

### New Assignment (due 2/22)

### **Contextual Inquiry and Task Analysis -Due Feb 22** (2.5 weeks)

Find and interview 3 target users (not from class) Analyze their tasks Explain how your application addresses their needs Compile a list of existing related applications See wiki for details

#### Start early – there is a lot to do

Finding participants will take time We will not accept late group project assignments

### Review: Task Analysis

#### Find some real users

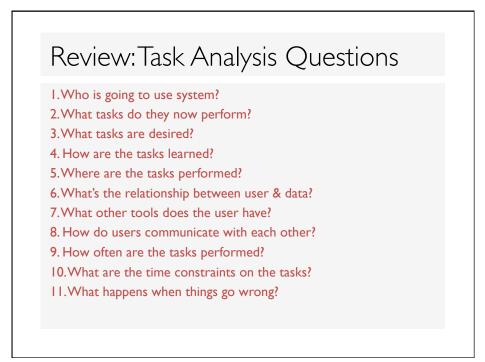
#### Talk to them

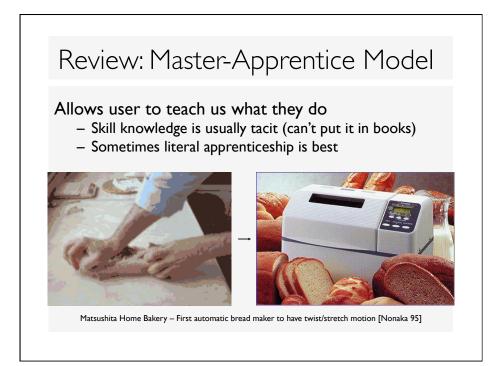
Find out what they do now How would your system fit in? More on this a bit later

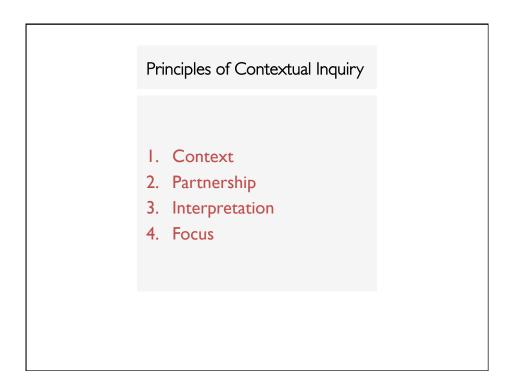
### Are they too busy?

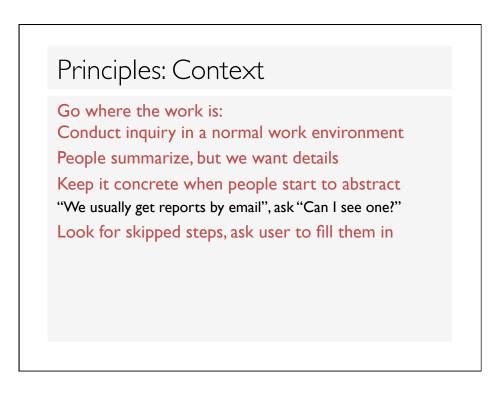
Buy their time t-shirts, coffee mugs, etc.

