Project 4:
Search Widgets

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AGENDA

I. WORK ACCOMPLISHED TO DATE
II. INSIGHTS / FINDINGS
III. PROBLEMS TO BE ADDRESSED
IV. PROBLEMS ENCOUNTERED
V. DECISIONS
VI. UPDATED SCHEDULE

I. WORK ACCOMPLISHED TO DATE

- Interviews
- Surveys
- Usability Tests
- Initial Analysis

SURVEYS

Format
- 2 Tasks
- 10 Questions

Task 1 - Specific Search
- Please visit http://www.library.uiuc.edu/ then find the following nursing book:

    * High-Acuity Nursing by Kathleen Dorman Wagner

    Please spend no more than 5 minutes for this task.

Task 2 - Broad Search
- Visit http://www.library.uiuc.edu/ again then find a current nursing article that meets all of the following criteria:

    * Type: Journal Article
    * Subject: Nursing Related
    * Year: Published in 2008+

    Please spend no more than 10 minutes for this task.

SURVEYS

Screenshot

2. UC Irvine Search Survey - Task 1of2

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Instructions:
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Task 1. Specific Search

Please visit http://uci.worldcat.org/ then find the following nursing book:

* High-Acuity Nursing by Kathleen Dorman Wagner

Please spend no more than 5 minutes for this task.

1. I could easily complete my first task.

  ○ Strongly disagree   ○ Disagree   ○ Neither agree nor disagree   ○ Agree   ○ Strongly Agree

If you disagree then why?

[text box]

2. I quickly completed my first task.

  ○ Strongly disagree   ○ Disagree   ○ Neither agree nor disagree   ○ Agree   ○ Strongly Agree

If you disagree then why?

[text box]

3. The Advanced Search Feature was useful for the first task.

  ○ Strongly disagree   ○ Disagree   ○ Neither agree nor disagree   ○ Agree   ○ Strongly Agree

if you disagree then why?

[text box]

[Prev] [Next]

SURVEYS

Data Collection

Google Docs

Informatics SpreadSheet Data

File   Edit   View   Format   Insert   Tools   Form   Help

Easily Complete first task	UCI(Grad+UGrad)	UCSF(Grad+UGrad)	Illinois(Grad+UGrad)		Easily Complete first task	UCI(Grad)	UCSF(Grad)	Illinois(Grad)		Easily Complete first task	UCI(UGrad)	UCSF(UGrad)	Illinois(UGrad)
Strongly Disagree	0	4	3		Strongly Disagree		1	1		Strongly Disagree		3	2
Disagree	0		1		Disagree					Disagree			1
Neither	0		1		Neither			1		Neither			
Agree	3	2	4		Agree					Agree	2	2	4
Strongly Agree	4	1	1		Strongly Agree	1				Strongly Agree	3	1	1
Quickly Complete First Task					Quickly Complete First Task					Quickly Complete First Task			
Strongly Disagree	0	3	4		Strongly Disagree		1	1		Strongly Disagree		2	3
Disagree	0	1	0		Disagree					Disagree		1	
Neither	0	1	2		Neither			1		Neither		1	1
Agree	2		3		Agree					Agree	1		3
Strongly Agree	5	2	1		Strongly Agree	1				Strongly Agree	4	2	1
Advance Feature first task					Advance Feature first task					Advance Feature helpful first task			
Strongly Disagree	0	3	3		Strongly Disagree					Strongly Disagree		3	4
Disagree	0		1		Disagree			1		Disagree			
Neither	2	2	4		Neither	1	1	1		Neither		2	3
Agree	2	1	0		Agree					Agree	2	1	
Strongly Agree	3		2		Strongly Agree					Strongly Agree	3		1
Task 2 Article Name					Task 2 Article Name					Task 2 Article Name			
(answered : Total)	100%		0.14		(answered : Total)	100%	1	0		(answered : Total)	100% 1+0+1+1+0+1		0.1
Quickly Complete Second Task					Quickly Complete Second Task					Quickly Complete Second Task			
Strongly Disagree	1		5		Strongly Disagree			1		Strongly Disagree		2	4
Disagree	0		0		Disagree					Disagree		1	
Neither	0		2		Neither			1		Neither			1
Agree	3		0		Agree	1				Agree	2	1	
Strongly Agree	2		0		Strongly Agree			1		Strongly Agree	2	2	
Used Advanced for Task 2					Used Advanced for Task 2					Used Advanced for Task 2			
Strongly Disagree		3	3		Strongly Disagree			1		Strongly Disagree		3	3
Disagree		1	2		Disagree			1		Disagree		1	1
Neither		1	2		Neither		1	1		Neither			1
Agree	2	1	0		Agree					Agree	2	1	
Strongly Agree	4	1	0		Strongly Agree	1				Strongly Agree	3	1	

