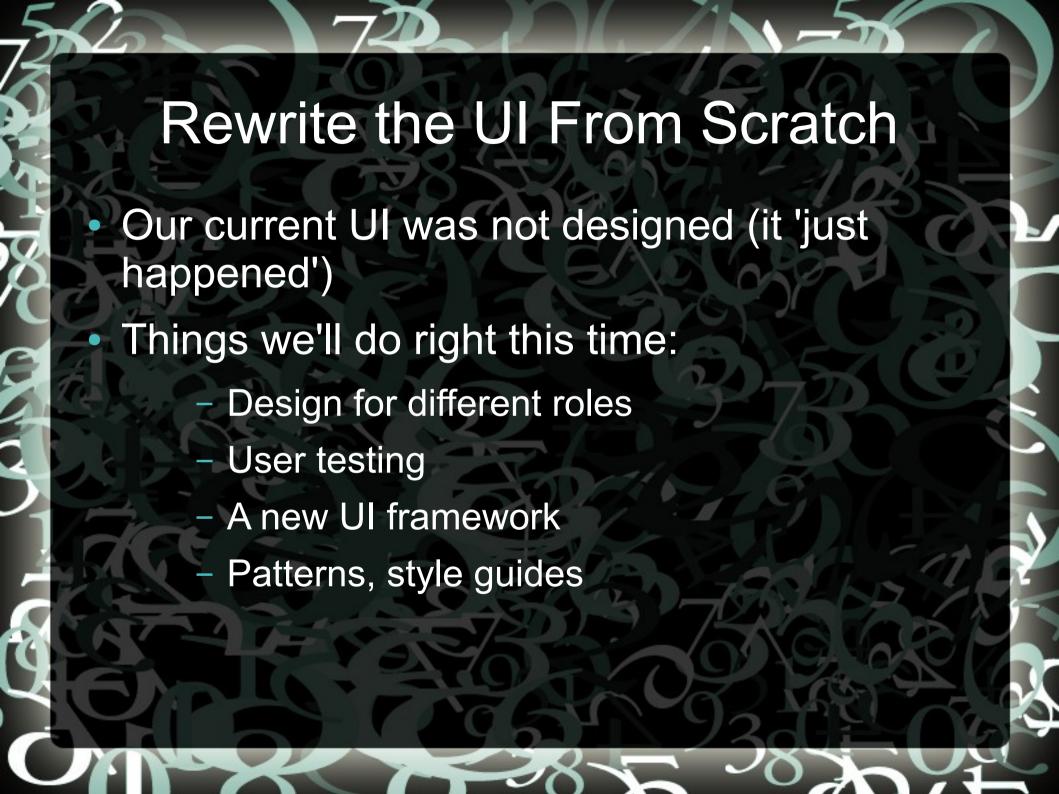


Goals Build a cool and effective user interface Easy to program But also flexible Role-based Can be reconfigured by the implementer Modules can override behavior Configurable by the end-user (maybe in 3.0)



UI Framework Needs (for devs) Dynamic role-based handling of page requests

- Easy to build pages out of a common library of useful components
 - Reuse these components in modules
 - Reuse them for completely new UIs
- Good patterns that are easy to copy

Dynamic Page Handling

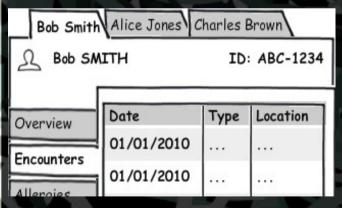
- Dynamic page request handler that determines what page to display to user
- Based on Role, User preferences, etc.
- The administrator maps what page different roles see for homepage, patient page, etc.
- Core will provide good default pages for standard roles, but administrators can create their own pages (a la Google homepage or JIRA dashboards)
- Eventually let end-users customize pages

Dynamic Page Handling

https://xyz.org/patient.page?patientId=123

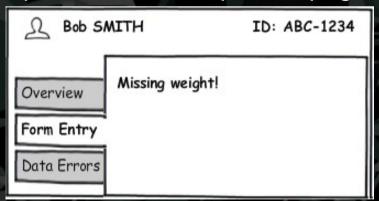
If your role is 'Clinician'

