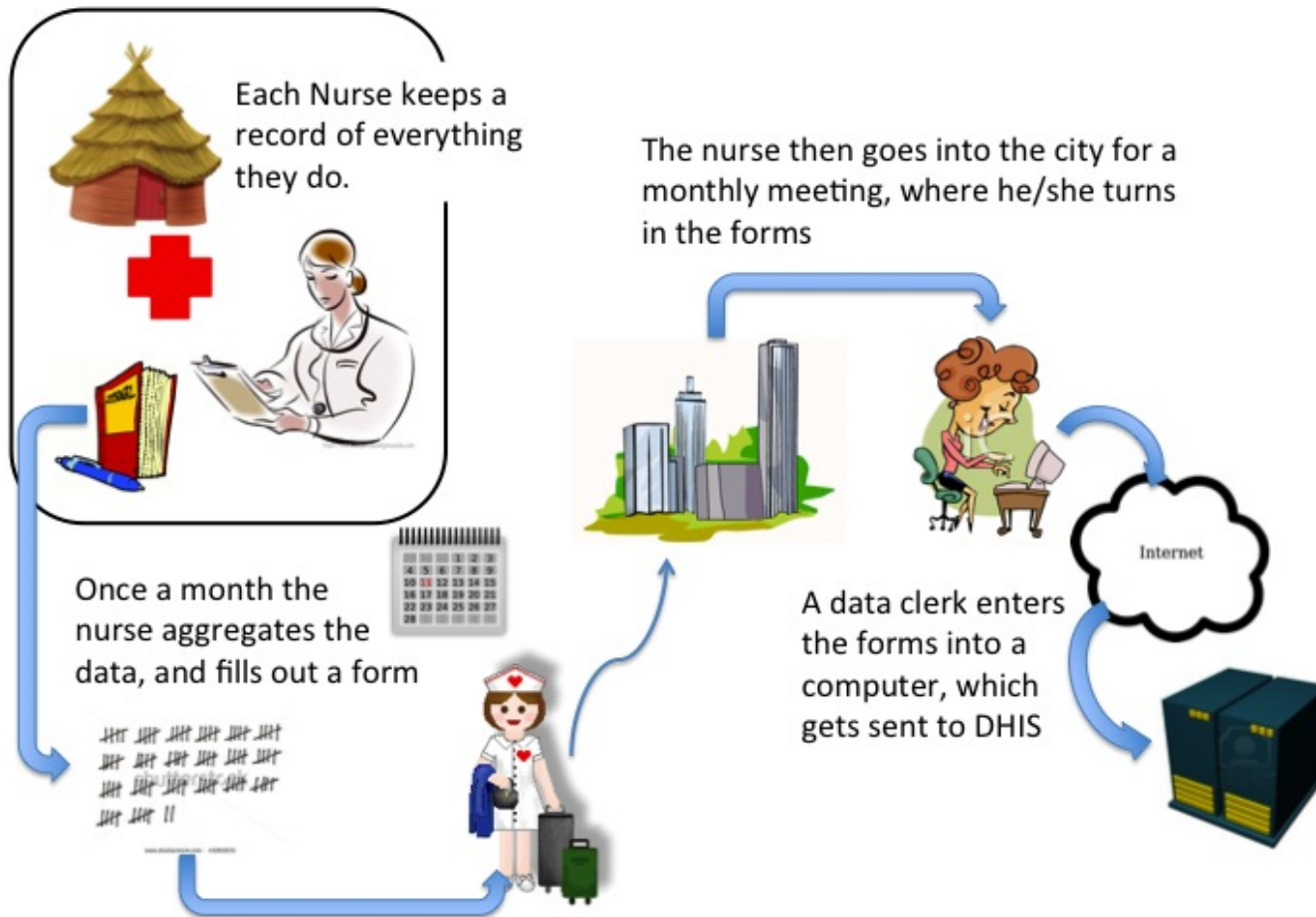# DHIS-ODK

Nolan Cash, Matt Moyers, Nara Kim, Ji Mun

WHAT IS OUR PROJECT ABOUT?

Improve data collection method for health facilities in developing region

Current System

Each Nurse keeps a record of everything they do.

