

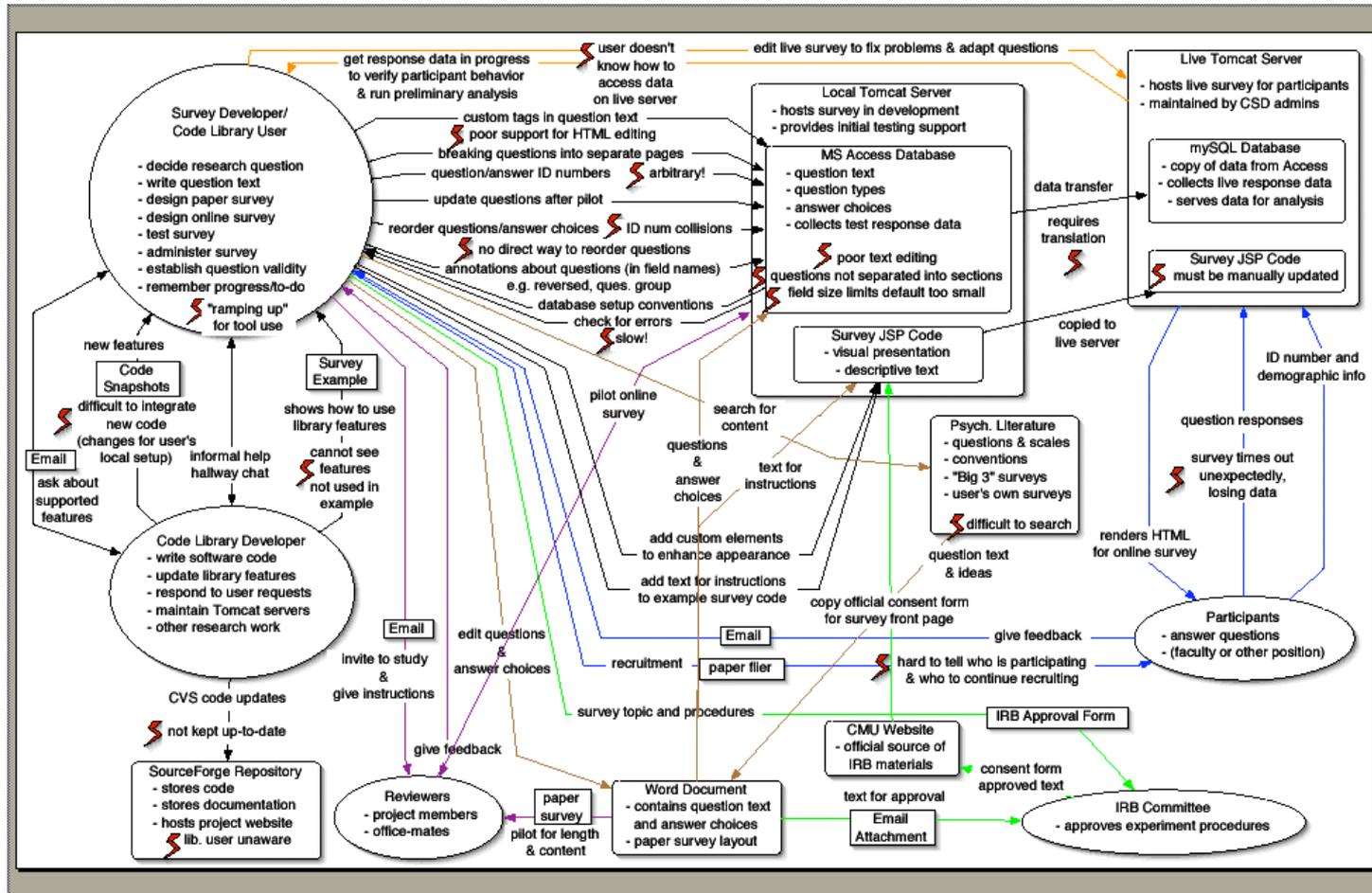
Web Survey Tool

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Accomplishments from last week