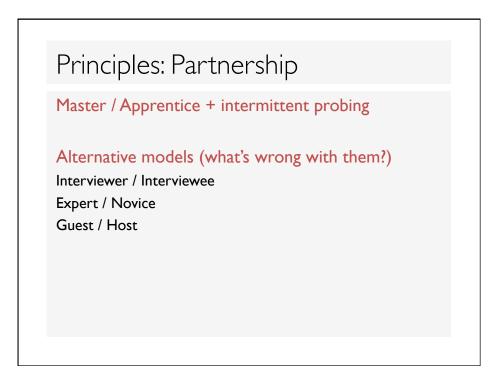




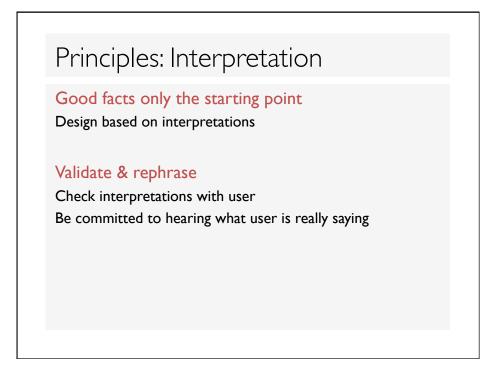


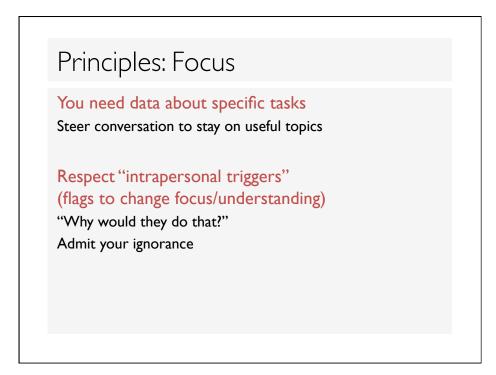












## Thoughts on Inquiries

Establish rapport before diving in

Use recording technologies Notebooks, tape recorders, still & video cameras

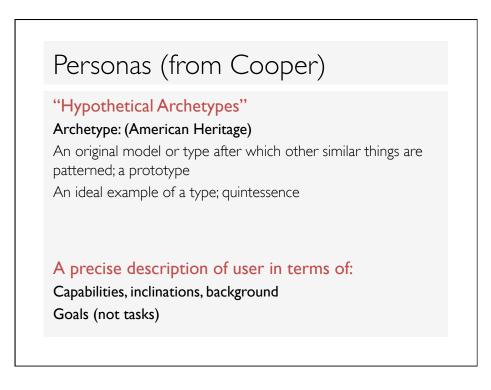
Master/apprentice can be hard

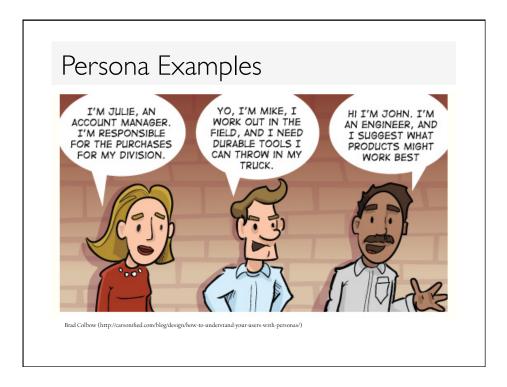
Staying in role – it's a lot like acting Don't correct! Its not a lesson! Its hard not designing on the fly

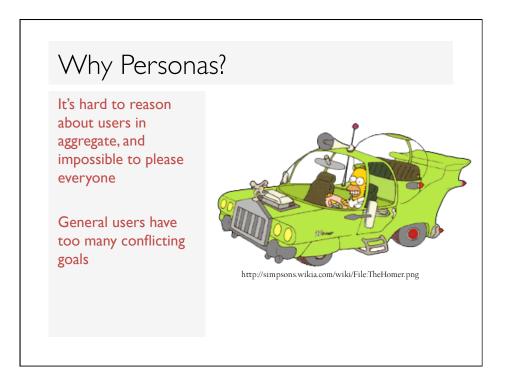
# Topics

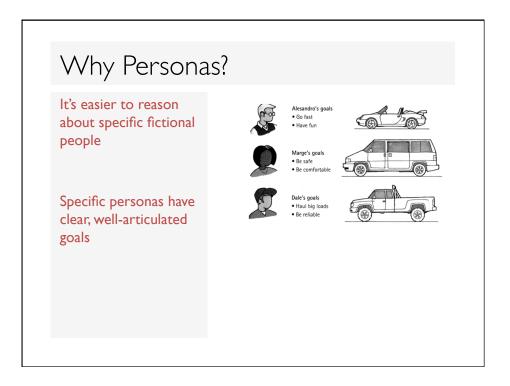
Personas Affordances Conceptual Models Design Principles The Action Cycle

