



ODK:DAO

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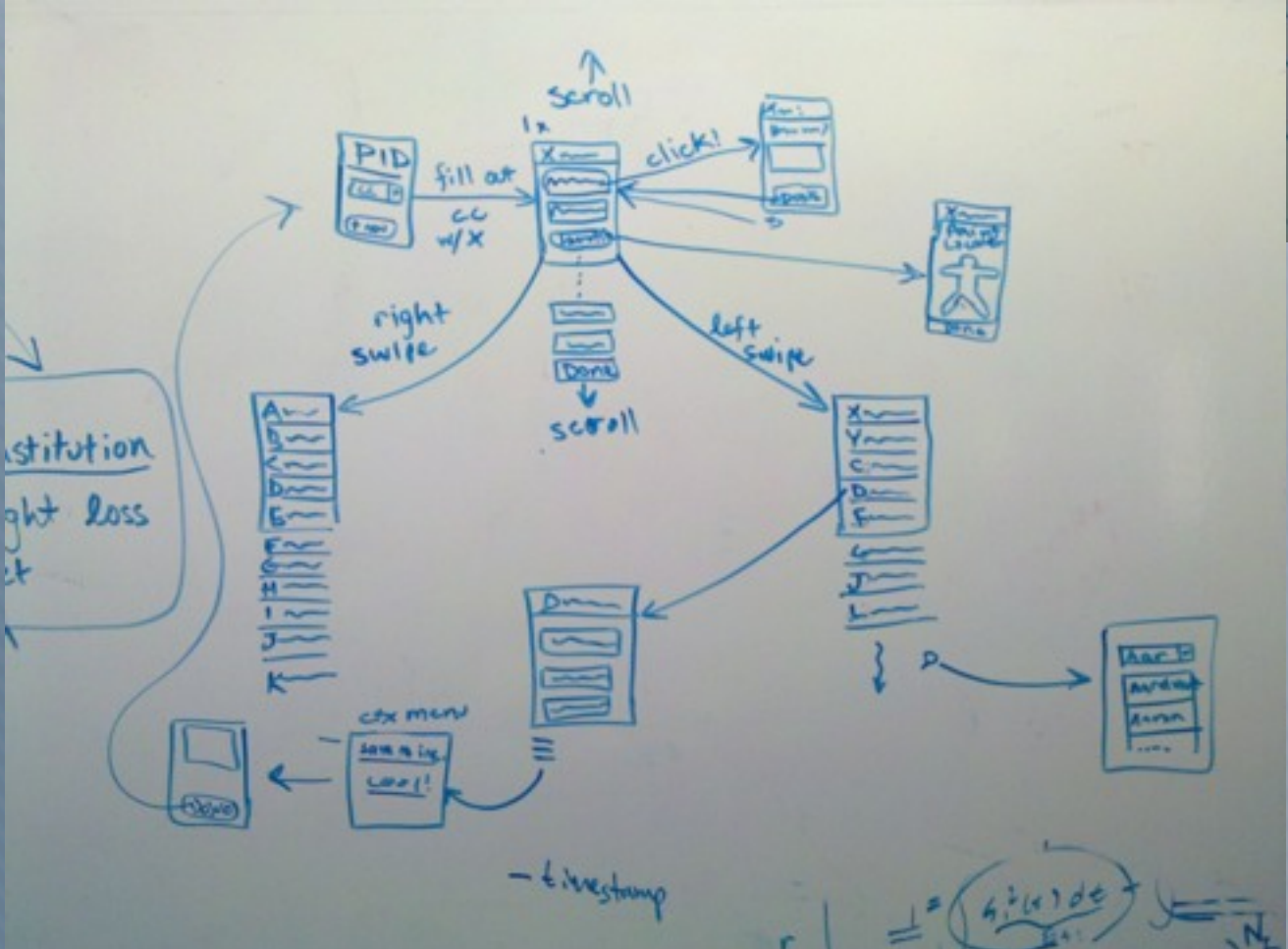
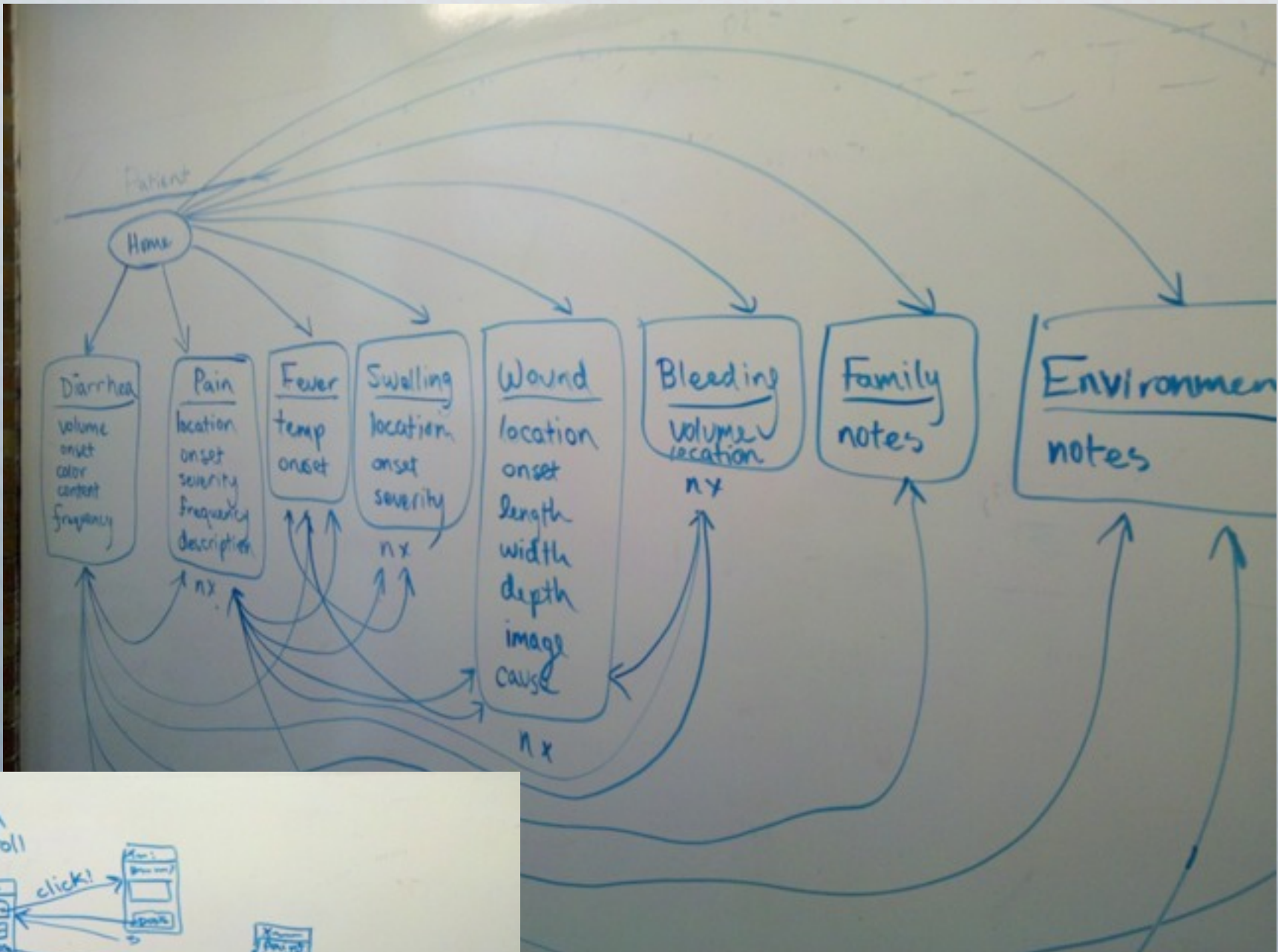