II. INSIGHTS / FINDINGS

Quantitative Data
- 27 UCI participants
  - 20 completed
  - 7 of 13 completed Illinois survey
  - 5 Grad students

- Frequency of Use for Library Websites
  - Avg = Once a month (Grad + UGrad)

- Advanced Search Feature
  - UCI - both tasks
  - UCSF & Illinois - not used for either tasks

- Overall Ease of Use
  - Best = UCI
  - Decent = UCSF
  - Worst = Illinois

II. INSIGHTS / FINDINGS

Qualitative Data
- Results page
  - Specific VS categorized
  - Detailed VS simple
    - Less Branching

- Search page
  - Instant search preferred
  - UCI page = best
    - Filters
    - Immediate results

II. INSIGHTS / FINDINGS

UCI - Overall Ease of Use
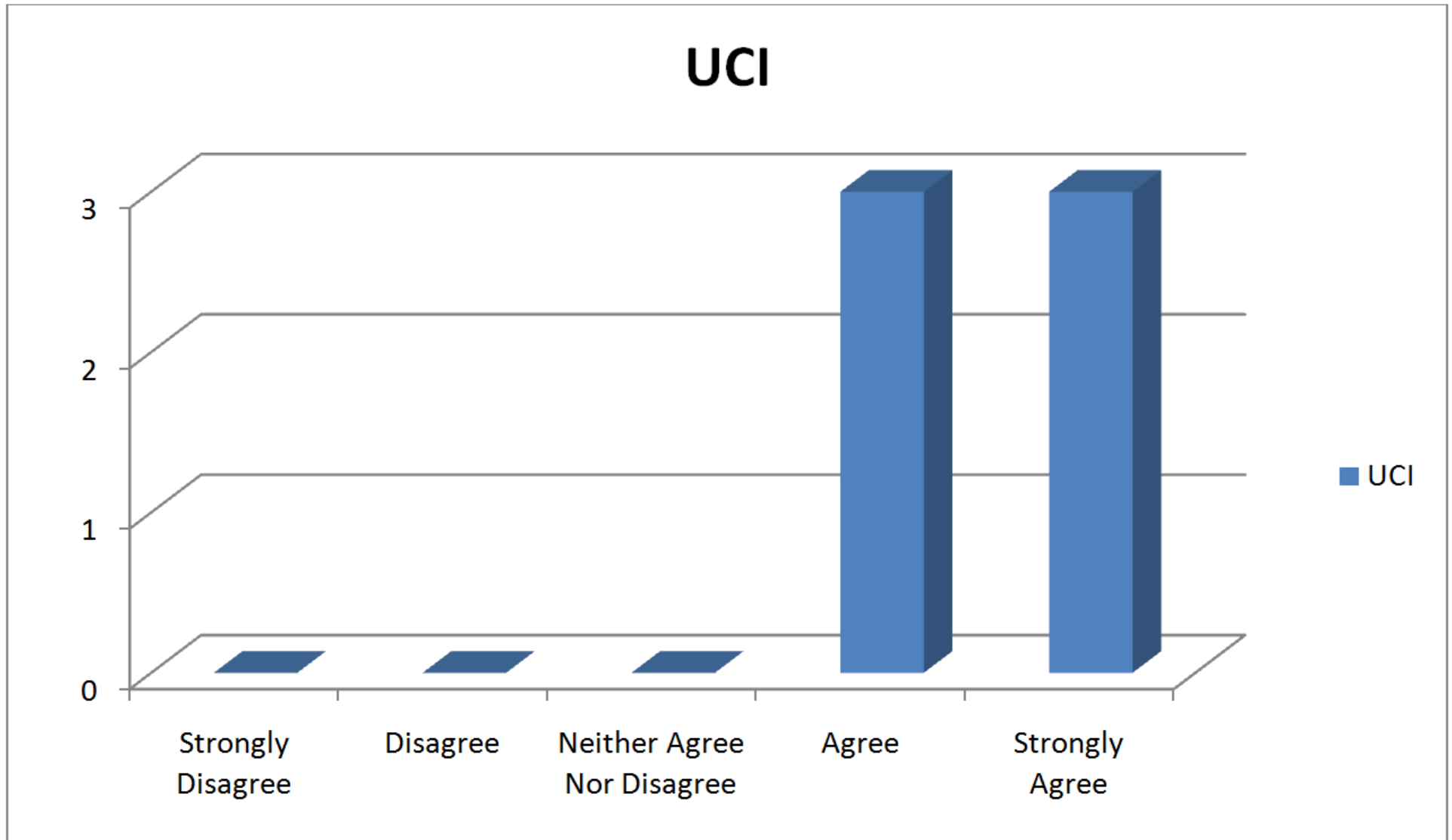
II. INSIGHTS / FINDINGS