Once a month the nurse aggregates the data, and fills out a form

The nurse then goes into the city for a monthly meeting, where he/she turns in the forms

A data clerk enters the forms into a computer, which gets sent to DHIS
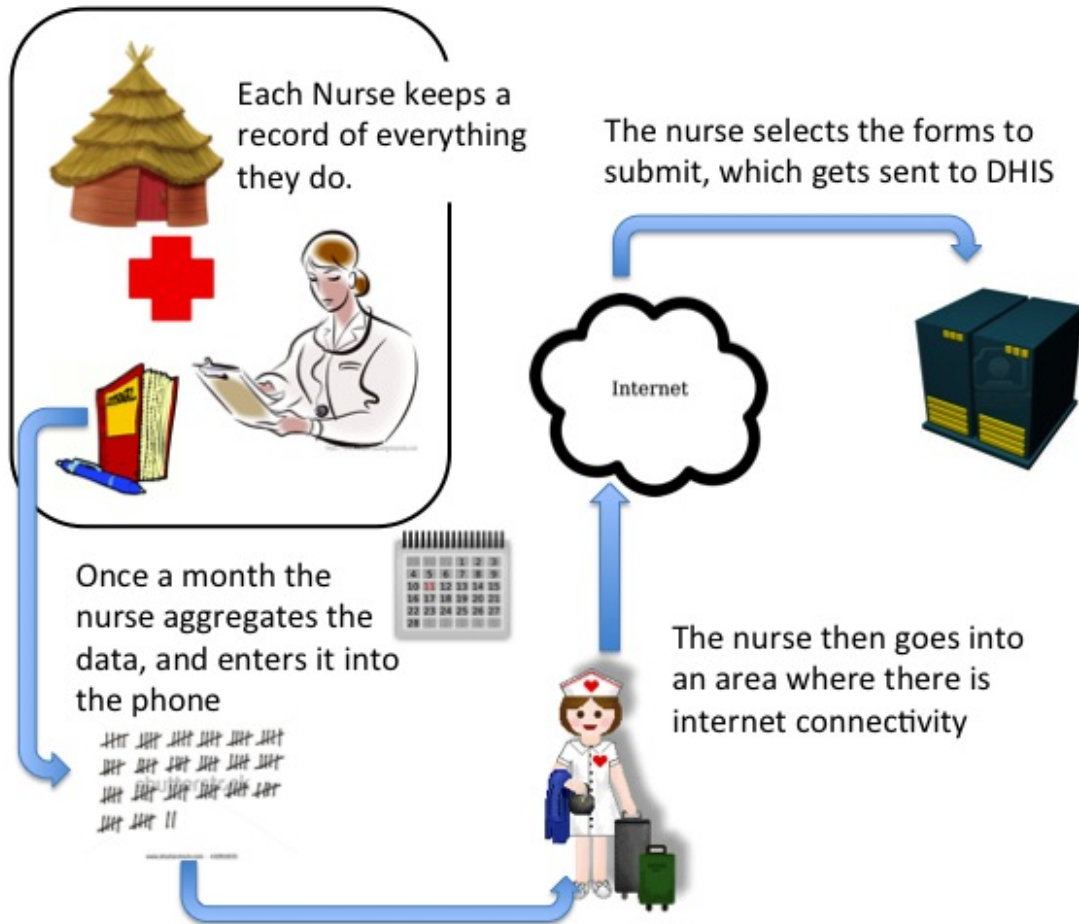
Internet

DHIS

- Open-Source
- Health Information System
  - Database designed to store and analyze health information
- Currently in use
  - Africa
    - Covers population of 300 to 400 million
  - Asia

DHIS System

- Forms
  - Organization
  - Time Period
  - Questions
  - Answers
- Data
  - Stored in Forms
  - To get answers
    - Need Form, Organization, and Time Period'
- Reports - Aggregated Data
  - Charts
  - Tables

Our System

Each Nurse keeps a record of everything they do.