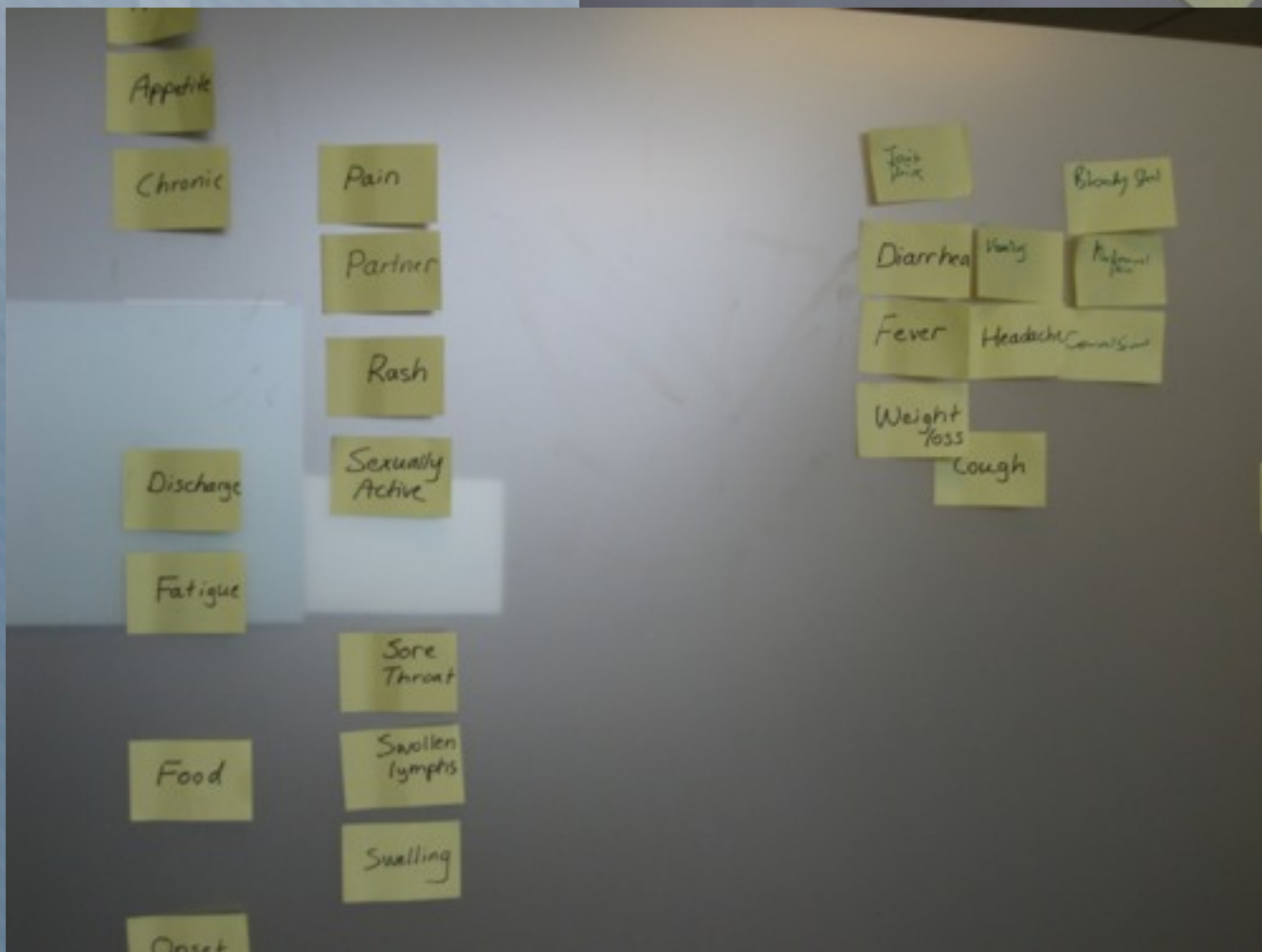