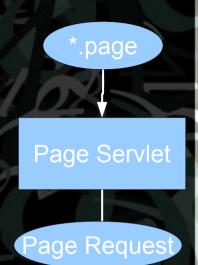
clinician-patient-page



If your role is 'Data Clerk'

pihrwanda-clerk-patient-page





Page Factory

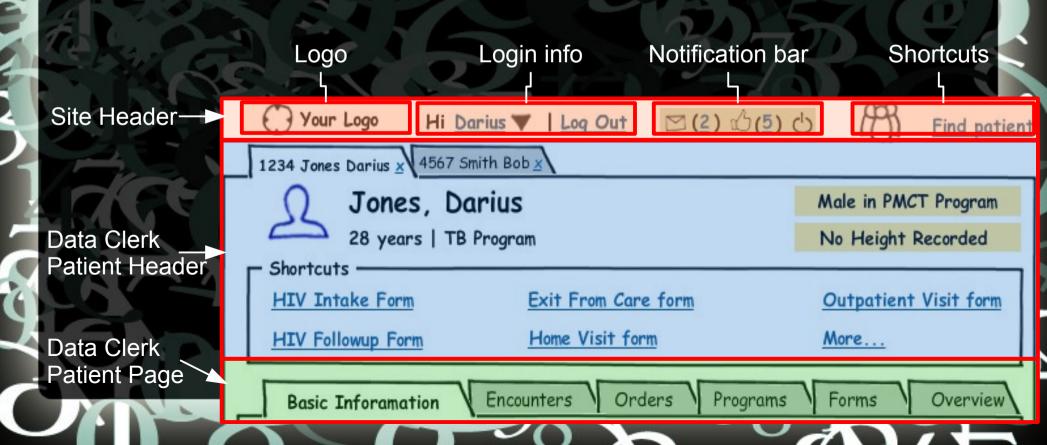
Implementer configuration

Page Provider

Page



 Pages are composed of Page Fragments (which may be recursively composed of other Page Fragments)



Page Fragments

- Recursively composed
- Page Fragments from multiple sources
 - OpenMRS Core
 - Modules
 - User-created (in DB, like HTML Forms)

Tab One

Vertical tabs

(OpenMRS core)

More...

(Data Entry Statistics module)						
When	Patients Created	Forms Entered				
Today	3	15				
Last 7 days	16	72				



An Example Page Fragment

Encounter List

Default usage on a patient page

Also usable on the home page

Encounters			
Date	Туре	Location	Provider
01/Sep/2010	TB Followup	Cange PTJW	Jean Toussaint
02/Aug/2010	TB Followup	Cange PTJW	Jean Toussaint
01/Jul/2010	TB Intake	Cange PTJW	Jean Toussaint

Today's Encounters							
Patient	Date	Туре	Location	Provider			
Alice Marie	today 07:15	TB Followup	Cange PTJW	Jean Toussaint			
Bob Smith	today 07:32	TB Followup	Cange PTJW	Jean Toussaint			
Claire Fleur	today 07:41	TB Intake	Cange PTJW	Jean Toussaint			

<fragment name="encounter-list"/>

PS- you should be able to compose page fragments without really programming

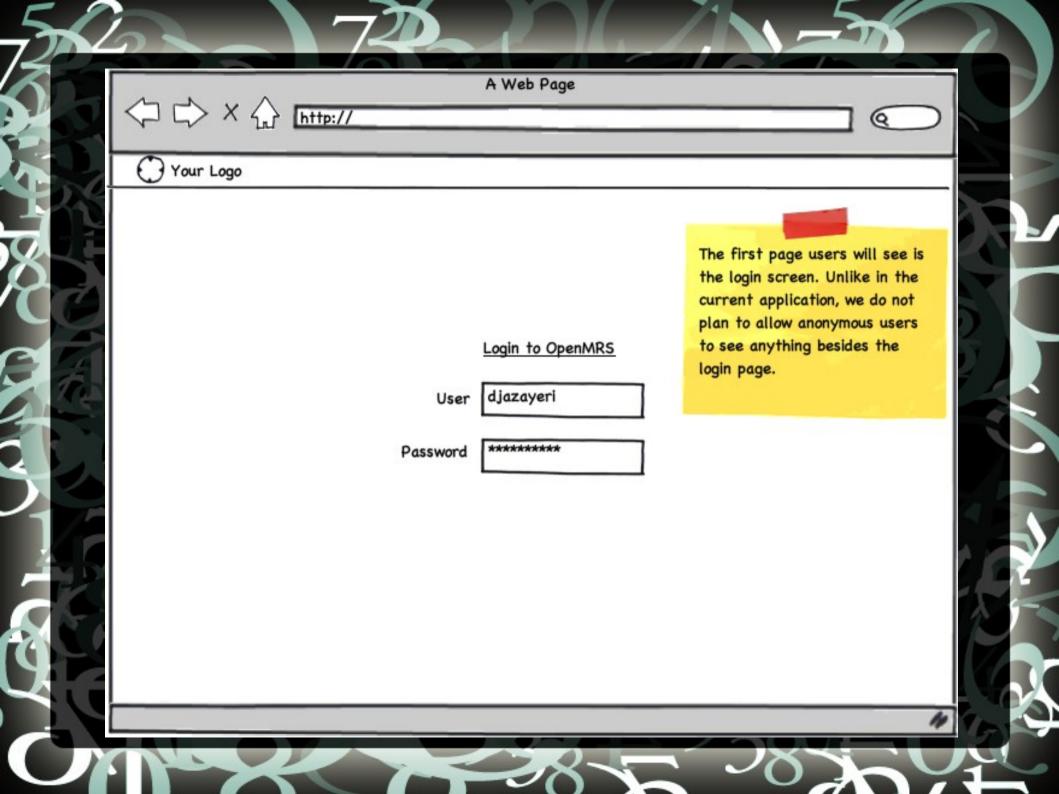
<fragment view="encounter-list"
 controller="todays-encounters"
 title="Today's Encounters"
 showPatientColumn="true"/>