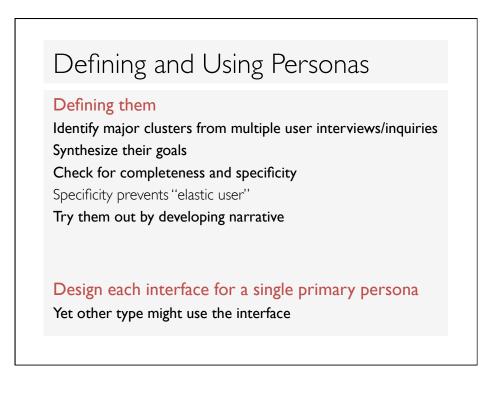
Personas						



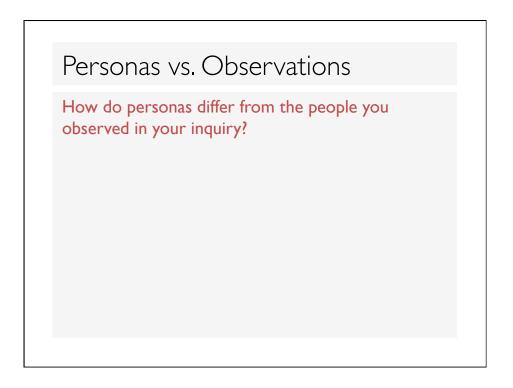


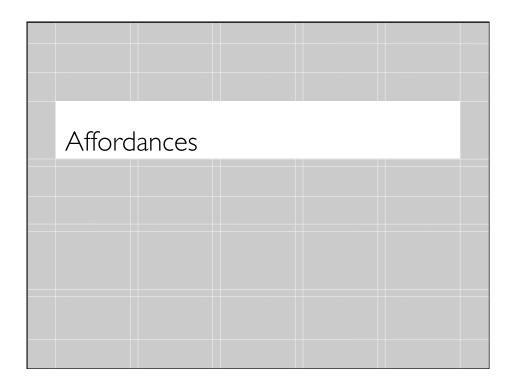


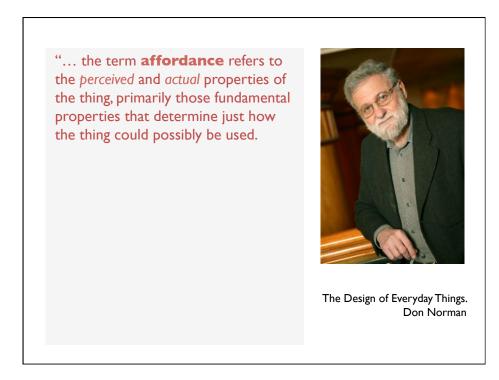




	AMANDA	GLORIA	CHARLES
Age	7	34	66
Occupation	Second grade student	Part-time office administrator	Retired accountant
Home Life	Lives with her mother, father, and younger sister in the suburbs of a large city.	Lives with her husband and two children in a mid-sized city.	Lives with his wife in the suburbs; has four children and six grandchildren.
Education	In elementary school	Has a bachelor degree	Has an MBA
		LIFESTYLE	
Activities	Plays soccer, reads, and takes ballet lessons; saves her birthday money and allowance to spend at the mall.	Enjoys crossword puzzles and reading mystery novels. Spends a lot of time driving her children to activities.	Likes to work in the garden and drink wine. Enjoys traveling with his wife and investing in the stock market.
Ultimate Goal	Goal is to turn 10 so that	Goal is to make sure her	Goal is to make sure







"... the term **affordance** refers to the *perceived* and *actual* properties of the thing, primarily those fundamental properties that determine just how the thing could possibly be used.

Some affordances obvious Knobs afford turning Buttons afford pushing Glass can be seen through



The Design of Everyday Things. Don Norman

"... the term **affordance** refers to the *perceived* and *actual* properties of the thing, primarily those fundamental properties that determine just how the thing could possibly be used.

#### Some affordances obvious

Knobs afford turning Buttons afford pushing Glass can be seen through

Some affordances learned Glass breaks easily



The Design of Everyday Things. Don Norman





# Door Handles

### Affordances suggest how to use the object







# Door Handles

### Affordances suggest how to use the object





# Cultural Dependencies

D

Affordances suggest how to use the object

Can be dependent on the Experience Knowledge Culture Switches (US down=off, UK down=on) red = danger, green = go

Can make an action easy/difficult



### Perceived Affordances

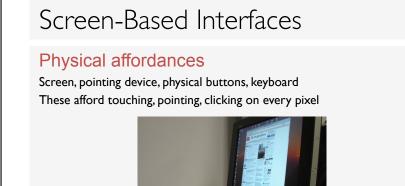
Affordances suggest how to use the object

