Novel Widgets

Lecture 10

Magic Lens

- Developed at Xerox PARC by Stone, Fishkin and Bier in early 90's
- "See-through" interface also called semantic zooming because it changes the representation of the object viewed
- Lens widget that provides customized view of application beneath it

Demos

- http://www2.parc.com/istl/projects/MagicLenses/SimpleDemo.html

- http://dohistory.org/diary/exercises/lens

Dynapad

- Developed originally as Pad++ by Jim Hollan now at UC San Diego
- Problem: how to work with large collections of objects
- User interface of multiscale graphical objects that are interactive
  – Piles
  – Time lines
  – Lens
  – Zooming
- http://hci.ucsd.edu/dynapad/

DynaPad Demo

Elastic Windows

- Developed by Ben Shneiderman at the University of Maryland in mid 90's
- Windows organized in a hierarchical fashion on a space filling tiled layout
- Supports multiple window operations which enable fast task-switching and reorganization of the windows according to tasks
- http://www.cs.umd.edu/hcil/elastic-windows/

Elastic Windows Demo

Elastic Windows: Improved Spatial
Layout and Rapid Multiple
Window Operations

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