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/](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