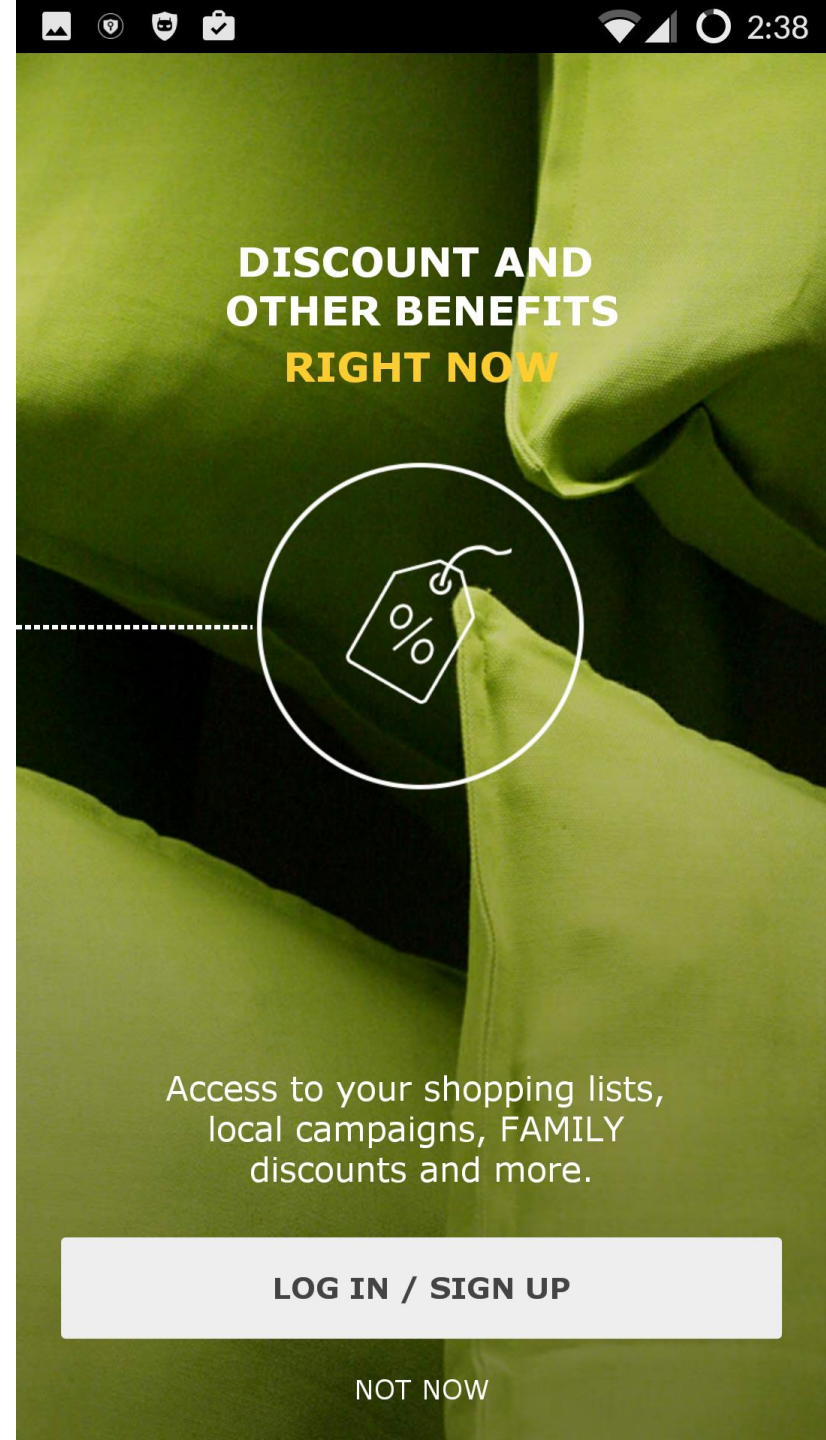


HCI: INTERFACE DESIGN

Dr Kami Vaniea

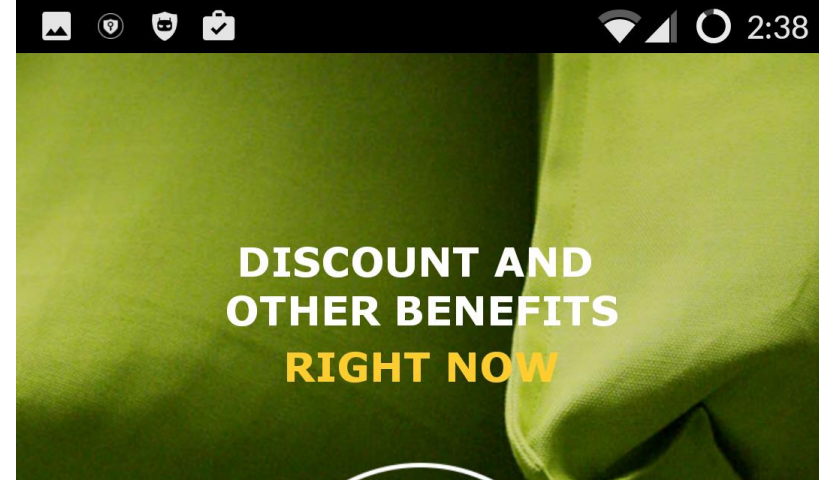
First, the news...

- Privacy dark patterns
- <http://darkpatterns.org/privacy-zuckering/>



First, the news...

- Privacy dark patterns



Access to your shopping lists,
local campaigns, FAMILY
discounts and more.