UCSF - Overall Ease of Use
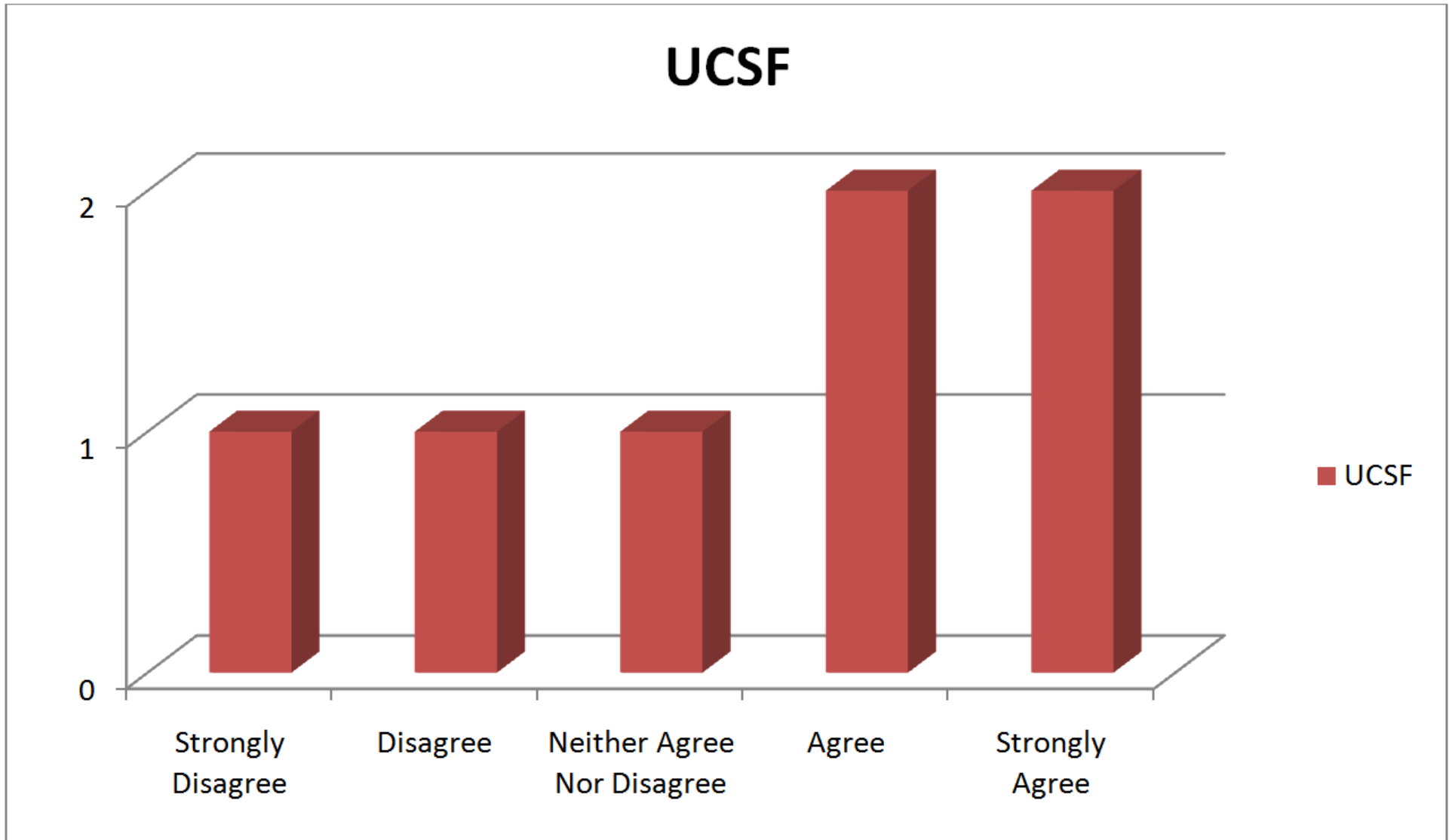
II. INSIGHTS / FINDINGS

