Advanced Programming Techniques

### **UI Considerations**

Christopher Moretti

## User interface design

"The interface is the product."

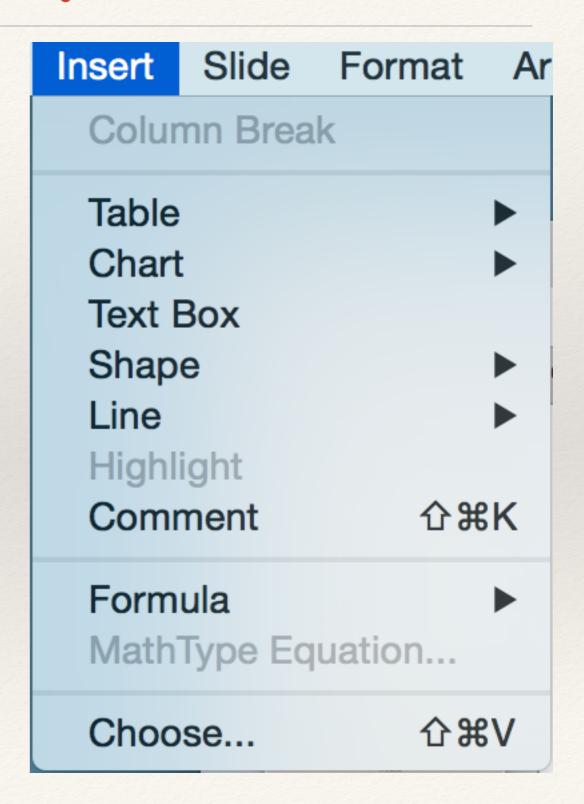
-Jef Raskin, originator of the Apple Macintosh

"A user interface is well designed when the program behaves exactly how the user thought it would"

-Joel Spolsky in "User Interface Design for Programmers"

## Uniformity

- \* Uniformity within product
- Uniformity across products
  - similar items have their standard places, e.g.
     File/Edit/View/Help OK/Cancel
  - platform/local look and feel
  - visual conventions





## Legibility

- Not everyone has 20/20 vision
- \* Some people are color-blind
- Women distinguish subtle color differences better (src)
- Some fonts are more legible than others

- Oops!
- \* One heuristic: project sans-serif, print serif.
- Don't assume a screen size
  - \* Reactive layouts help with this!



## Ease and Flexibility of Use

Top

Top

Top

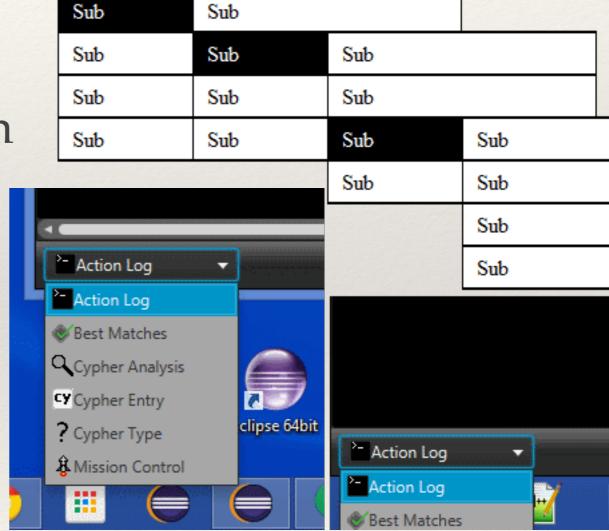
\* Pick good defaults, but let a user change them

\* Don't go too deep into menus

\* Don't let menus drop offscreen

\* Remember useful information

- previous entries
- location in filesystem
- Provide text alternatives



type a path rather than file-tree dialog

## Test Usability Early and Often

- \* Figure out small set of important tasks
- \* Make scenarios that tell users to perform the tasks
  - \* but not how to do it!
- Screen-capture and/or have user narrate their use
  - completely unaided
  - with a description of how you'd do it



