Motivations

- Mobile as platform for data management
  - Available to 90% of the world population and 80% of population living in rural areas
- Mobile-to-Mobile data communication
  - Addition and query to the database through SMS/GPRS

Interactive Demo

What would you name your child?
Send SMS to 206-962-0964

1) Female Child
   • @child +n YOUR_CHILD_NAME
   • Ex) @child +n Mary
2) Male Child
   • @child YOUR_CHILD_NAME
   • Ex) @child Joe

Design & Features

- Cloud database on a smartphone
- Managing data using table model
- Transferring data through SMS

Organizing Table

Indexing

Access Control

- Read/Write groups
- Password protected
- Filters SMS additions and queries by access groups and matching passwords

Use Cases

Data Collection Only
Survey
Q: What is your favorite coffee?
A: @Coffee {Americano, Latte, Cappuccino, Mocha}

Data Collection and Dissemination

Classroom

Replacing clickers in INFO200 class (30-45 students):
• Yes/No
• Multiple Choice
• Free Answer

Market Place

Replicated a study from The Quarterly Economic Journal. The price table that fishermen can make query for prices while at sea, and market agents to update prices info.

Assign Tasks

Manager assigning tasks to workers using SMS. Workers view the tasks on ODK Tables.