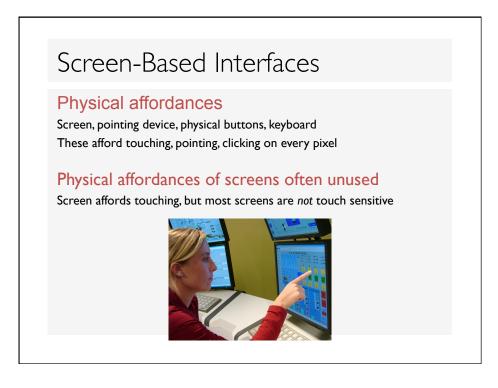
Can be dependent on the Experience Knowledge Culture of the actor

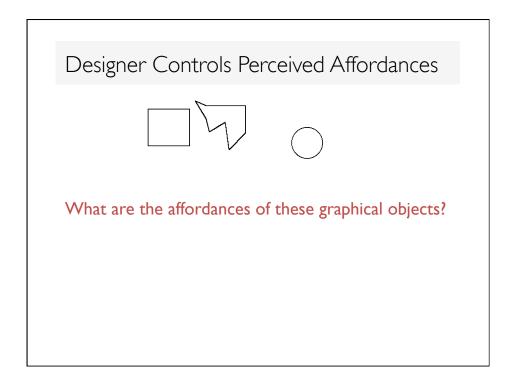
Can make an action easy/ difficult

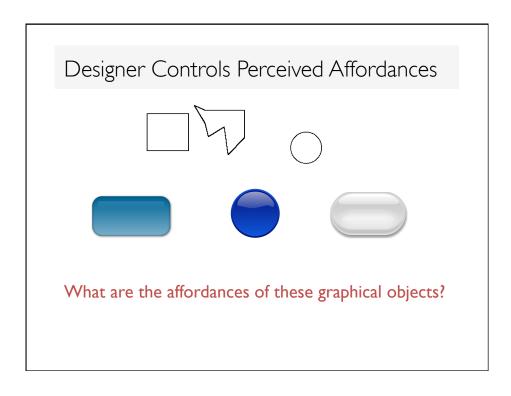
Affordances may be *perceived* without actually existing