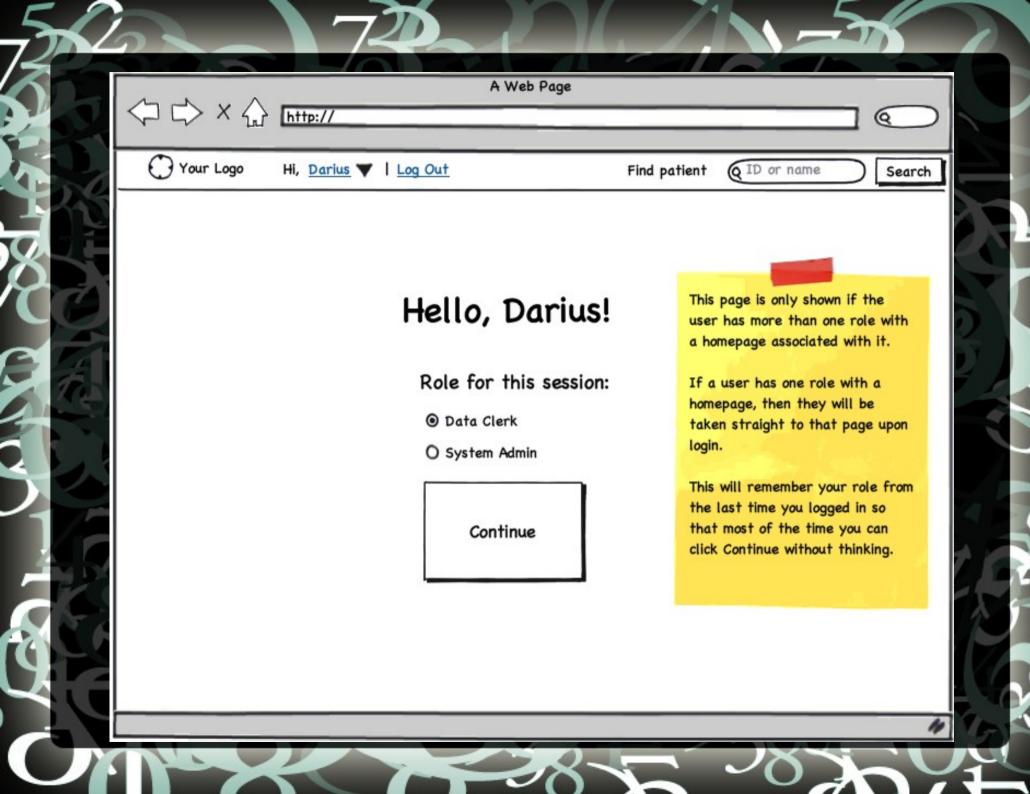
Good Patterns, Easy to Copy

- If it's easy to do things right, people will do them right.
- Provide consistent formatting of domain objects
- Provide reusable CSS
- Provide reusable Javascript functions
- Provide good examples of how to use these
- Provide a style guide