LOG IN / SIGN UP

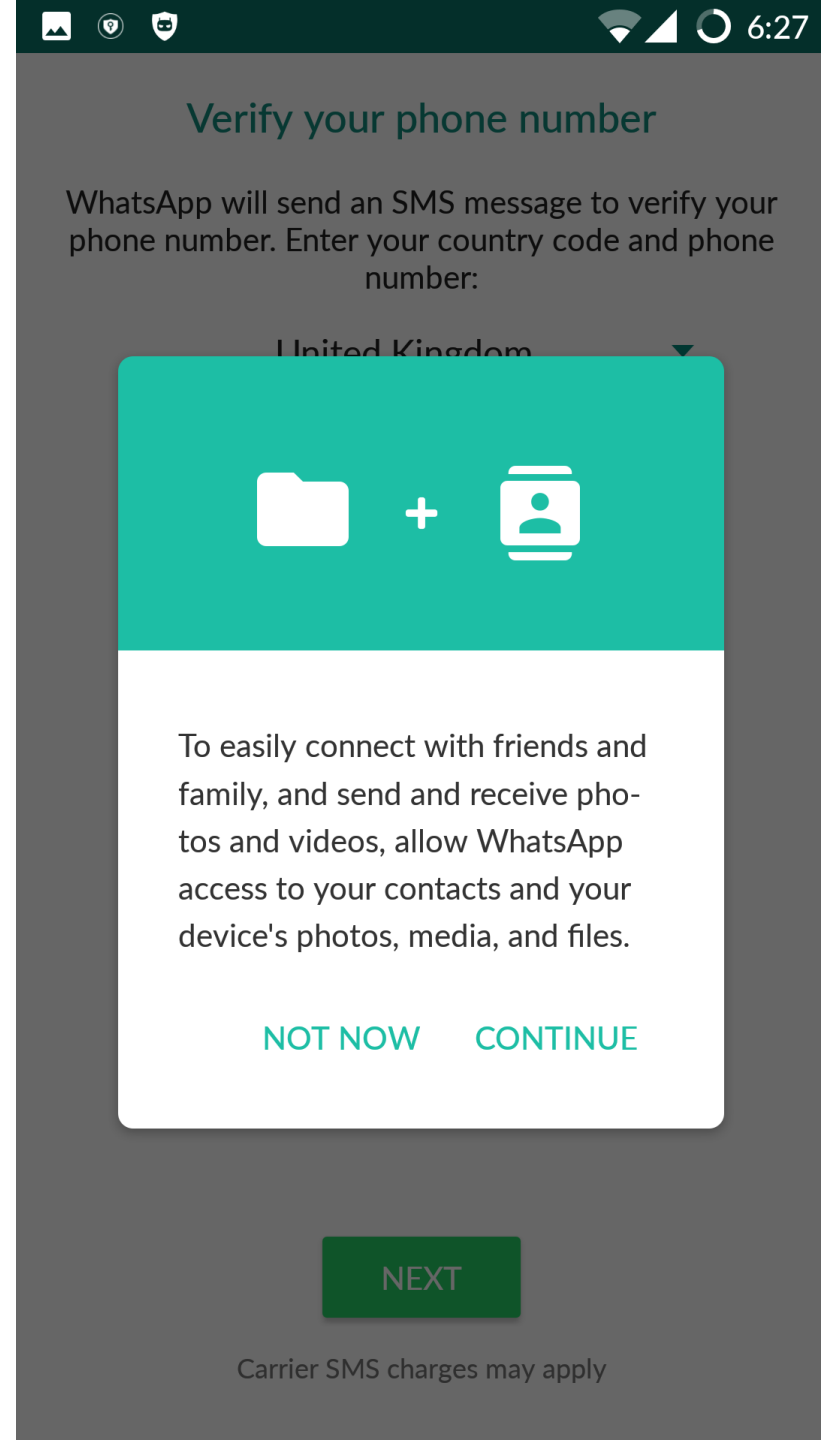
NOT NOW

LOG IN / SIGN UP