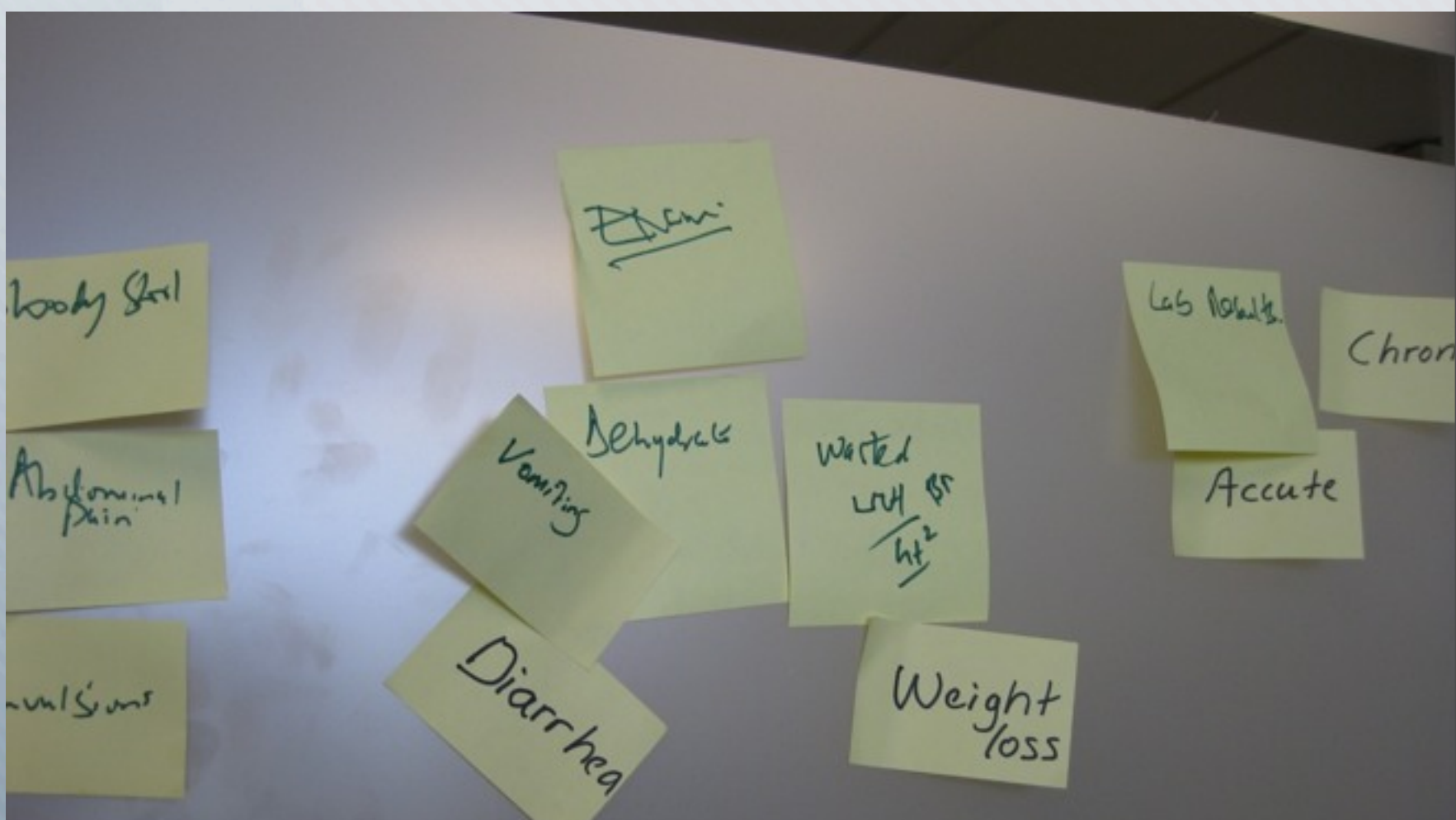
Quick Reminder of ODK:DAO