# When you don't consider UI ... (and/or don't do enough testing) http://www.webpagesthatsuck.com/



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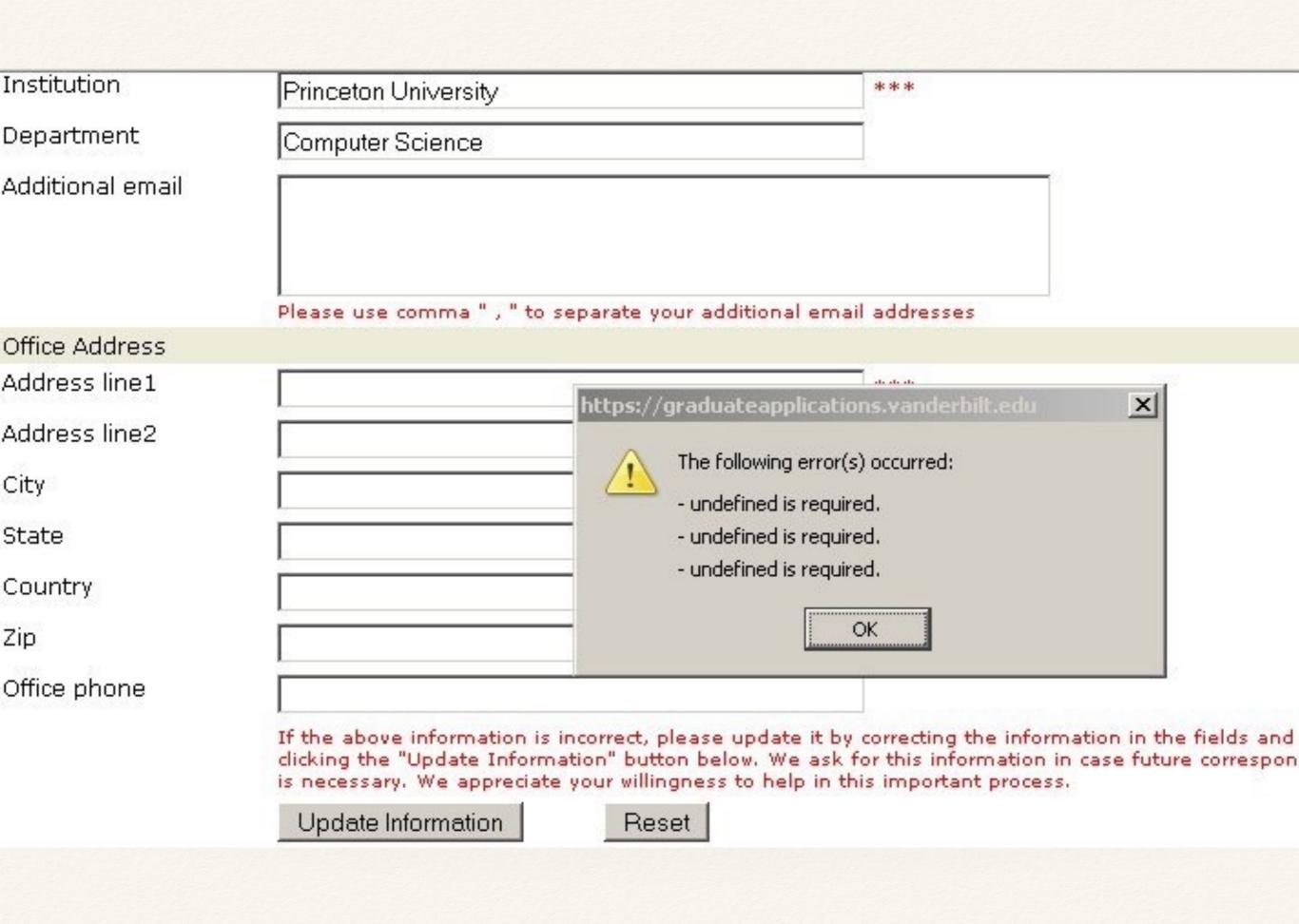
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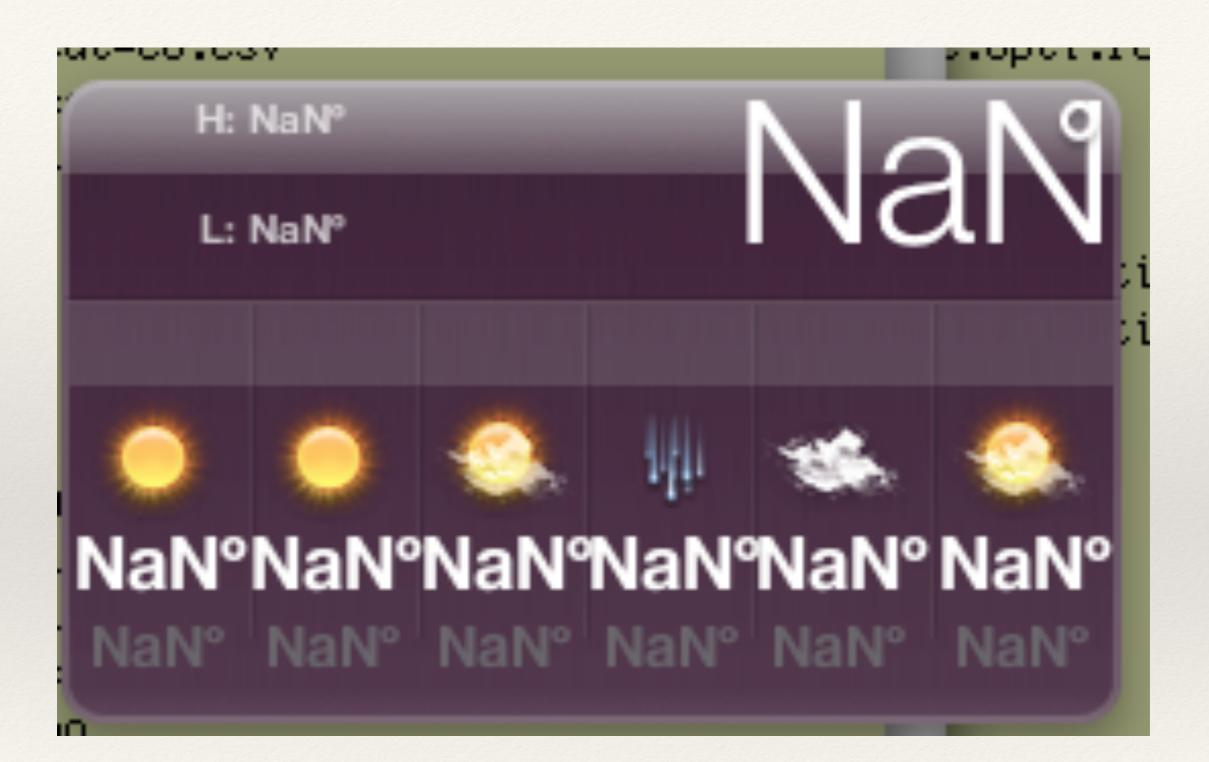
#### **Sitemap**

