Creating and developing interface ideas

Where do ideas come from?

Are there any methods that will help me create new ideas?

Methods for creating and developing interface ideas*

Where do ideas come from?

- imagination
- observations of current work practice
- observations of current systems

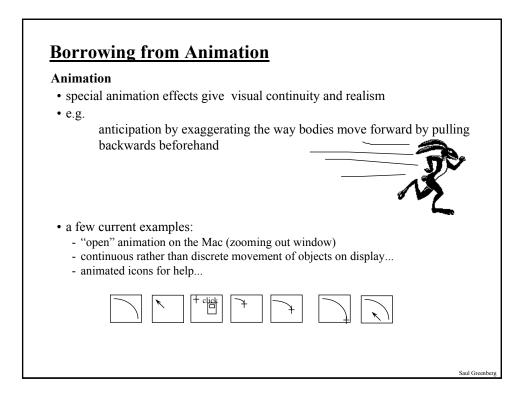
Borrowing from other fields

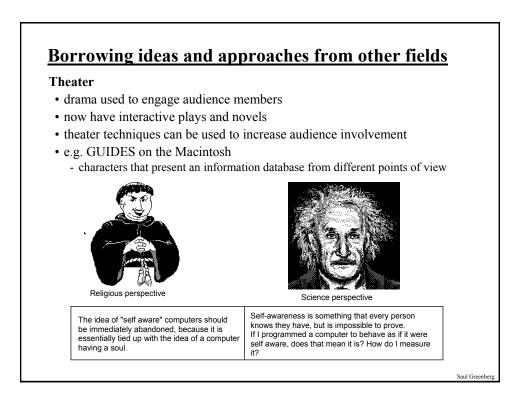
- insights and techniques from other fields and media that deal with creativity:
 - animation
 - theater
 - architecture
 - information visualization and graphical design (already done...)
 - ...

*This talk is mostly based on a paper by Joy Mountford, Apple **Tools and Techniques for Creative Design**

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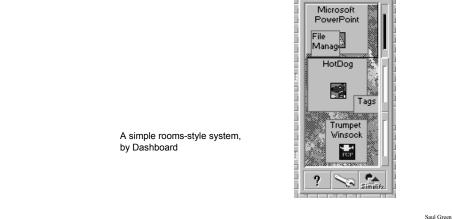




Borrowing ideas and approaches from other fields

architecture

- · creates livable, workable, attractive environments
- gave the principle "form follows function"
- · architectural principles can be applied to interfaces
- e.g. ROOMS, from Xerox



Generating new ideas

Techniques for generating new ideas

• new ideas usually recombinations of old ones in novel ways - "lateral thinking" to bring together unusual associations

1. New uses for the object

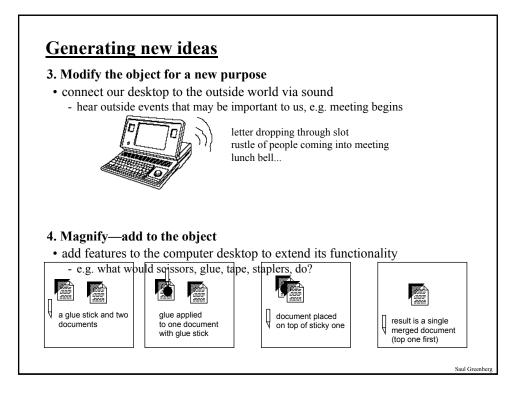
- What is a computer form be used for?
 - conventional: form-filling for data base entry
 - unconventional:
 - email exchange

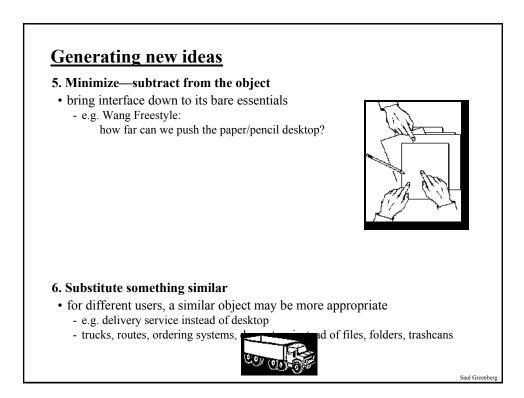
procedures associated with form that triggered events, control communication, etc

2. Adapt the object to be like something else

• change the office desktop metaphor to be a kitchen counter metaphor

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Generating new ideas

7. Rearrange aspects of the object

- reorganize the basic layout
- e.g menu bars on bottom, pop-up scrollbars...

8. Change the point of view

- imagine seeing/presenting the information from a different perspective
- e.g. view desktop from high above-> overviews!

9. Combine the data into an ensemble

- what larger metaphor might the object be part of?
- e.g. desktop -> room -> building->city
 - different rooms for different tasks
 - communications metaphors between rooms and buildings...

You know now

Ideas can be developed by borrowing approaches from other fields

Many new ideas can be developed by recombining of old ones in novel ways

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