

# Everyday Life Feedforward

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# Motivation

A still life photograph of a breakfast table. In the foreground, a white plate holds several golden-brown crepes, some rolled up. To the left, a metal sieve contains white powder, likely flour or sugar. In the background, a white ceramic vase with a floral pattern holds two white flowers. To the left of the vase, a small white bowl contains several white eggs. The background is a red brick wall. The entire scene is set on a white lace doily.

- various interaction problems in everyday life
- interaction with (multiple) devices or people

# Running Example



... for now, let's focus on preparing pancakes ...

# Design Dimensions

- Activation
- Presentation
- Level of Detail
- Goals

# Design Dimensions

- **Activation** *User-triggered\**
- Presentation
- Level of Detail
- Goals

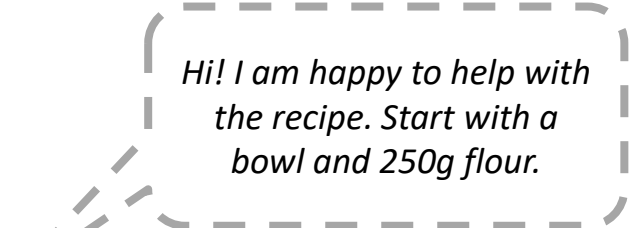
*System-triggered\**

\* Delamare, William, Céline Coutrix, and Laurence Nigay. "Designing guiding systems for gesture-based interaction." *Proceedings of the 7th ACM SIGCHI Symposium on Engineering Interactive Computing Systems*. ACM, 2015.

# Design Dimensions

- **Activation**
- Presentation
- Level of Detail
- Goals

*User-triggered\**



*Hi! I am happy to help with the recipe. Start with a bowl and 250g flour.*

*System-triggered\**

\* Delamare, William, Céline Coutrix, and Laurence Nigay. "Designing guiding systems for gesture-based interaction." *Proceedings of the 7th ACM SIGCHI Symposium on Engineering Interactive Computing Systems*. ACM, 2015.



# Design Dimensions

- **Activation**
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*User-triggered\**

*Hi! You just took flour. Are you planning to prepare a dough? Here you can find a bowl and blender.*

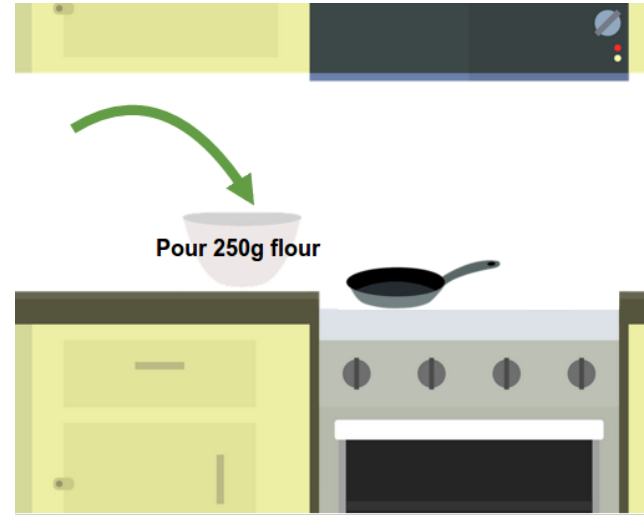
*System-triggered\**

*Attention! Your pancake is about to burn!*

\* Delamare, William, Céline Coutrix, and Laurence Nigay. "Designing guiding systems for gesture-based interaction." *Proceedings of the 7th ACM SIGCHI Symposium on Engineering Interactive Computing Systems*. ACM, 2015.