NOT NOW

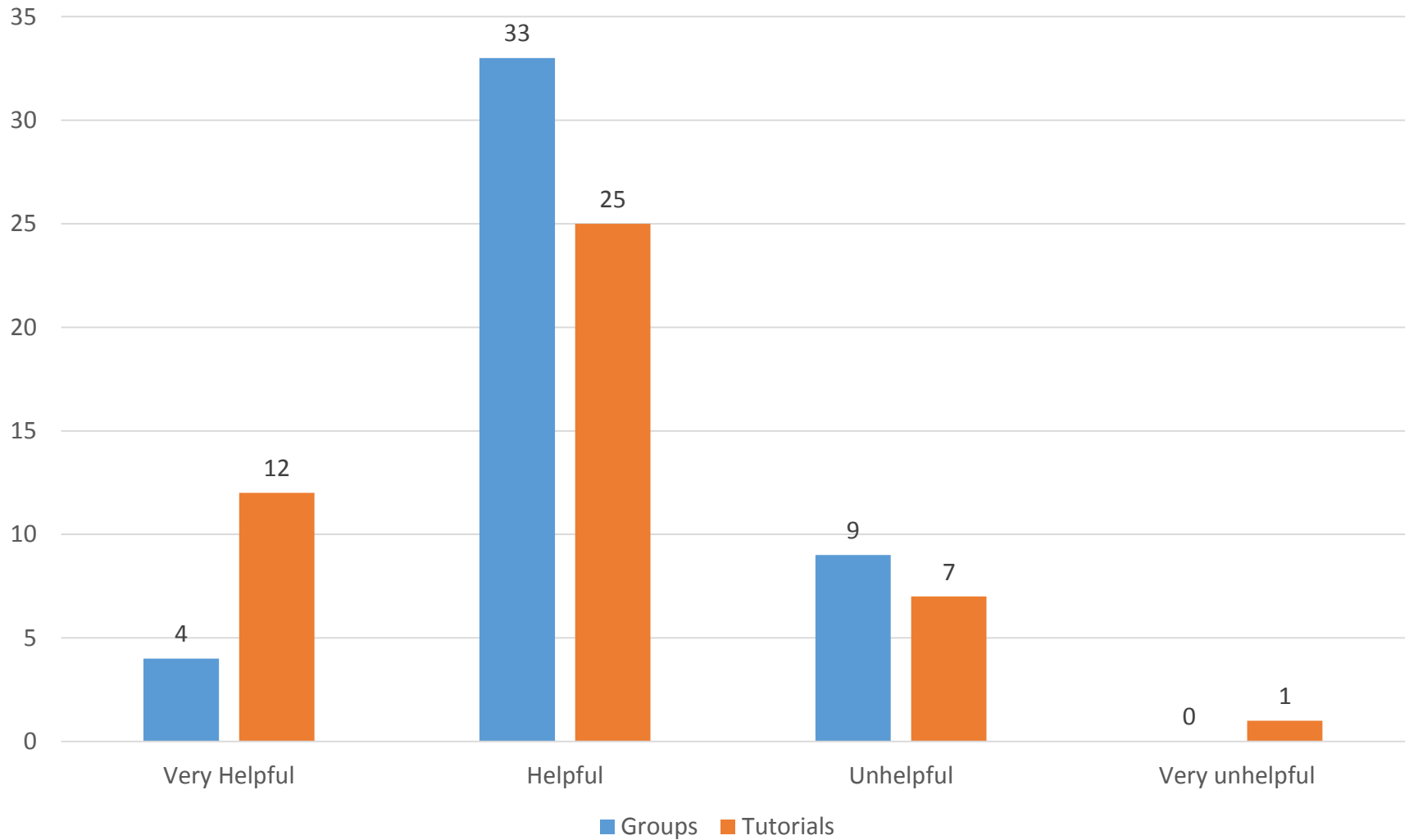
First, the news...

