DHIS-ODK

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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.
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.

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

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

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

Save Data to Disk

Aplication Cache

Server Tasks

Save Data to Memory

Get Data from the User

User Interface

Read State to Display

SQLite

DHIS-ODK

Start Tasks

Query DHIS

Reports

Form

Data
Future Work

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