# Design Dimensions

- Activation
- **Presentation**
- Level of Detail
- Goals

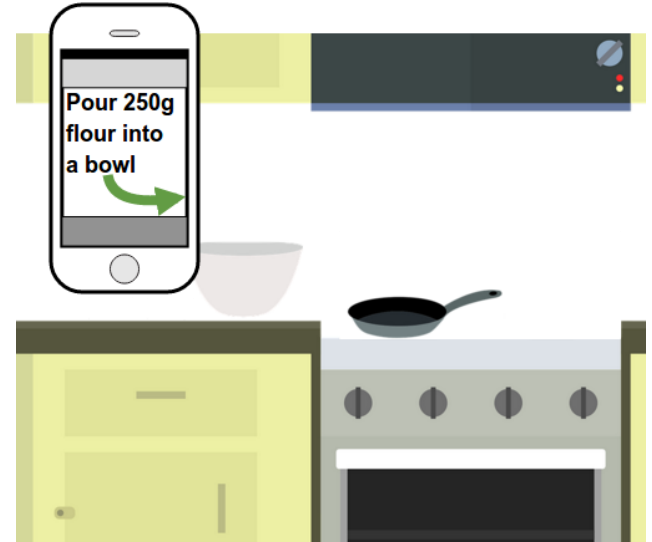


*Real world*



# Design Dimensions

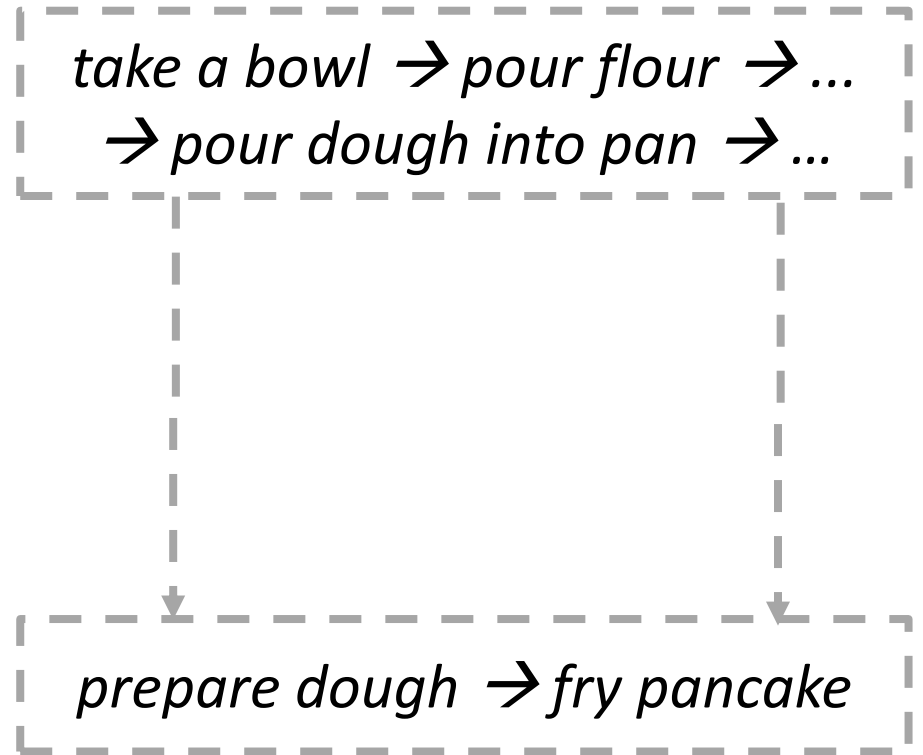
- Activation
- **Presentation**
- Level of Detail
- Goals