- Privacy dark patterns



Course feedback

Helpfulness of Groups and Tutorials

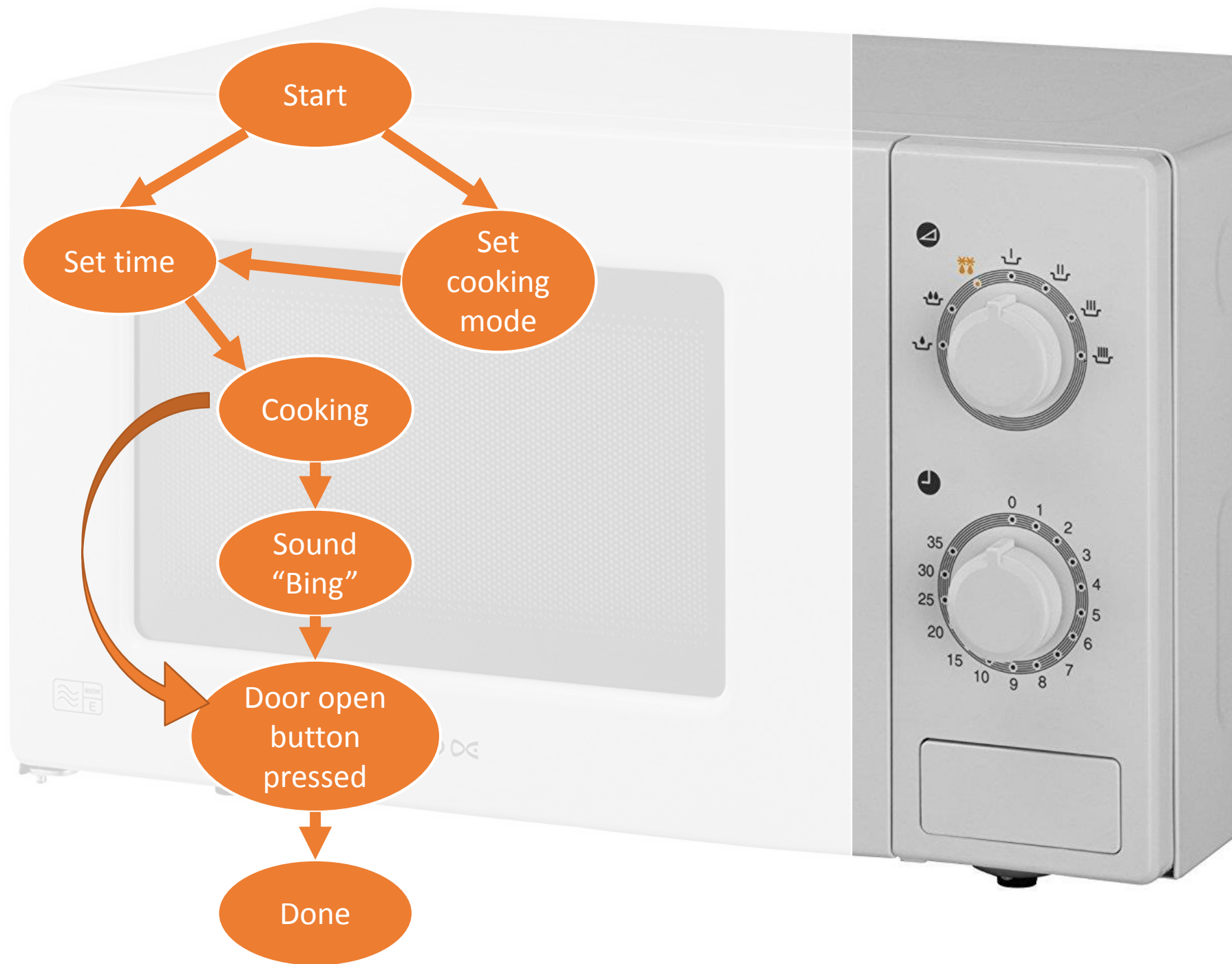


State diagrams

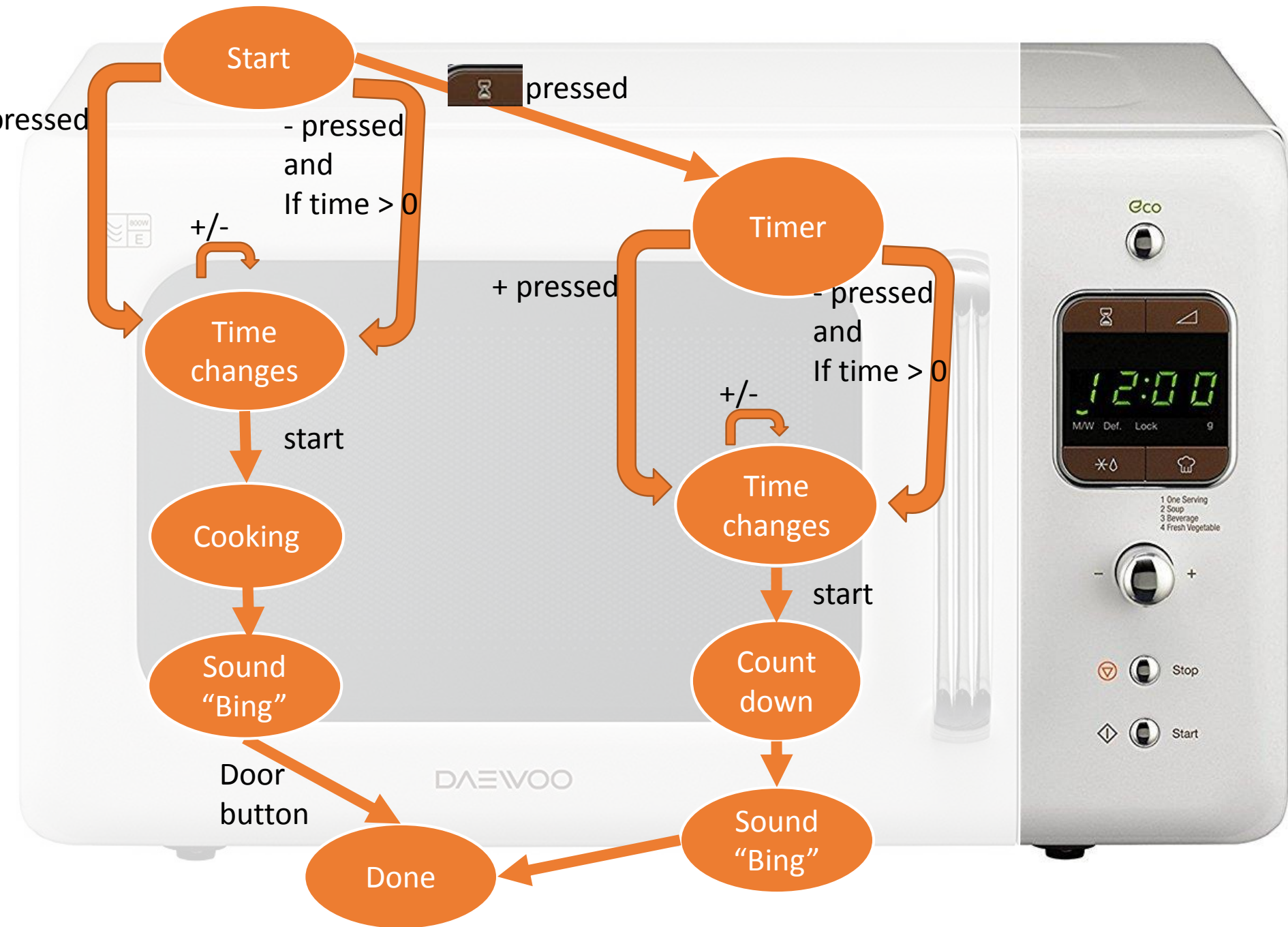
Today's challenge: Microwave app

- We are going to have a running example today of a microwave
- Start with microwaves themselves
- Move on to apps





- Draw the state diagram for this microwave from the following two start buttons
- +/- knob
- Timer button





DAEWOO

8.8.8.8

• Auto cook menu

- 1.Bread
- 2.Soup
- 3.Baked Potato
- 4.Fresh Vegetable
- 5.Frozen Vegetable



AUTO
COOK

Power

Defrost

Clock

Beverage

Pasta

Frozen Pizza

10 min.

1 hour

1 min.

10 min.

10 sec.

1 min.

STOP/
Clear

START/
+30 sec

KOR-6L6BD



**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)
- 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

Design Patterns

A large number of examples drawn from:

<http://ui-patterns.com/>

UI Pattern card deck

- <http://ui-patterns.com/>
- 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



