Group 6 Final Presentation

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Heuristic evaluations

- 5 total users
    - User1: Background in interface and web design.
    - User2: Informatics major with HCI spec.
    - User3: Informatics major with HCI spec.
    - User4: Informatics major who recently took 131.
    - User5: Informatics major who recently took 131 and works in a job involving interface design.
- All tests were performed on an 11.6 inch laptop with a resolution of 1368x768 resolution.
- Users were told to think aloud while using the site but were otherwise not given any specific instructions.

User1 & 2

- Already discussed in Interim presentation.
- Neither liked the drop-down menu.
- User2 suggested default values for course creation.
- User1 suggested default values for drop down navigation.
- Found the drag-and-drop for adding professors to courses easy to use.
- Both liked the system overall.

User3

- Found explanations given on the help section to be useful.
- Creating courses was easy and intuitive.
- Found drag-and-drop easy to use.
- Some bug-testing
  - Courses with same name can be created.
  - Can assign a professor multiple times the same courses.
- More advanced information on the "home" button.
- Unsure about saving information.

User4

- Had major technical problems with the site during the test.
  - Attempting to move a professor after they had been assigned caused the site to display several pop-ups.
- Found drag-and-drop easy to use.
- Was unsure about what "help" would do.
- Suggested having course removal from the assignment page.
- Found course creation easy.

User5

- Drag-and-drop was simple to use.
- Found navigating off the assignment page to be a little difficult.
- Thought the site looked plain and suggested that we have a background.
- Was unsure what the symbols meant on course removal.
- User found editing courses to be easy.
- User was unsure about auto-saving.
- User did not like the home button being on the bottom.
- User wanted borders on assignment page to make cells more noticeable.

Evaluations Conclusions

- Core functionality was easy to use.
    - Drag-and-drop professor assignment.
    - Course creation
    - Course editing.
- The site may be too plain.
- The users that noticed the "help" page found it useful.
- The site needed better navigation.
- Some bugs still need to be fixed.

Use Case Testing

- Created a list of tasks for users to perform
  - e.g. - Add Prof. Kobsa to INF 132 in Spring '11
- Used Mac version of firefox
  - 13 inch screen without mouse
- One note take and one moderator
  - Moderator issued tasks without providing help
- Users did not have any knowledge of the system before use

Use Case Testing

User 1

- Minor in ICS, no background in HCI
- Drop down menu should be more noticeable
  - Used homepage link instead of drop down
- Hard to find color code key
  - Need to put on schedule page
- Help menu was unused even when stumped
- Conclusion:
  - Thought the system was intuitive
  - Wanted the drop-down menu listed out instead of hidden in the upper right hand corner
  - Color code was frustrating to find

Use Case Testing (Contd.)

<u>User 2</u>

- Mechanic with no HCI experience
- Confused ICS 135 with Informatics 135
  - Did not look at class type, but instead just number
- Could not finish the task that required him to find color codes
- Had trouble using the touch pad on the Mac
  - difficulties with dragging and dropping
- Conclusion:
  - Thought the system was easy to use
  - Expressed no interest in using the Help page

Use Case Testing (Contd.)

User 3
- ICS Major, but no HCI experience
- He was not comfortable with the layout
- Had a lot of trouble finding color codes
  - Eventually found them after clicking Help
- Opened Help page in a new tab
- First user to use the drop-down menu extensively
- Drop-down menu looked odd with both up/down arrows on Mac computer
- Conclusion:
  - Not used to link formatting (e.g. "...logout?")
  - Once he discovered the Help page, he referred back to it many times
  - Thought homepage was unconventional

Use Case Testing (Cont.)

User 4-
- Took INF 131, ICS major
- Also had trouble with dragging and dropping
  - Managed to drag more than one name at once
- Difficulties with finding the color codes
  - referred to other courses
  - eventually found the help page and opened it with a new tab
- Did not scroll down to find course needed
- Tried to delete a course by clicking it on the assignment page
- Conclusion:
  - Layout is fine, but a little boring
  - Thought the help page was useful once discovered
  - Color codes should be placed at more than one location

Use Case Testing (Cont.)

User 5 -
- CS major, basic knowledge in HCI
- Used drop-down menu instead of links on homepage
- Found help page after a struggle
  - Clicked on every link before clicking on help
- Also tried to delete a course on the professor assignment page
- Conclusion:
  - Thought it was a good system but it was too plain
  - Color codes should be placed on assignment page
  - Intuitive, easy to understand

Use Case Testing Conclusion

- Place color codes at a more noticeable location
- Make help page more obvious
  - Most users didn't have the habit of using the help page
- Dragging is difficult without mouse
- Homepage too plain but functional
- All users were able to perform the use cases with ease with the exception of the color code
  - Once help page was found, users were able to do all the tasks
- Intuitive and easy to use

Schedule Breakdown

The Time Plan/Task Allotment:

1. Elicitation
   - Interviews (*by 5th week*) - Two (2) Completed
       - Questions prepared as a group (*4/15*)
       - Interview given by: Matt and Mike

2. Implementation (*by 6th week*) - Completed
   - Brainstorming done as a group
   - First prototype put together by Donald, Matt and Denise

3. Primary Evaluations (*by 7th week*) - Completed
   - Heuristic Evaluation - Completed
       - Prepared by group and deployed by Evan, Mike
   - Cognitive Walk-Through
       - Prepared by group and deployed by Evan, Mike
   - Use-Case
       - Prepared and deployed by group

Schedule Breakdown (cont.)

4. Revision *(7th-8th week)** - Completed
 - Editing of interface based on findings from evaluations

5. Secondary Evaluations *(7th-10th week)** - In Progress
 - Cognitive Walk-Through
  - Prepared by group and deployed by Evan, Mike

6. Finalize Interface *(10th week)* - In Progress
 - Final implementation by Donald, Matt and Denise
 - Final Paper Draft by Donald, Matt and Denise

*Phases 4 and 5 are iterative and may thus be repeated as necessary over the 2 weeks allotted to them

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Thank You!

Questions?