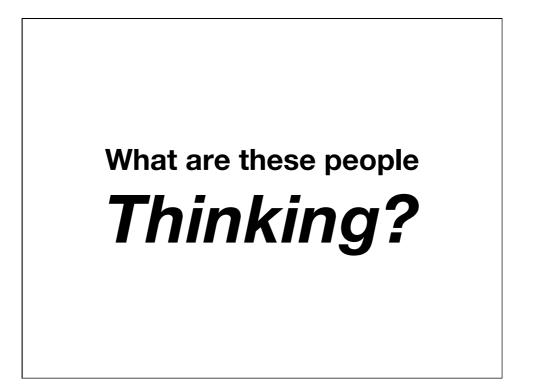
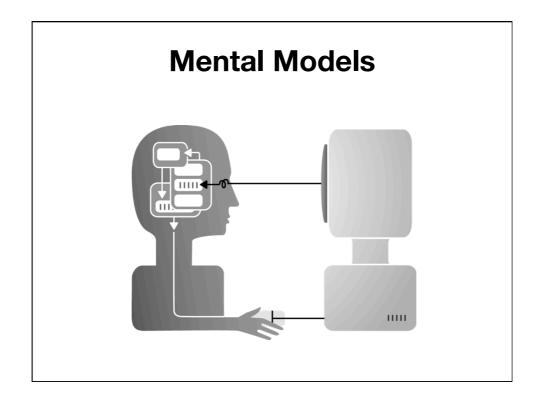


