Situated Interaction

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This week:

Discuss exercises: #6-7

Class exercise   #8

Lecture: Substrates

Homework exercise: #9

Exercise #6 Cross-Application Tools

Group exercise

1. Find 3-5 tools that are used *across multiple applications*
   For each tool: How similar / disimilar are they?
                    What do they reify?
                    Are they polymorphic?
                    Are they reusable?

2. Find at least 2 tools that exist *in only one application*
   For each tool: How could it be used in another
                    application?

Exercise #7   Pencil Properties

Group exercise

1. Start with your group's set of pencil ideas.
   List the physical properties of the pencil, e.g. 'rigid', that make the activity possible.
2. For each physical property, list as many uses of that property as you can, e.g., 'prop up a young plant'.

Exercise #8   Finding Structures

Group exercise

1. Pick three activities.
2. Identify at least five structured ways to organize information for that activity.
3. Identify the type of computer structure and what it is for.

Example: *Activity:*   *Cooking*
Shopping list   paired list   specify amounts of ingredients

Exercise #9   Generative Design

Group exercise:
Brainstorm how to use: *reification, polymorphism & reuse*
to manipulate *graphical styles* in a graphical editor

1. Think of a more powerful instrument for defining
   and/or modifying graphical styles

2. Explain how the idea embodies the principles

3. What is the substrate?

4. How is it discoverable? appropriable? expressive?