







Individual Programming Assignment (due Mar 2)

Project Management/To-Do List

Tasks have the following properties:

Task Name

- Percentage Completed (0-100%)
- Start and End date
- Priority
- List of people assigned to the task
- URL related to the task

Checklist view

- \bullet Include checkbox to automatically set completion percentage to 100%
- You should be able to see the completion percentage

Timeline view

Magic lens: http://dohistory.org/diary/exercises/lens/index.html





























Relationship of View & Controller	
"pattern of behavior in response to user events (controller issues) is independent of visual geometry (view issues)" – Olsen, Chapter 5.2	
 Checkbox 1 Checkbox 2 RadioButton 1 RadioButton 2 	
But controller must usually contact view to interpret what user events mean (e.g., selection)	





















Dragging at Interactive Speeds

Damage old, move, damage new method may be too slow

- must take less than ~ 100 ms to be smooth

Solutions

- don't draw object, draw an outline (cartoon)
 - use XOR to erase fast (problems w/ color)
- save portion of frame buffer before dragging
 - draw bitmap rather than redraw the component

modern hardware often alleviates the problem















Materials

Large, heavy, white paper (11 x 17) 5x8 in. index cards Post-it notes Tape, stick glue, correction tape Pens & markers (colors & sizes) Transparencies (including colored) Colorforms (toy stores) Scissors, X-acto knives, etc.







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Video Prototyping

- Illustrate how users will interact w/ system
- Unlike brainstorming, video prototyping contracts design space
- Quick to build
- Inexpensive
- Better illustrates context of use











Wizard of Oz Prototype Testing







SIMS 213 Project: Telebears redesign



Conducting a Test

Three or Four testers (preferable)

- Greeter Puts users at ease & gets data
- Facilitator only team member who speaks
 Gives instructions & encourages thoughts, opinions
- Computer knows application logic & controls it
 Always simulates the response, w/o explanation
- Observer(s) Take notes & recommendations

Typical session should be approximately I hour

- Preparation, the test, debriefing



Conducting a Test (cont.)

Debrief

- Fill out post-evaluation questionnaire
- Ask questions about parts you saw problems on
- Gather impressions
- Give thanks

Preparing for a Test

Select your participants

- Understand background of intended users
- Use a questionnaire to get the people you need
- Don't use friends or family

Prepare scenarios that are

- Typical of the product during actual use
- Make prototype support these (small, yet broad)

Practice running the computer to avoid "bugs"

- You need every menu and dialog for the tasks
- All widgets the user might press
 - Remember "help" and "cancel" buttons

WOZ is different from pre-built "canned" functionality

Wizard of Oz Tips

Rehearse your actions

- For a complicated UI, make a flowchart which is hidden from the user
- Make list of legal words for a speech interface

Stay "in role"

- You are a computer, and have no common sense, or ability to understand spoken English.

Facilitator can remind user of the rules/think-aloud approach if the user gets stuck

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