The nurse selects the forms to submit, which gets sent to DHIS

Internet

Once a month the nurse aggregates the data, and enters it into the phone

The nurse then goes into an area where there is internet connectivity
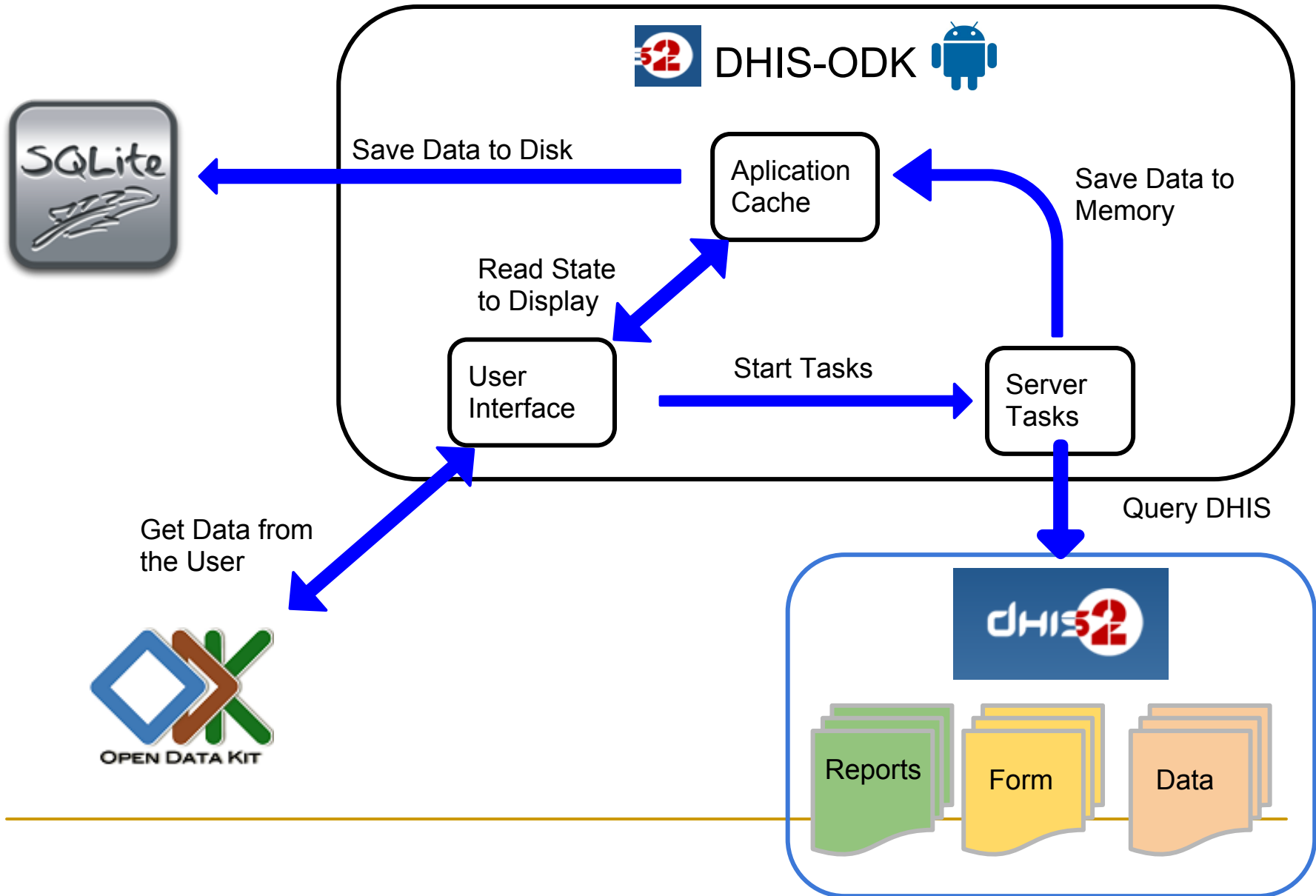
FIELDWORK

