HCI: INTERFACE DESIGN

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First, the news...

- Privacy dark patterns
- http://darkpatterns.org/privacy-zuckering/
First, the news...

- Privacy dark patterns

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First, the news...

- Privacy dark patterns
Course feedback

Helpfulness of Groups and Tutorials

- Very Helpful: 4 (Groups), 12 (Tutorials)
- Helpful: 33 (Groups), 25 (Tutorials)
- Unhelpful: 9 (Groups), 7 (Tutorials)
- Very unhelpful: 0 (Groups), 1 (Tutorials)
State diagrams
Today’s challenge: Microwave app

- We are going to have a running example today of a microwave
- Start with microwaves themselves
- Move on to apps
Today's challenge: Microwave app

We are going to have a running example today of a microwave phone app.

1. Start
2. Set time
3. Set cooking mode
4. Cooking
5. Sound "Bing"
6. Door open button pressed
7. Done
Think-pair-share

- Draw the state diagram for this microwave from the following two start buttons
- +/- knob
- Timer button
What do people use microwaves for? Why might they need an app?
Microwave app requirements

- Display status of the microwave (off, on, full, empty)
- If full, see when the timer went off
- Read temperature of food
- Peek at food (video of food)
- Remotely set new power level and time
- Remotely start microwave
Try and draw a microwave app that does all of this

- Display status of the microwave (off, on, full, empty)
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- Remotely start microwave
Design Patterns

A large number of examples drawn from:
http://ui-patterns.com/
**UI Pattern card deck**

- Set of ideation cards used to help designers think through what kind of UI elements might be needed
- Helps designers think about all the options and how they match the needs
Setting the time

- Flexible format

- Structured format
Setting the time

- Flexible format

- Fill in the blank

- Structured format
Storyboards
Questions?