Illinois - Overall Ease of Use
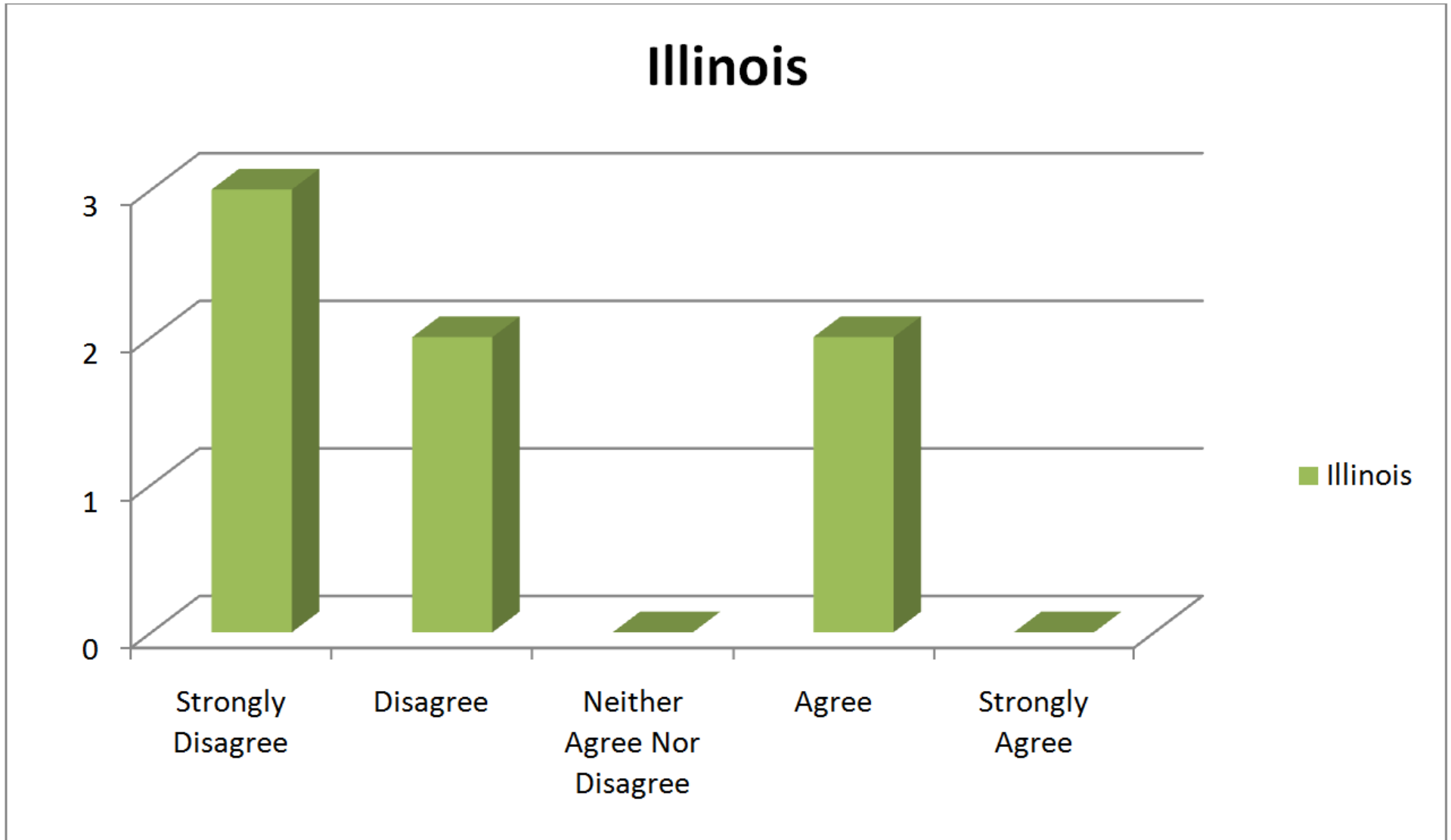
II. INSIGHTS / FINDINGS