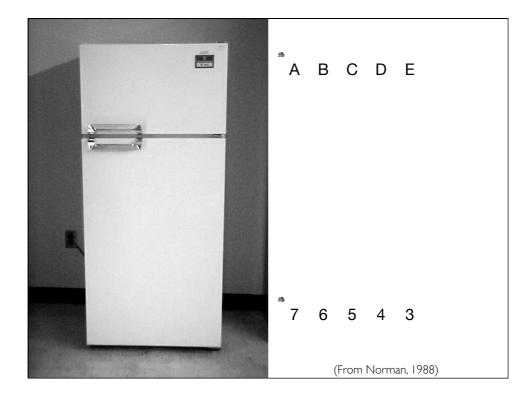


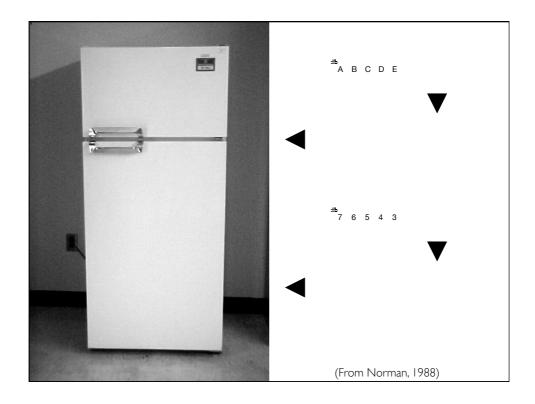
2/19/10



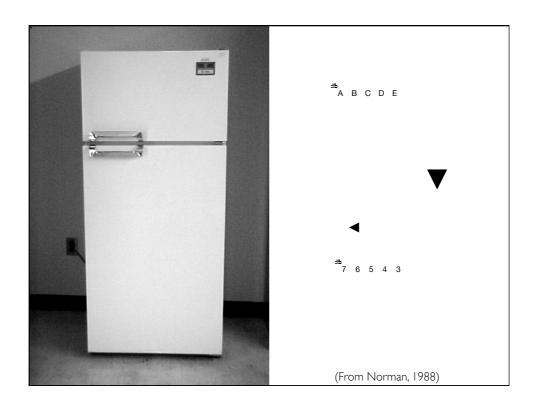






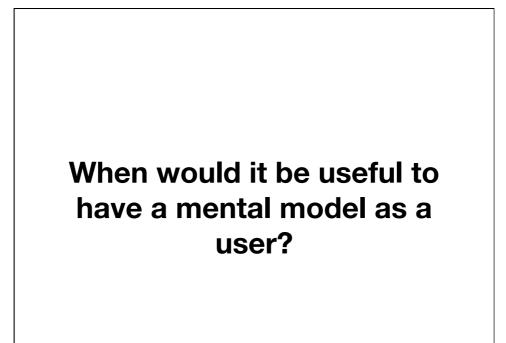


	[≞] ABCDE
	Normal settings C 5
	Colder fresh food C 6-7
	Coldest fresh food B 8-9
	Coldest freezer D 7-8
L	Warmer fresh food C 4-1
	Off (fresh food & 0 freezer)
	* 7 6 5 4 3
	(From Norman, 1988)



Mental models mediated by system image	
User	
Designer	
System	
System image	
(From Norman, 1988)	





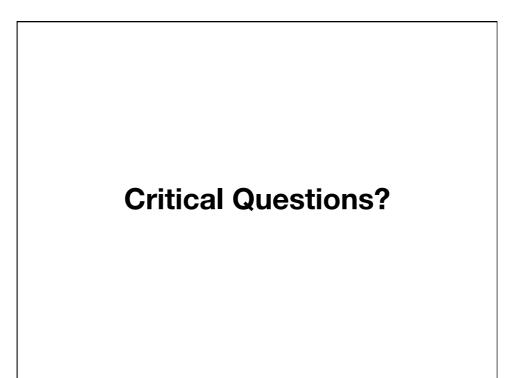
A model of...

- how the system works
- · what its components are
- · how they are related
- what the internal processes are
- and how they affect the components

(Carroll & Olson 1988)

2 Kinds of model

- Surrogate a model that mimics the output of a system, but not the internal workings.
- Metaphor models you understand a product by comparing it to something else that you already know.

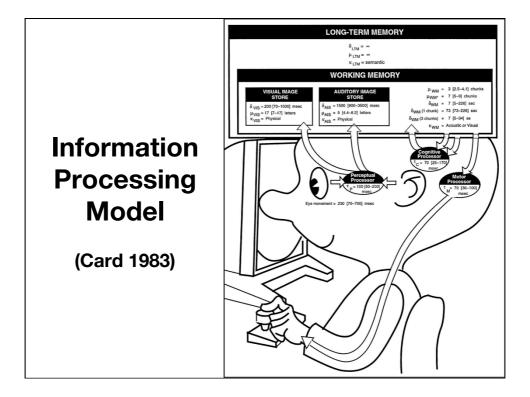


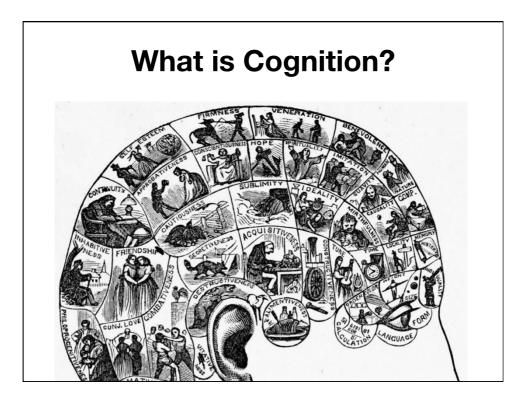


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7+-2 'rule'

- People can store 7 things in their short-term memory (plus or minus 2).
- What does this mean for interface design?





Components of Cognition

- Attention
- Perception and recognition
- Memory
- Learning
- Reading, speaking and listening
- Problem solving, planning, reasoning & decision making

2/19/10

Should there only be seven items in a menu?

Task for next week

- Design a log in page for an OpenID enabled website.
- Try to make it usable by people who've never heard of OpenID



- Ask someone to walk you through their process of logging in to a website that they use (e.g. facebook).
- Ask them to talk you through the process and explain what they're thinking at each step.
- Stop them and ask for more detail if you think it's appropriate.
- Watch out for situations where the system doesn't do what they expect. Ask why they think this is.
- Try the same thing with an unfamiliar website (e.g. one using OpenID).