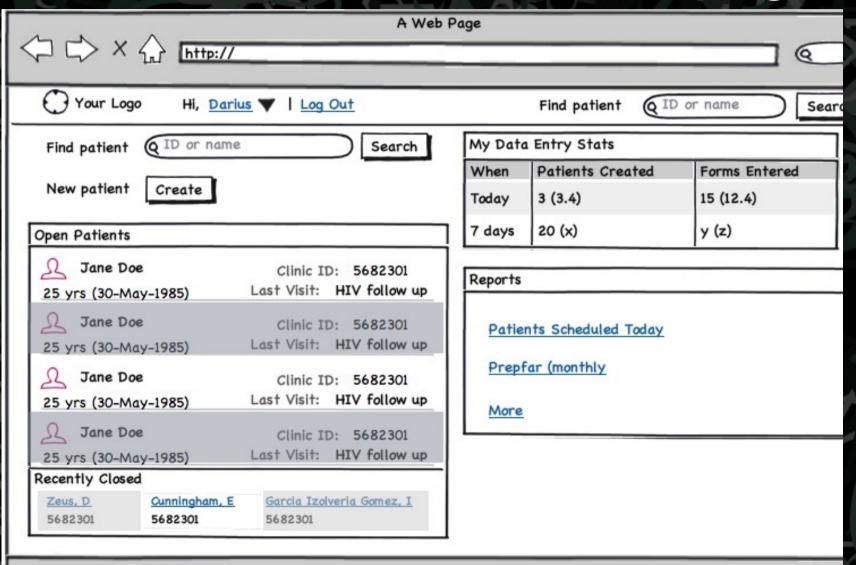
And now, for Implementers...

- These are very preliminary mockups
 - Many thanks to intern Emily Cunningham
- Everything is subject to massive changes (after your feedback, user testing, etc)
- Important to design pages and flows before anyone sits down to program them
 - Ask any programmer here if they'd prefer to think about UI themself, or if they'd prefer for you to them exactly what to build :-)
- I need your help

