Project 4: Search Widgets

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Matt Shigekawa
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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.
2. UC Irvine Search Survey - Task 1 of 2

Instructions:
Task 1. Specific Search

Please visit http://ucr.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?

2. I quickly completed my first task.
   - Strongly disagree
   - Disagree
   - Neither agree nor disagree
   - Agree
   - Strongly Agree
   If you disagree then why?

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?
# SURVEYS

## Data Collection

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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

![Bar chart showing overall ease of use for UCSF, with categories ranging from 'Strongly Disagree' to 'Strongly Agree'.]
II. INSIGHTS / FINDINGS

Illinois - Overall Ease of Use

![Graph showing attendance at public meetings in Illinois, with bars indicating the level of agreement or disagreement.

- Strongly Disagree: The highest bar, indicating the most negative response.
- Disagree: The second tallest bar, indicating a slightly negative response.
- Neither Agree nor Disagree: The shortest bar, indicating a neutral response.
- Agree: A moderately tall bar, indicating a positive but not strongly positive response.
- Strongly Agree: The second shortest bar, indicating a slightly positive response.

The graph visually represents the distribution of responses, with the number of attendees declining as the level of agreement increases.}
II. INSIGHTS / FINDINGS

UCI Search Results

Search results for "high acuity nursing" limited to Libraries Worldwide (WorldCat)

1. High-acuity nursing
   by Kathleen Dorman Wagner, Pamela Stinson Kidd, Karen L Johnson
   Book
   Language: English
   Held by: UC Irvine Libraries
   View descriptions and formats

2. High Acuity Nursing
   Article
   Language: English
   Database: British Library Serials
   Held by: UC Irvine Libraries

3. AACN certification and core review for high acuity and critical care nursing
   by JoAnn Alsopach; American Association of Critical-Care Nurses.
   Book
   Language: English
   Publisher: St. Louis, Mo.: Elsevier Saunders, ©2008.
   Held by: UC Irvine Libraries
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

Books, Journals and More
(1-12 of 9,347 results)

1. Community health nursing: promoting and protecting the public's health / Judith A. Allender, Cherie
2. Real stories of nursing research: the quest for Magnet recognition / edited by M. Maureen Kirkpati
3. Essentials of nursing research: appraising evidence for nursing practice / Denise F. Polit, Cheryl
4. Evidence-based practice for nurses: appraisal and application of research / editors, Nola A. Schmid
5. Emergency nursing procedures / [edited by] Jean A. Proehl
6. Advanced practice nursing: essential knowledge for the profession / edited by Anne M. Barker
7. Perspectives on nursing theory / edited by Pamela G. Reed, Nelma B. Crawford Shearer
8. Teaching in nursing: a guide for faculty / by Diane M. Billings, Judith A. Halstead
9. Professional guide to diseases
10. The future of the nursing workforce in the United States: data, trends, and implications / Peter I.
11. Cognitive and perceptual rehabilitation: optimizing function / Glen Gillen
12. Pediatric primary care / Catherine E. Burns ... [et al.]

More 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 UofI 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

- Strongly Disagree
- Disagree
- Neither
- Agree
- Strongly Agree

- UCI
- UCSF
- Illinois
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

GANTT Chart