A screenshot of a flight booking interface. At the top, it says "Add an event". Below this is a large, empty text input field. Underneath the input field, the text "6pm Dinner" is displayed, followed by a link that says "(Enter dates and times)".



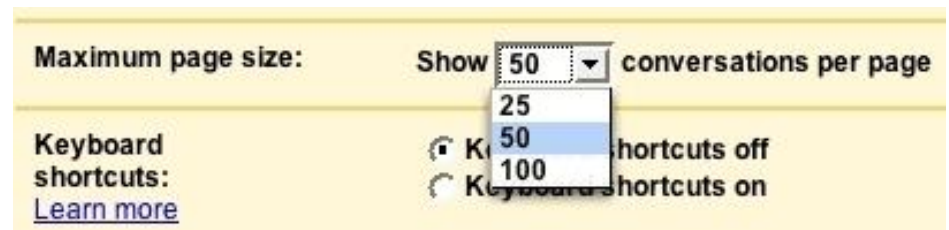
A screenshot of a flight booking interface showing various options. It includes fields for "Depart" and "Return" dates, both set to "DD/MM/YY". There are checkboxes for "One way only" and "My dates are fixed". A "Class" dropdown menu is set to "Economy". A "Ticket type" section has radio buttons for "Lowest" (selected) and "Flexible". Below this, there are three columns for "Adults (12+)", "Children (2-11)", and "Infants (0-2)", each with a spinner control showing the number of passengers (1, 0, and 0 respectively).

Setting the time

- Flexible format
- Fill in the blank
- Structured format



A screenshot of a web form titled "Add an event". It features a large, empty text input field. Below the field, the text "6pm Dinner" is followed by a link that says "(Enter dates and times)".



A screenshot of a settings menu. It has a yellow background. The first row shows "Maximum page size:" followed by "Show" and a dropdown menu currently set to "50", and then "conversations per page". The dropdown menu is open, showing options "25", "50" (highlighted), and "100". The second row shows "Keyboard shortcuts:" with a link "Learn more" and two radio buttons: "Keyboard shortcuts off" (selected) and "Keyboard shortcuts on".



A screenshot of a flight booking form. It includes fields for "Depart" and "Return" dates, both with "DD/MM/YY" placeholders. There are checkboxes for "One way only" and "My dates are fixed". A "Class" dropdown menu is set to "Economy" with a link "what's this?". A "Ticket type" section has radio buttons for "Lowest" (selected) and "Flexible", with a link "what's this?". Below this are three columns for "Adults (12+)", "Children (2-11)", and "Infants (0-2)", each with a numeric input field showing "1", "0", and "0" respectively.

Storyboards

Questions?