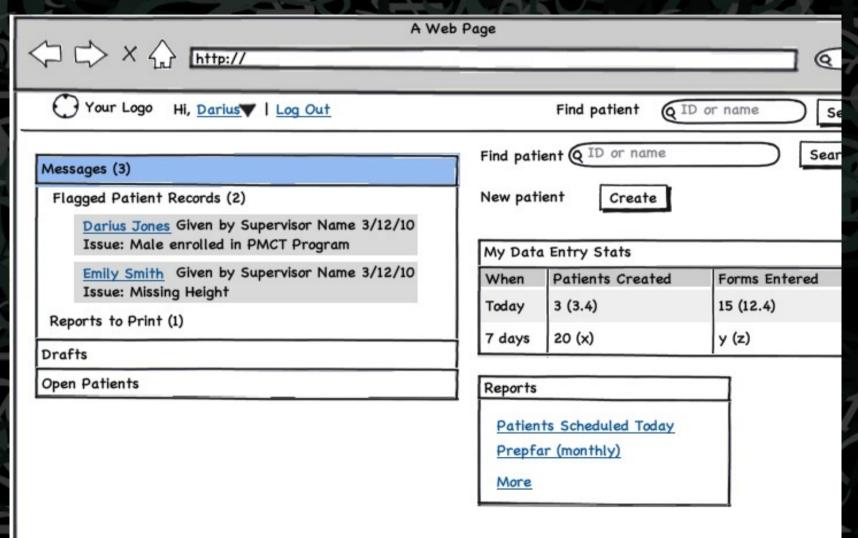




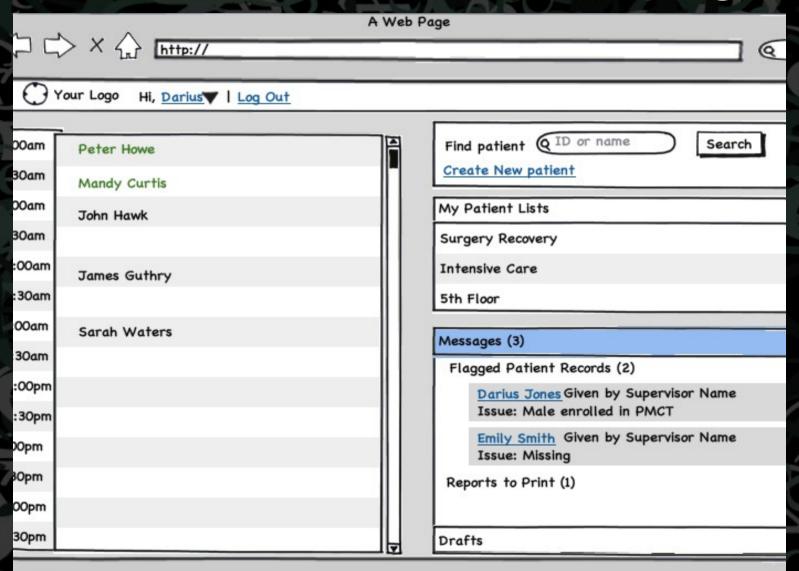
Possible Data Clerk Homepage



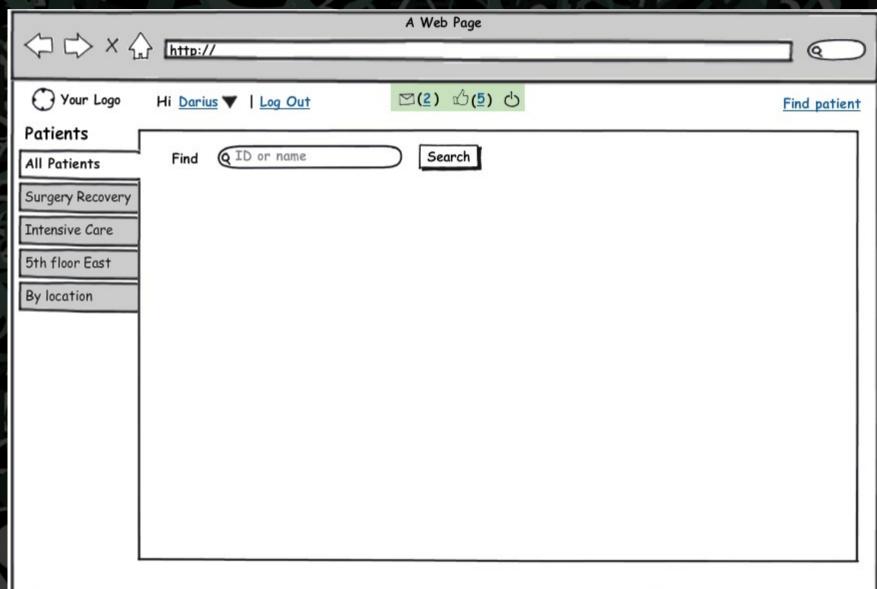
Possible Data Clerk Homepage



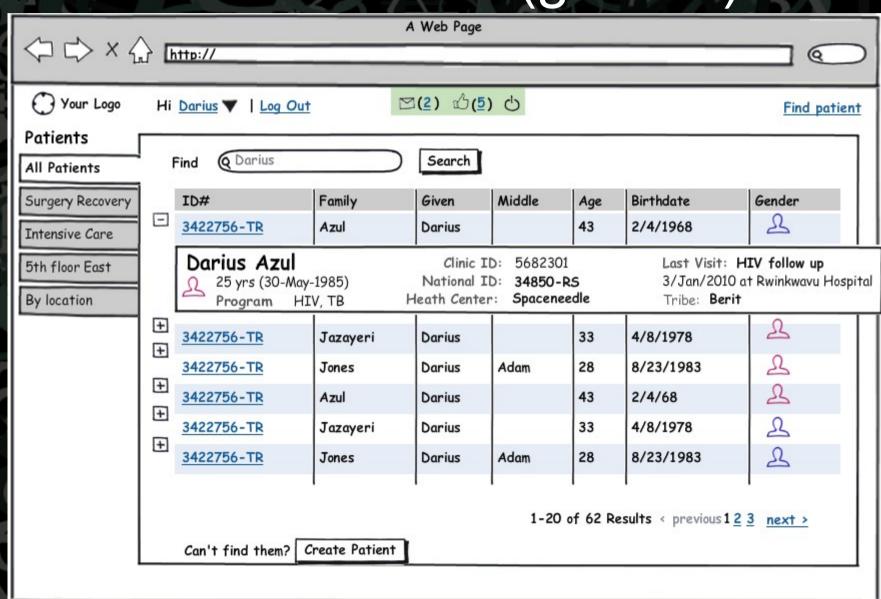