>>>

How are you building on the results from Winter 2010?

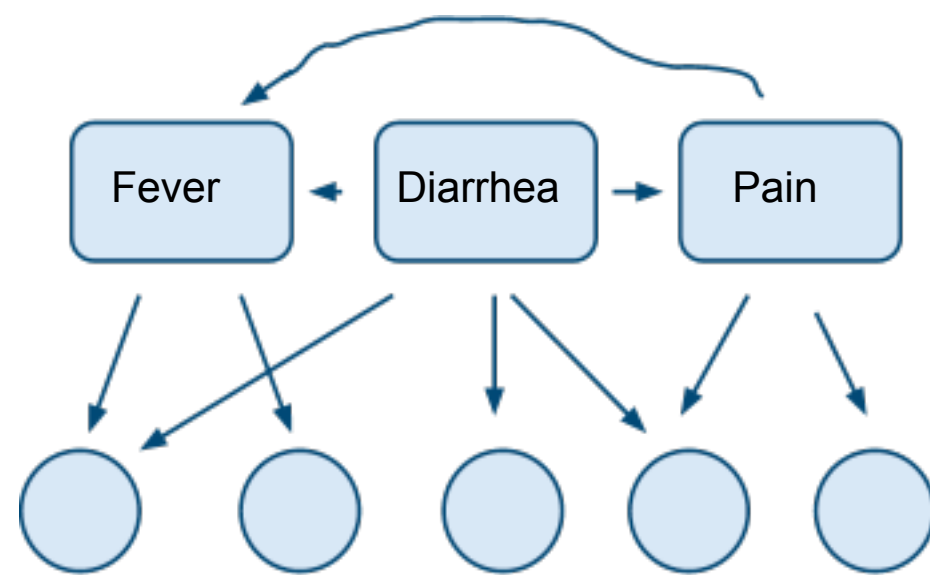
- ▶ Cont. fieldwork including interviews with doctors
 - ▶ Feedback on paper prototypes
 - ▶ Card sort for grouping and understanding diagnostic pathways
- ▶ Results and building from current fieldwork
 - ▶ Gingerbread man will not be a panacea
 - ▶ Need to build for flexible navigation paths





Quick overview of implementation plans

The main structure/architecture behind our project.



Question groups

```
<question_groups>
  <question_group title="Diarrhea" id="diarrhea">
    <question_group_links>
      <link title="Fever" target="fever" />
      <link title="Pain" target="pain" />
      <link title="Bleeding" target="bleeding" />
    </question_group_links>
    <question_links>
      <link title="Volume" target="diarrhea_volume" />
      <link title="Onset" target="diarrhea_onset" />
      <link title="Color" target="diarrhea_color" />
    </question_links>
  </question_group>
</question_groups>
```

Questions

```
<question title="Volume" id="bleeding_volume">
  <input ref="int">
    <question_title>bleeding volume</question_title>
    <question_hint>enter volume of bleeding</question_hint>
  </input>
</question>
```

