



Error Dialog Boxes

Why are they problematic?

How related to locus of attention?

Error Dialog Boxes

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How related to locus of attention?

What are the alternatives?

- Make errors as impossible as possible

- Pull down of state codes rather than typing in codes ...
- Handle all possible types of input





























Individual Programming Assignment (due Mar 2)

Design and Implementation Components

- Sketches of 3 alternatives, pick a favorite
- "Discount" user studies in section (Feb 25-26)
- Write up what you learned from the study
- Note how you changed your interface as a result
- Implement user interface

Application area: Project Management/To-Do List

- Items should have start and end date
- Traditional to-do list checklist view
- Timeline view
- Magic lens































Metaphor Caveats

Too limited

- The metaphor restricts interface possibilities

Too powerful

- The metaphor implies the system can do things it can't

Too literal or cute

- Makes it difficult to understand abstract concept

Mismatched

- The metaphor conveys the wrong meaning











Cognitive Conscious / Unconscious

Examples?

- What is the last letter in your first name?
- You know it but weren't consciously accessing this information a moment ago, but now you are.
- How do your shoes feel right now?
- How did "The Shining" make you feel?
- Having a name on the "tip of your tongue"





Locus of Attention

Why is it important for HCI?

- Cannot be conscious of more than one task at a time
- Make the task the locus of attention
- Beware of the power of mental habits
 - Repetitive confirmations don't work
- Take advantage of it
 - Do pre-loading while user thinking about next step
 - Streamline resumption of interrupted tasks



Modes: Definition

What are they?

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Using Modes in Interfaces

When are they useful?

- Temporarily restrict users' actions
- When logical and clearly visible and easily switchable
 - Drawing with paintbrush vs. pencil
 - Autocorrect (if easy to switch the mode)

Why can they be problematic?

- Big memory burden
- Source of many serious errors

How can these problems be fixed?

- Don't use modes redesign system to be modeless
- Redundantly visible















Next Time

Model View Controller and Event Driven UIs in Flash/Flex

- Reading to be posted soon

Individual Programming Assignment Due Mar 2

- Design sketches to be shown in section Feb 26