Possible Clinician Homepage



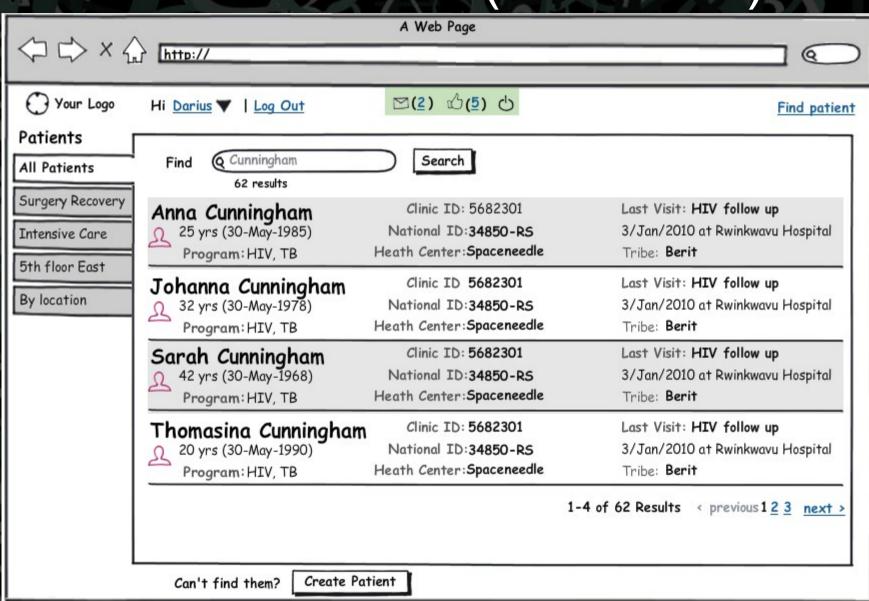
Find a Patient



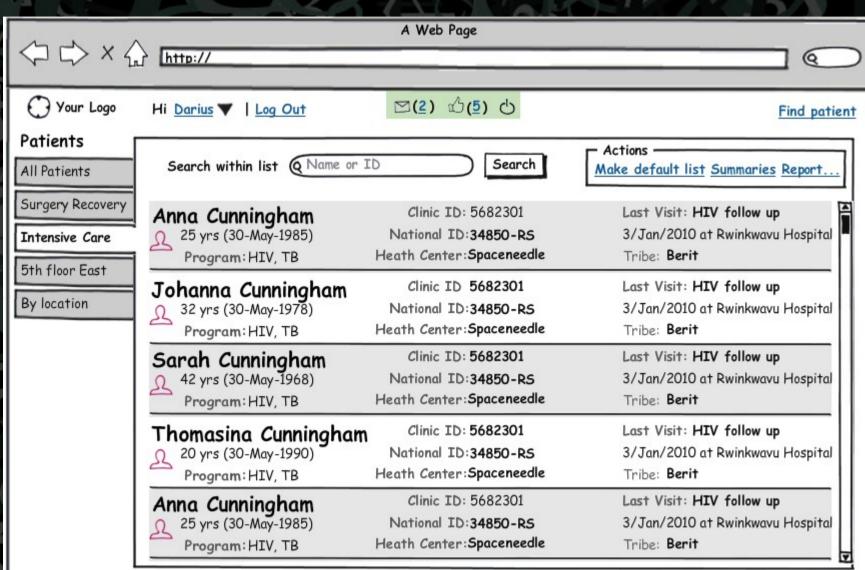
Find a Patient (grid +/-)



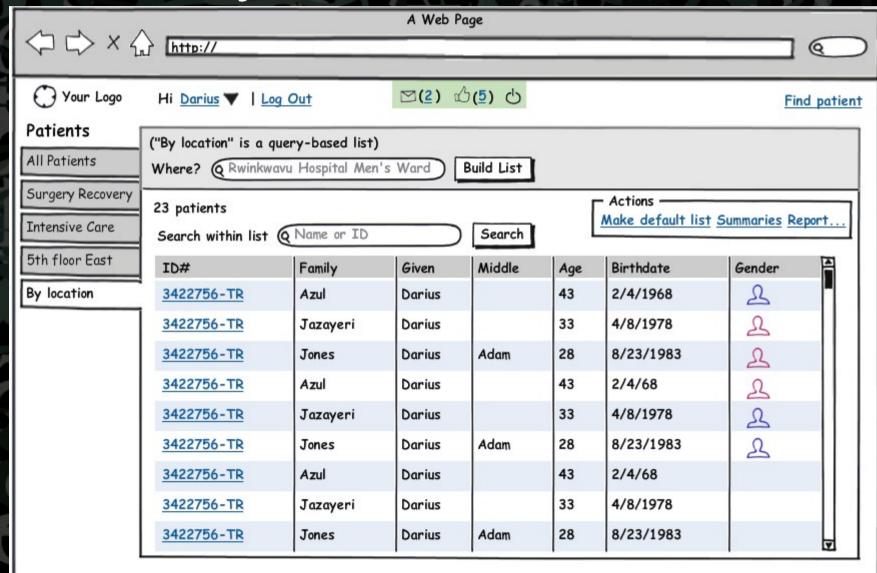
Find a Patient (more info)