UCI Search Results

II. INSIGHTS / FINDINGS

UCI Search Widget Data
- 6 out of 6 people (100%) completed the survey
- Every survey had positive results, no test subject experienced difficulties
- Every Test Subject agreed or strongly agreed that the search widget was generally easy to use

II. INSIGHTS / FINDINGS

UCSF Search Results

II. INSIGHTS / FINDINGS

UC San Francisco Comments:

"There should be an advanced search for specific items"

"I had to scroll through the countless search results looking for one published in 2008"

"...it took a lot of time"

II. INSIGHTS / FINDINGS

Illinois Search Results

II. INSIGHTS / FINDINGS

Illinois User Comments

- *"I liked that I could simply type in "High-Acuity Nursing by Kathleen Dorman Wagner" into the search and get results,* **but the results I got immediately weren't well organized**. *I wasn't sure if the book I was looking for was not found at Uofl libraries because it wasn't there or because I had typed things in wrong. So I tried a few other searches like searched just for title or just for the author until I looked at what was found at other schools.* **A results page with information on the specific books/articles found would be more useful than what was shown"**

- *"I don't have a login so I don't know whether I found the book or not because I only see the number of matches and not the actual results.* **Google and Google Scholar found the book (of course)"**

- *"It took me 5 minutes. That kind of search I would* **expect in google to take me 20-30 seconds"**

- *Didn't know there was an* **advanced search feature**

- *I was frustrated to not be able to see results that were being returned from the different databases and was* **very overwhelmed** *by the number of hits I received from some of the databases. I was actually more inclined to look at databases with less results, because* ***>100,000 just felt overwhelming*** *to deal with.*

- *This search page has* **way too many things going *on*** *and the* ***results are* confusing**