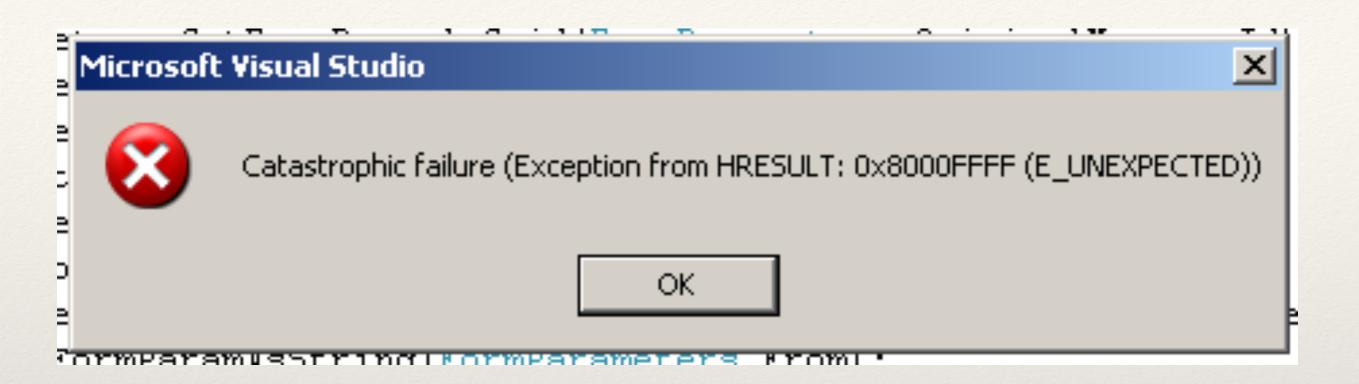


Collapse all

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Flickr has the hiccups. We're looking into the problem right now.

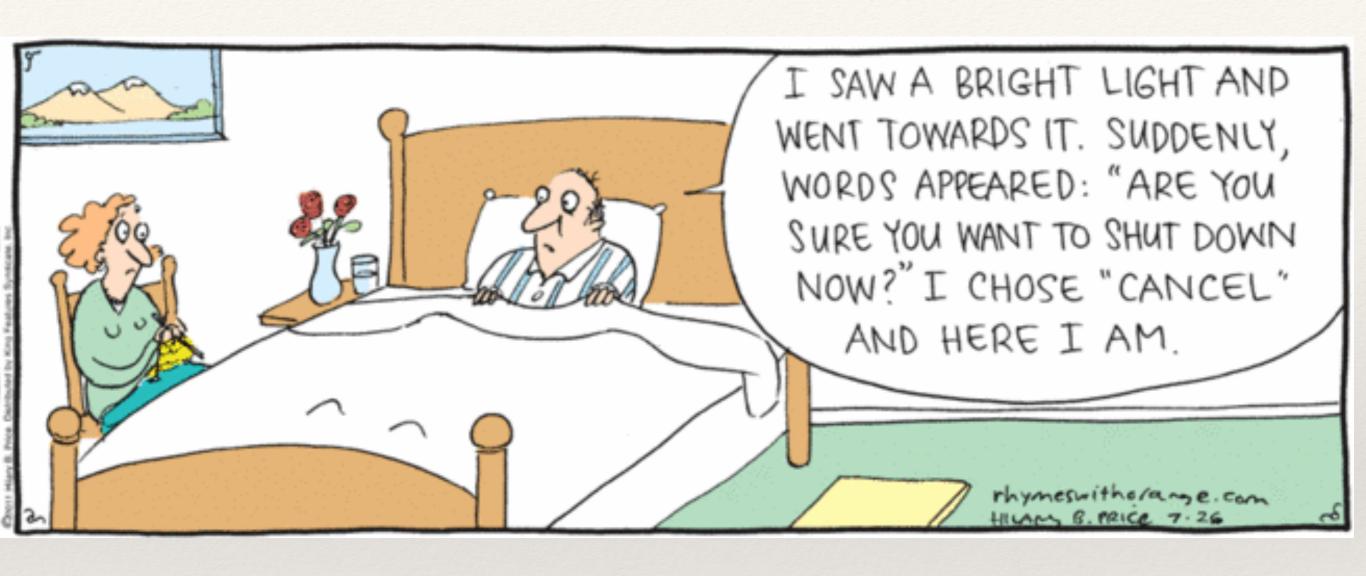


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