INF 132 Usability Testing

Presentation 5

T - language text
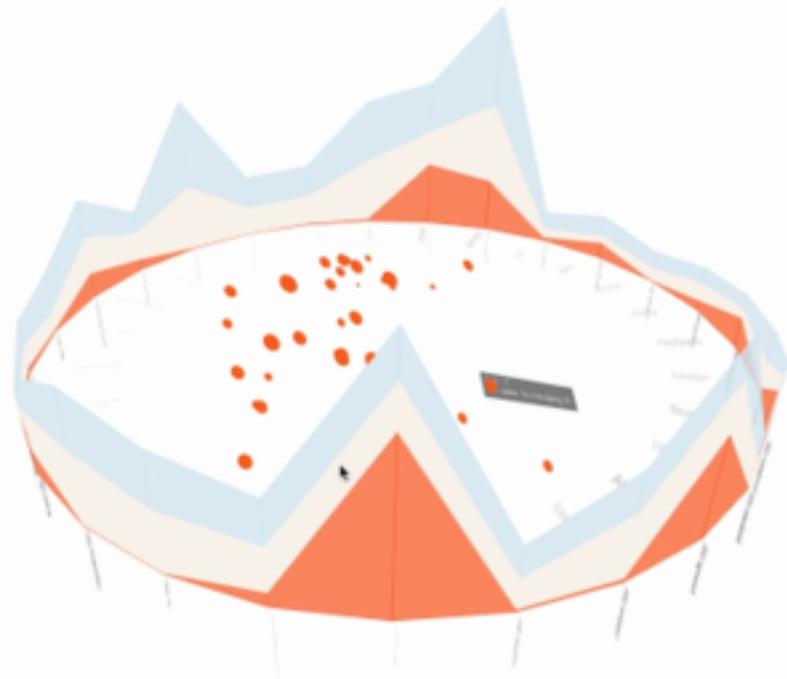
T - object image

T - science meeting

T - data mining

T - tool online   T - museum science

T - equation differential

T - conference student

T - wave imaging

T - search query

T - health event   T - government policy

T - flow simulation

T - robot robotic   T - student graduate

T - protocol cryptographic

T - user interfaces

T - adaptive optimization

T - optical chip

T - award law

T - software code

T - communication wireless

T - resource application

T - processor memory   - security privacy

T - network nodes

www.WiGis.net

This view contains 3165 nodes and 3481 edges.
[Save Graph as an Image (right click and "save as")](#)

Progress Report as Of This Week

User Testing

5 Graduate Students Tested So Far
    2 - Economics Major
    1 - Electrical Engineering Major
    1 - Chemistry Major
    1 - Linguistics Major

5 More Graduate Students Lined Up For Testing This Week

Analyzed some of our findings and observations for patterns and vital information

Revamped a few instructions to make it easier for testers to understand the TopicsNets System

What we learned so far

Observations/Insights

- See Problems Encountered
  - People are Hard to Work With
  - System is Confusing
  - Advanced system intimidated users
- Testers Too Confused to Give Detailed Insight
- Think graph is a very interesting way of linking words and information
- Based on current observations, next testing iteration should compare original system with new system which is graphically centered
- Tasks were relatively easy to complete once testers got the hang of it, but testers did not understand the purpose of each task

Continued…

- Testers felt that the bar to adjust the appearance was too specific
- Testers felt that with the adjustments on the right expanded, it took a lot of scrolling
  - improvement suggested was moving some of the appearance, labels, layout settings onto another column (2 columns on right) or 2 columns below the actual graph
- A few testers found that the mini-graph on the right was too small and didn't realize you can click on it
- Should create an advanced organizing function where a user can do all the things that are currently there, but at the same time won't confuse the basic users

Problems we encountered

Problems We Encountered

- Complexity
  - TopicNets is an advanced system and takes a bit of know how before using it
  - Not made for beginner users
  - Users are confused at first
  - Requires training/instructions
- Browser Incompatibility
  - TopicNets only works on a Firefox browser
  - Although it is a popular browser, not everyone has it
- Internet speed
  - TopicNets requires a fairly quick internet speed as it takes some time between actions.
  - Sometimes the page gets stuck when the "Please wait" box appears and requires a refresh
    - Ex. when TopicNet trys to find a clustering algorithm

Problems We Encountered

- Internal Server Error
  - Sometimes when we press the button "run layout" for the layout of the graphs, it takes us to an Error page.

Pending Decisions

- Come up with a more coherent strategy in explaining the TopicNets system.
- Start incorporating the newer TopicNets system into the usability testing.
- From information gathered, we have to decide which data is useful for our purposes
- Decide whether from the gathered information, if additional tests are required

Timeline

Week 7
    - Interim Presentations - Team
    - Continue user testing - Team
    - Review User Testing Data for Inconsistencies/Errors - Team, Minda & Manuel

Week 8
    - Finish up user testing (roughly 10 interviewed) - Team
    - Re-run user test if detrimental errors are discovered - Team
    - Check if any testers want to re-run test with new graphic display
    - Progress Report - Team

Week 9

- Analyze and Organize Data - Team, Minda & Juliano
- Finish Testing if needed - Team, Jonathan & Minda
- Interpret Data and Explain Findings - Team, Jonathan & Manuel
- Compare our findings with the original group's findings - Team, Juliano & Jonathan
- Work on Final Presentations - Team

Week 10

- Final Presentations