1. Reviewed videotape footage from CI #2
2. Developed work models
3. Reviewed survey standards literature

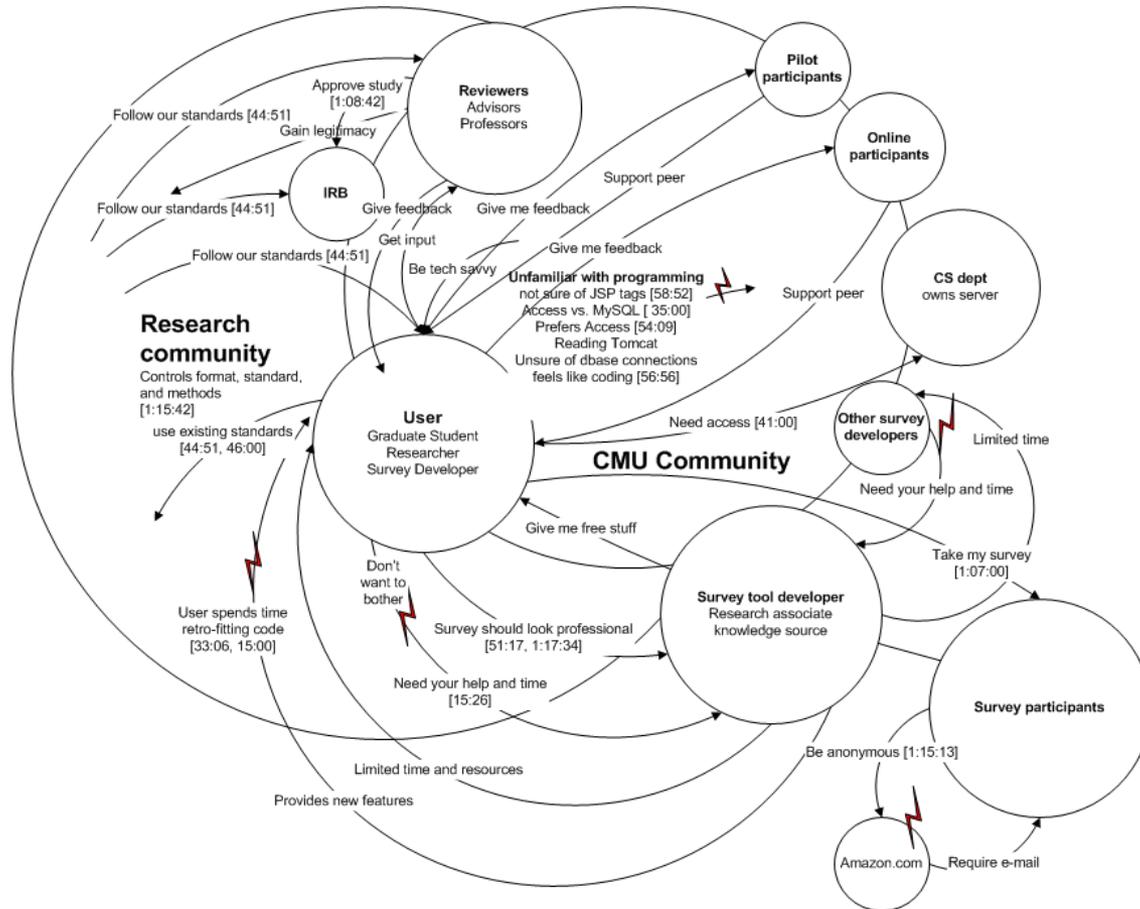
Web Survey Tool: Flow



Web Survey Tool: Sequence

Communicate with Developer	Trigger <i>A required feature is missing from the web survey system</i>	
	Emails feature request to Developer	29:00
	Developer emails updated code when feature is implemented (✗ Breakdown: often doesn't understand process for retrofitting survey system with updated code; process isn't standardized)	33:00
	✗ Breakdown: tutorial/training sessions with Developer were confusing	57:15
Test the web survey	Pilot online survey with people from user's research group (on user's laptop 39:45)	34:00
	Do cognitive walkthrough with some users	34:10
	Write down survey taker's thoughts and comments as they are taking the survey	34:20
	"Tweak" question wording based on user responses	34:30

Web Survey Tool: Cultural



Cultural Model

Web Survey Tool: Artifact, ctd.

Microsoft Access - U1 uses a MySQL <=> Access database converter

This is table has questions, there are also ones for answer choices and for results. There is an entire 2nd database to store email addresses

Most of U1's technical development time is used up by difficulties in using Access

When U1 changes question order, she also has to edit jsp pages also, when she is distributing a paper pilot, she makes changes in both Word and Access doing the same thing

Questions : Table

questionID	question	en	typeOfQuestion	dbField	typeOfA
1	You're almost done!!		Title		
2	Entry order has nothing to do with actual question order				
3					
4					
5	Are you associated with the RADAR / EPCA project?		RadioButton	IsRADARperson	string
6	We are looking for subjects to participate in a follow-up study more closely examinir		RadioButton	followUpStudy	string
7	Job Related Questions		Title		
8	 The following questions relate to specific characteristics of your job. Pleas		Title		
9	What is your official job title as given by the university or school?		Text	jobTitle	
10	What is your professional field?		Text	jobField	
11			HorizontalRadio		
12	How many people report directly to you?		RadioButton	jobNumPeopleReportToYou	string
13	To how many people do you directly report?		RadioButton	jobNumPeopleYouReportTo	string
14	How many people do you work closely with on a regular basis (either in person or ov		RadioButton	jobNumCoWorkers	string
15	How many regularly scheduled weekly meetings do you attend?		RadioButton	jobNumWeeklyMeetings	string
16	If you are involved with administration, how many committee meetings do y		RadioButton	jobNumCommitteeMeetings	string
17	If you are involved with research, how many research grants are contributi		RadioButton	jobNumResearchGrants	string
18	If you are involved with teaching, how many academic courses do you teach		RadioButton	jobNumCourses	string
19			RadioButton	appleReplyIconMeaning	string
20			RadioButton	appleReplyAllIconMeaning	string
21			RadioButton	mulberryReplyIconMeaning	string
22			RadioButton	mulberrySend2IconMeaning	string
23			RadioButton	mulberryForwardIconMeaning	string
24			RadioButton	appleForwardIconMeaning	string
25			RadioButton	mozillaForwardIconMeaning	string
26			RadioButton	appleBounceIconMeaning	string
27			RadioButton	mulberryBounceIconMeaning	string
28	<img align='right' border='0' src='http://www.cs.cmu.edu/~dabbish/pictures/progress		Title		
29	WORK: For how many hours per day do you use each of the following forms of com		Title		
30			HorizontalRadio		

Record: 14 of 257

The question text

U1 makes a prefix to group related questions categorically

Access interface does not allow U1 to see an entire question at a glance, and to edit a non-visible part requires tricky manipulation

U1 copies the old survey to create the new one, and she never adds rows or columns. This results in lots of empty rows here, or in other cases she ends up out of room

U1 uses hypertext in her questions, Access doesn't assist

Impossible to see all relevant data for one question entry at one glance

Huge database is difficult to scroll through - separating by actual survey pages would be more efficient

U1 makes a prefix to group related questions categorically

Web Survey Tool: Next Steps

Tasks for next week

1. Schedule follow-up with U2
2. Develop design ideas from work models