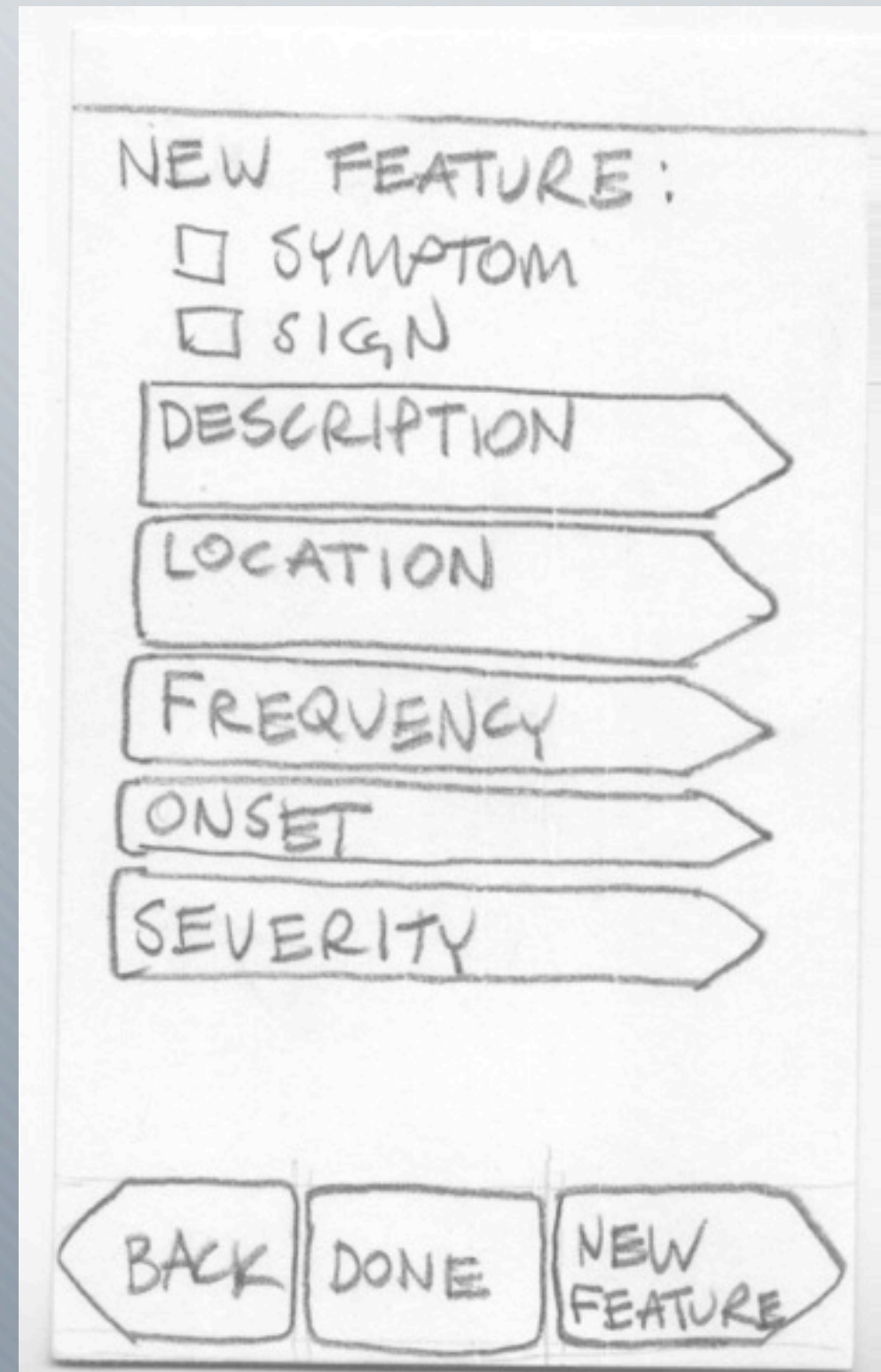
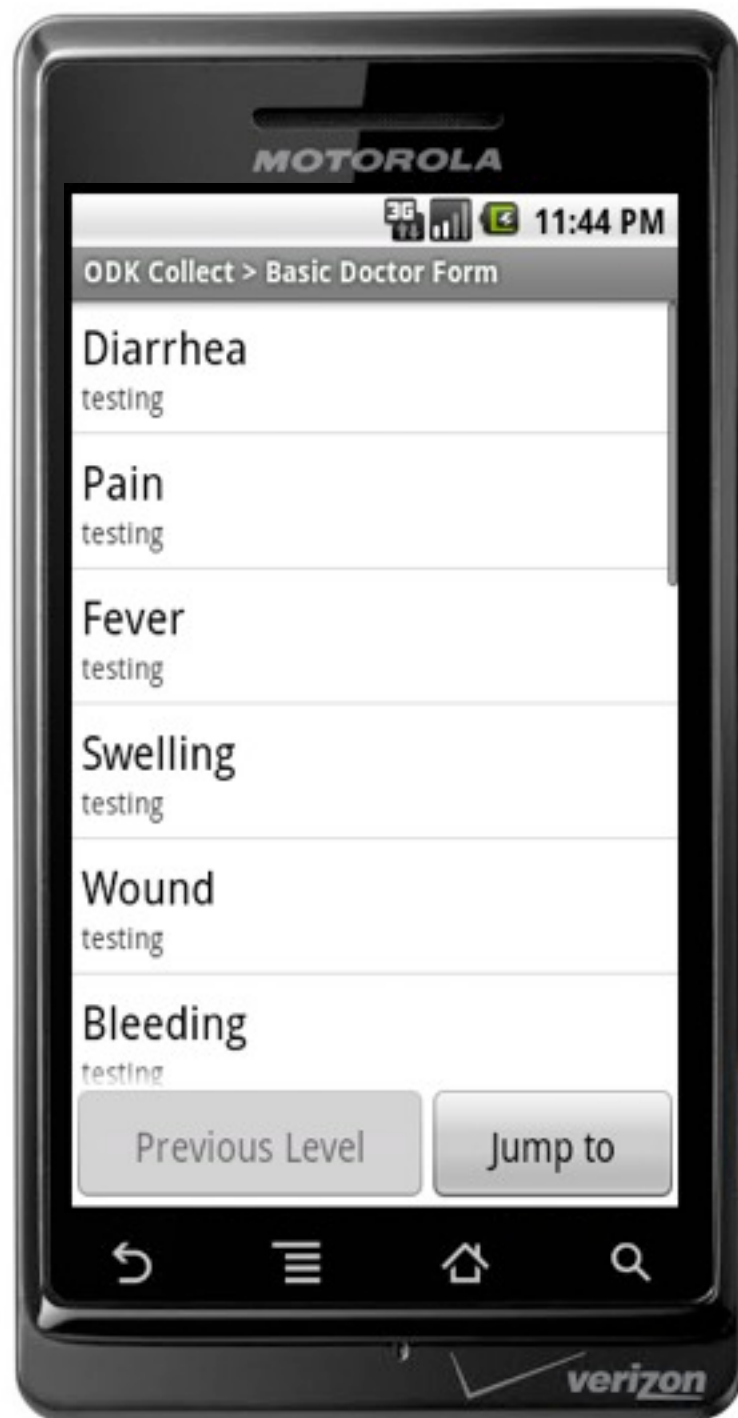