- DHIS Developers
  - Knut Staring, Morten Olav Hansen, Lars Helge Øverland
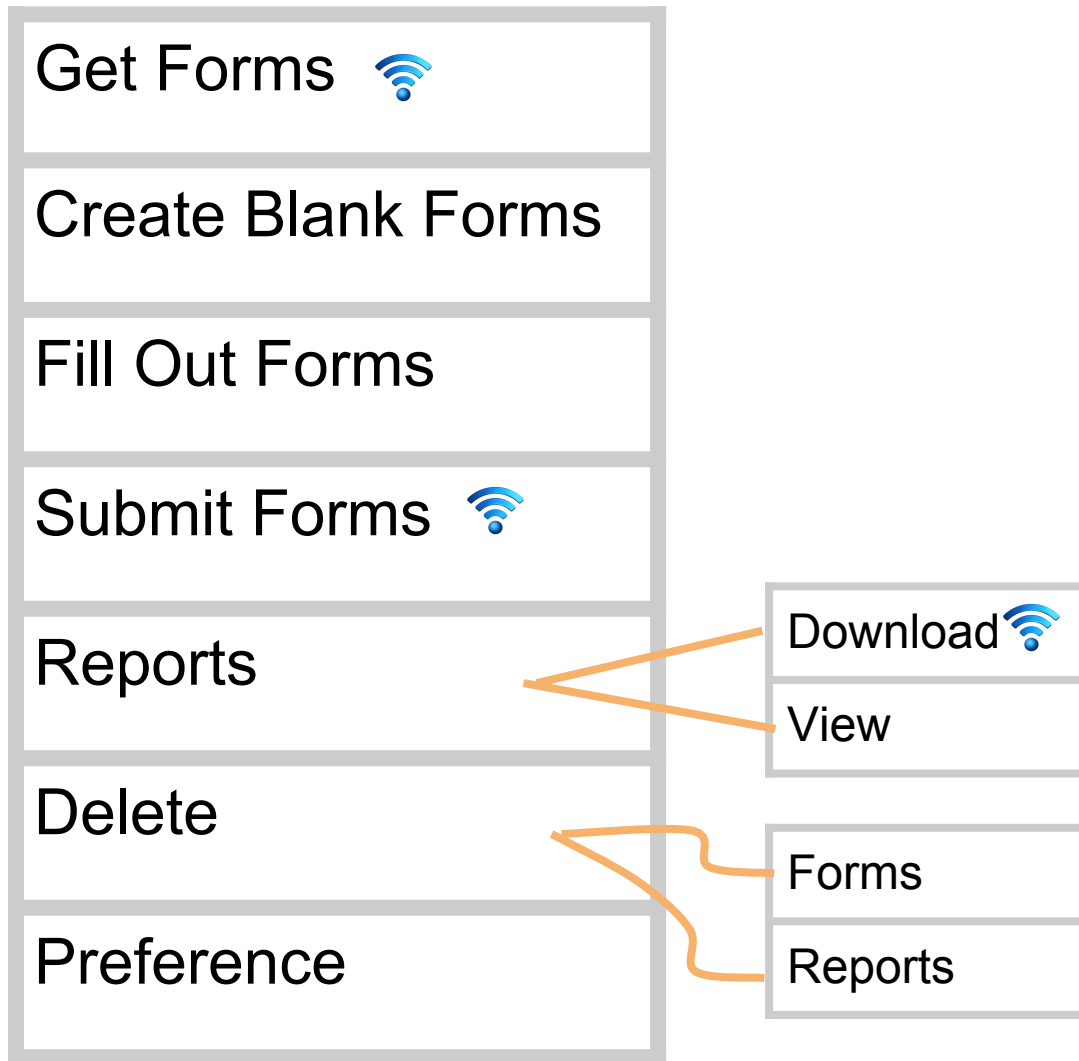 - "Client"
  - Skype Call
E-Mail

- Waylon Brunette (ODK Collect)
  - Face-to-Face Meeting
  - E-Mail
- Hillary Worden (ODK Tables)
  - Face-to-Face Meeting
  - E-Mail

OVERVIEW OF system

DHIS-ODK

Save Data to Disk

Aplication Cache

Save Data to Memory

Read State to Display

User Interface

Start Tasks

Server Tasks

Query DHIS

Get Data from the User

Reports   Form   Data

Demonstration

Get Forms 📶

Create Blank Forms

Fill Out Forms

Submit Forms 📶

Reports

Download 📶

View

Delete

Forms

Reports

Preference

Future Work

- User Interface Upgrade / Preference
- Improve Question Generation (make the questions more readable)
- Expand to include Inventory Features