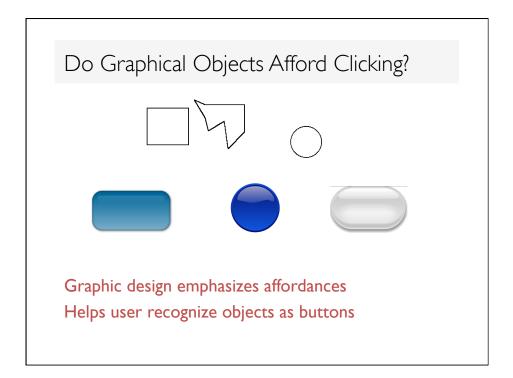


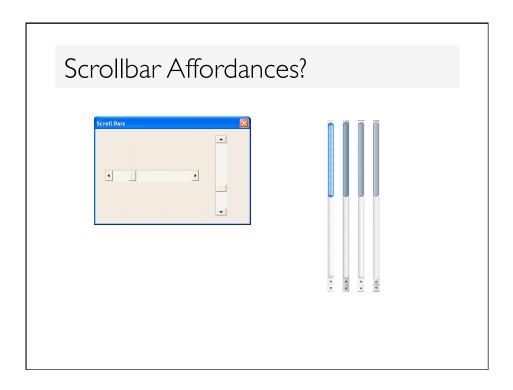


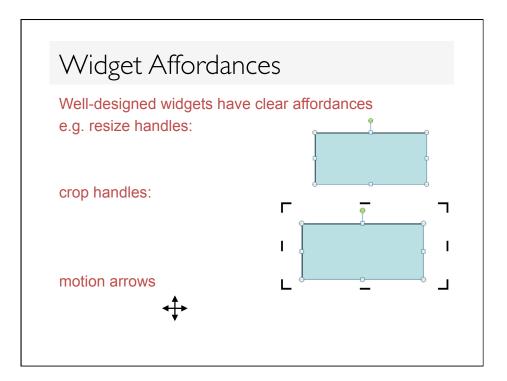


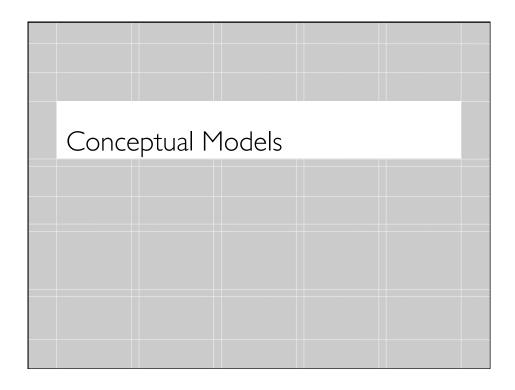


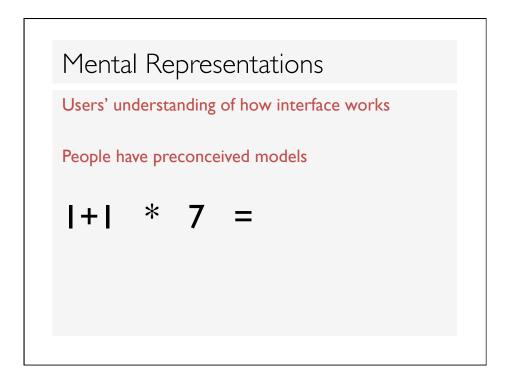


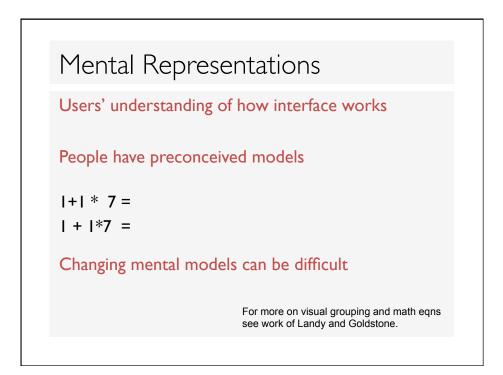


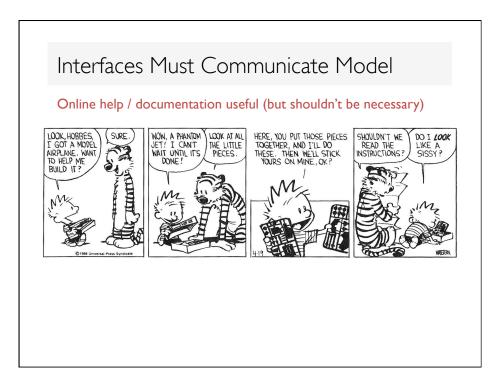


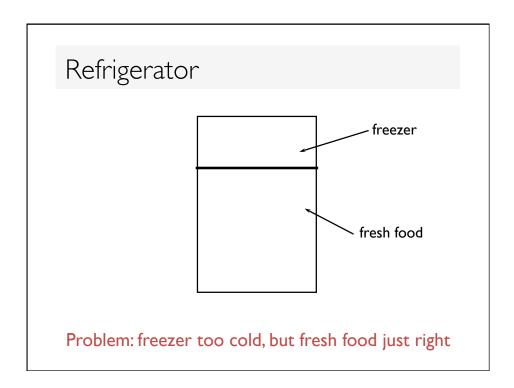