Accomplishments

- XML Parser
 - Parses our own form structure and creates our own form handler
- Graph Data Structure
 - To hold the form data in a logical way
- Jump List View
 - List of question groups to jump to, and swipe up and swipe down features implemented to scroll through question groups

Evaluation plan

- ▶ Conduct usability studies over next 2 weeks
- ▶ Target users now: doctors and medical students
- ▶ Target users for final build: doctors and mid-level health care workers in dev. world
- ▶ Measurement criteria:
 - ▶ Navigation ease and clarity
 - ▶ Perceptions of use
- ▶ Solve problem through iterative design

Prototype Demonstration





3G 2:52 AM

ODK Collect > Widgets Form

diarrhea volume
enter volume of diarrhea

1	2	3	4	5	6	7	8	9	0
@	#	\$	%	&	*	-	+	()
ALT	!	"	'	:	;	/	?	DEL	X
ABC	,	_	.	↩					

NEW FEATURE:

- SYMPTOM
- SIGN

DESCRIPTION

LOCATION

FREQUENCY

ONSET

SEVERITY

BACK DONE NEW FEATURE

What's Left

- ▶ Link to Question Groups
- ▶ Link to Questions
- ▶ Rendering Question Groups and Questions
- ▶ Carefully replacing (parts of) JavaRosa
- ▶ Solution: Devs work in pairs, meet as necessary. Avoid hacks if possible. Communicate changes to other members.

Timeline

- 5/4 - Devs done with prototype (fully working, on phone)
- 5/5 - Start usability testing / Feedback
- 5/11 - Results from testing / Update Devs
- 5/12 - Start implementing feedbacks
- 5/18 - Last rounds of testing / Feedback
- 5/25 - Final Presentations (to Ruth and Beth, Feedback)
- 6/1 - Final Group Meeting
- Finals Week - Poster Session

Questions?

If you're at a loss ask us these...

- What happened to the Ginger Bread man?
- What are the main things we've learned from our latest fieldwork?
- How can this be reincorporated with ODK?