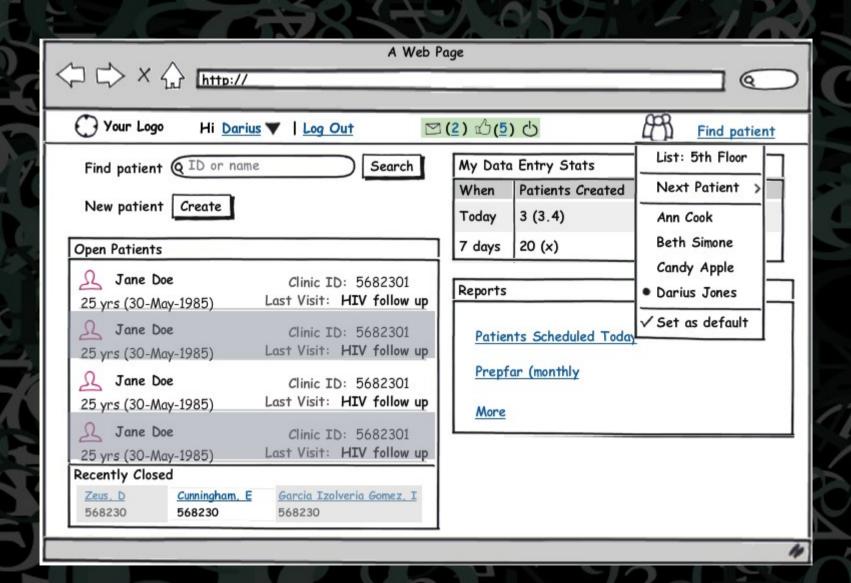
Patient Lists



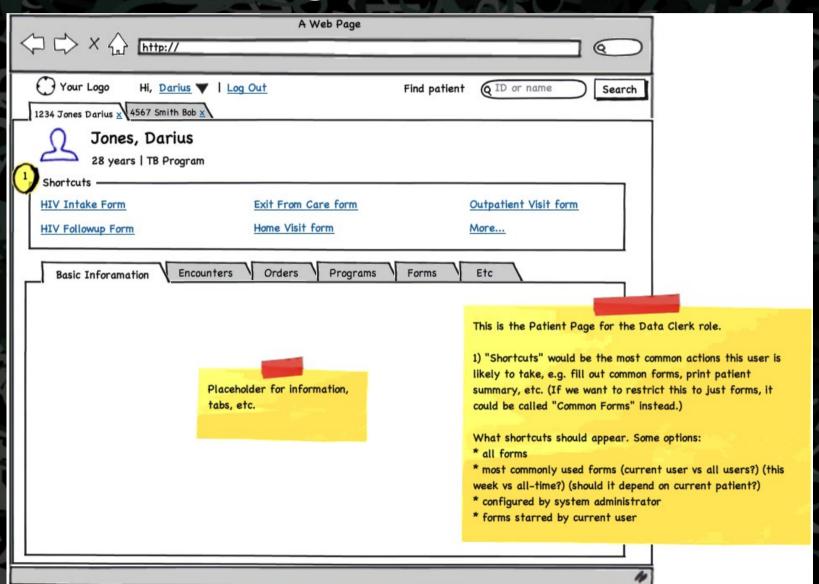
'Query-based' Patient Lists

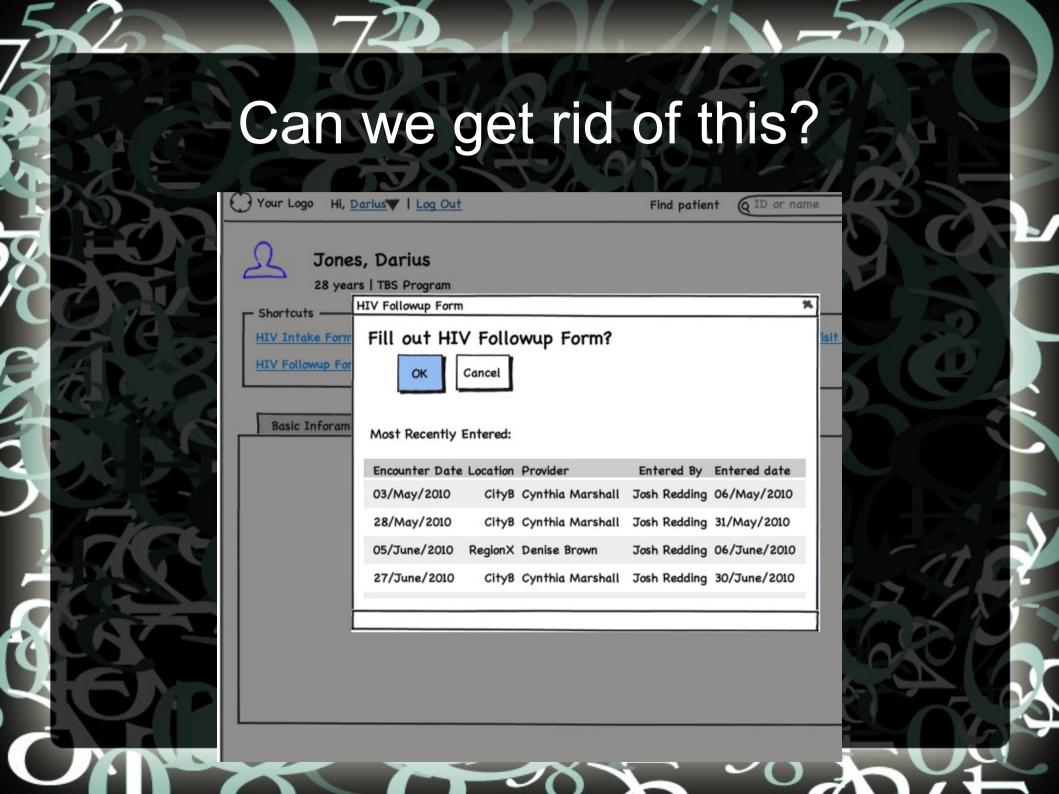


Your Default List

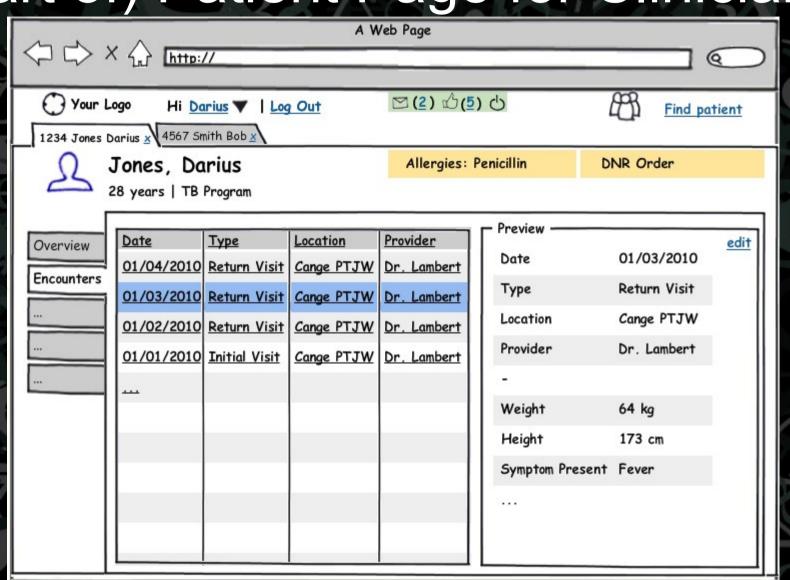


Patient Page for Data Clerks

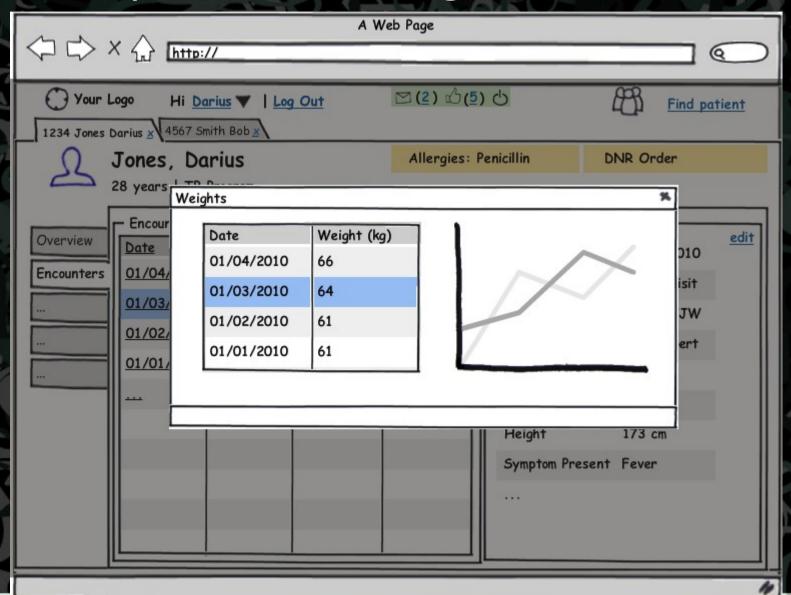




(Part of) Patient Page for Clinicians



(Part of) Patient Page for Clinicians



You!

- What do you really need out of the box in 2.0?
 - Does a clinician-facing interface matter?
 - Is a program-manager dashboard important?

- Remember how I said I need your help?
 - Need your opinions and use cases
 - Can we use your teams for user testing?
 - And there are many more screens to design!