II. INSIGHTS / FINDINGS

Advanced Search Usage
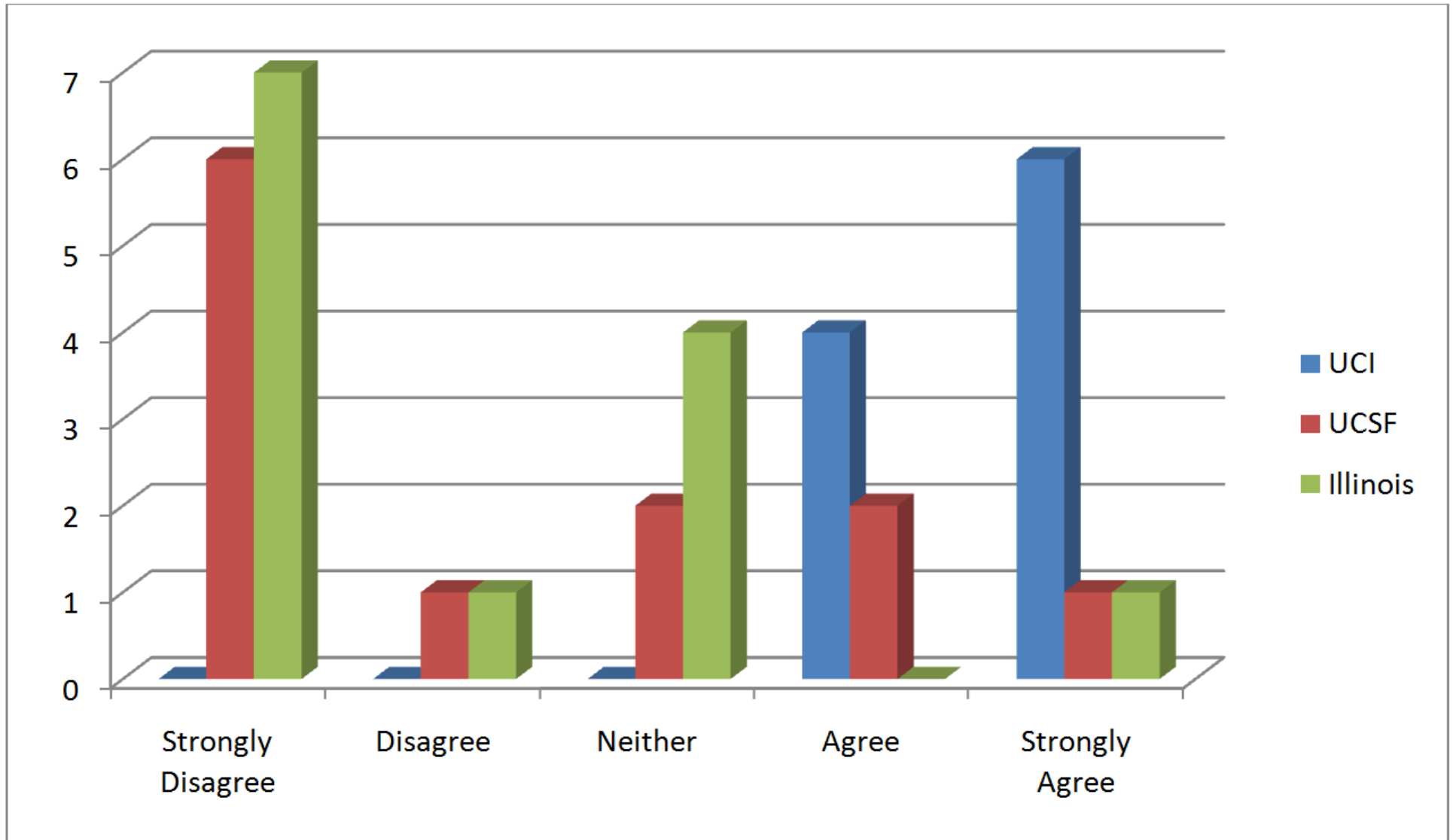
III. AREAS TO BE ADDRESSED

Problems
- HCI qualities of UCI Search widget
- Good HCI qualities of UCSF and Illinois
- Good HCI qualities UCI Advanced Search
- Benefits of detailed search results

Methods
- Usability Testing
- Additional interviews
- Design Prototype
- Re-Evaluation of Prototype

IV. PROBLEMS ENCOUNTERED

- Surveys
  - Low Grad student participations
  - Illinois survey
    - Licensing issues (for some sources)
    - Incomplete Surveys

V. DECISIONS

- Low Grad Student Participation
  - Greater participation for:
    - Usability Testing
    - Additional Interviews
    - Re-Evaluation Phase

- Illinois Survey
  - Licensing Issue
    - Not to influence the user about the search widget
  - Incomplete Survey Issues
    - Decided to incorporate these into our results

VI. UPDATED SCHEDULE

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