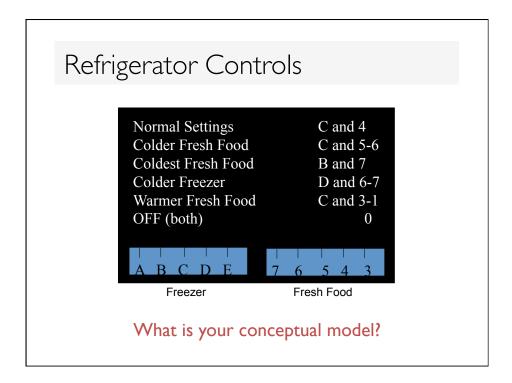


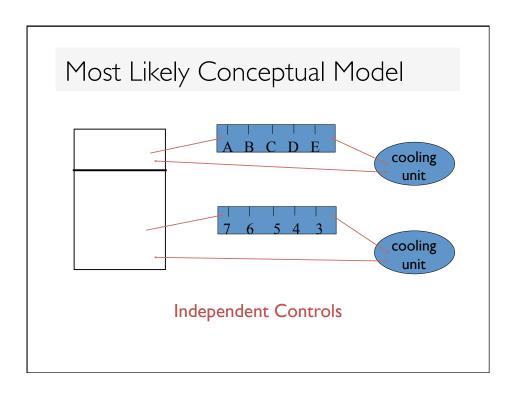


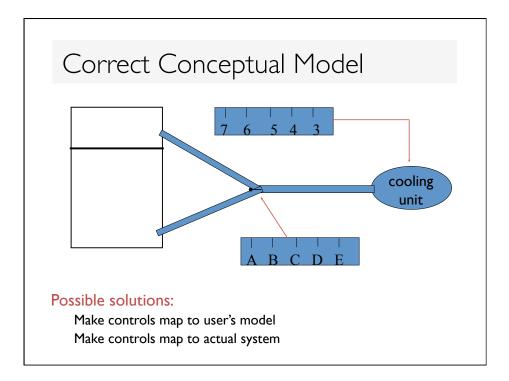


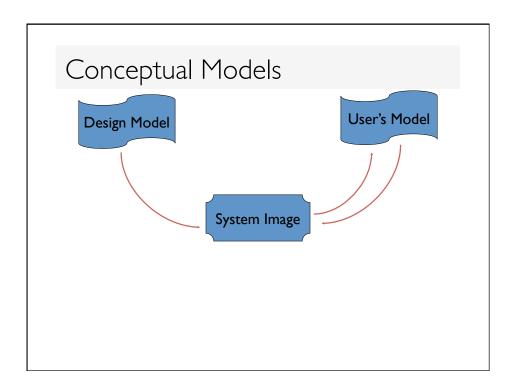


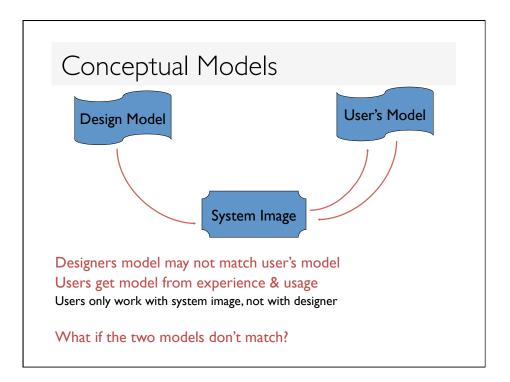


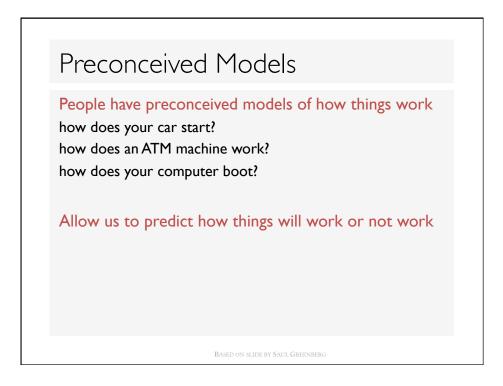


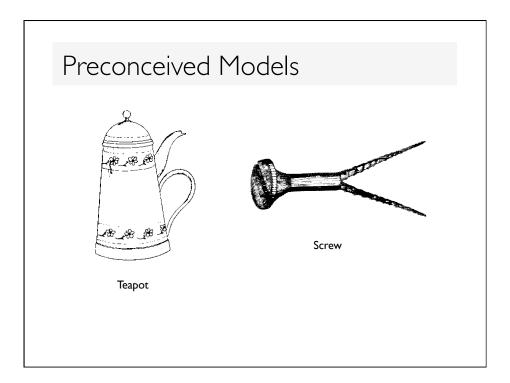


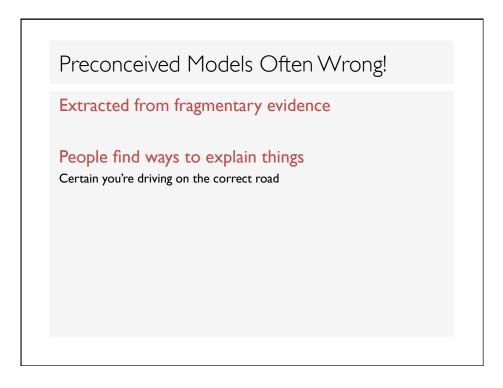












Design Principles						