*UI*

# Design Dimensions

- Activation
- Presentation
- **Level of Detail**
- Goals



# Design Dimensions

- Activation
- Presentation
- Level of Detail
- **Goals**



# Design Dimensions

- Activation
- Presentation
- Level of Detail
- **Goals**

*Performance & Efficiency*

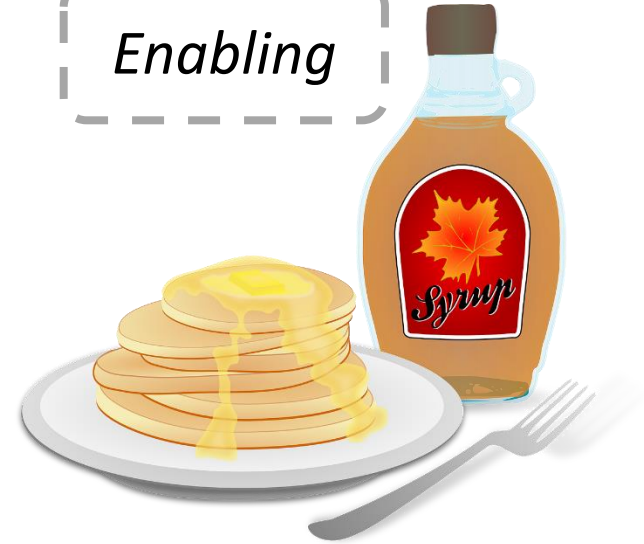


# Design Dimensions

- Activation
- Presentation
- Level of Detail
- **Goals**

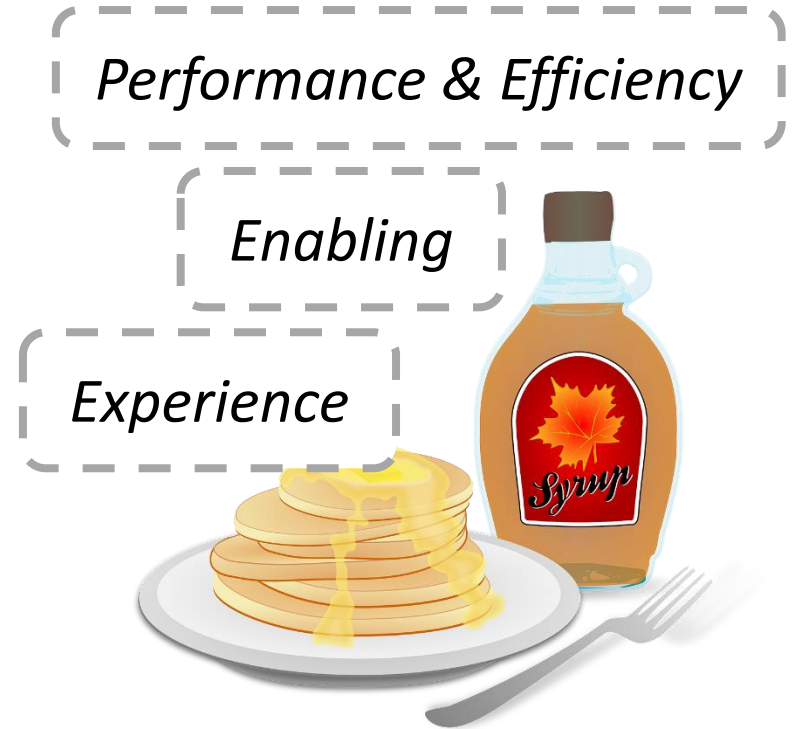
*Performance & Efficiency*

*Enabling*



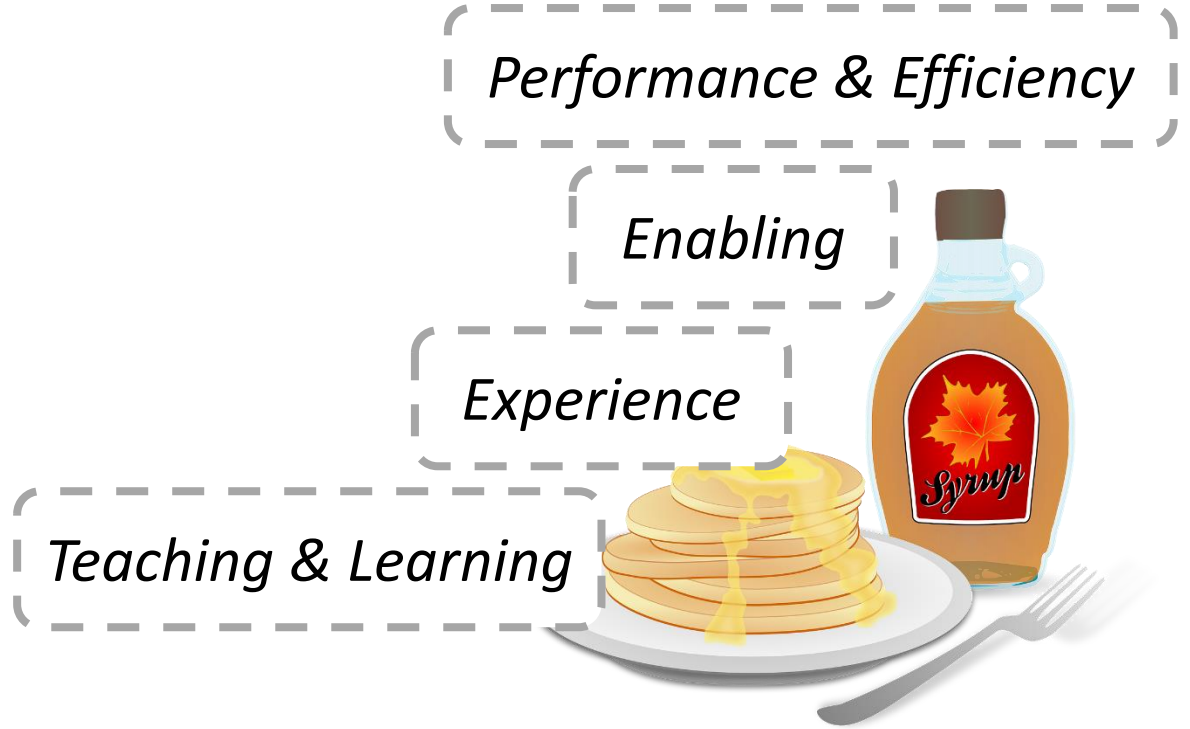
# Design Dimensions

- Activation
- Presentation
- Level of Detail
- **Goals**



# Design Dimensions

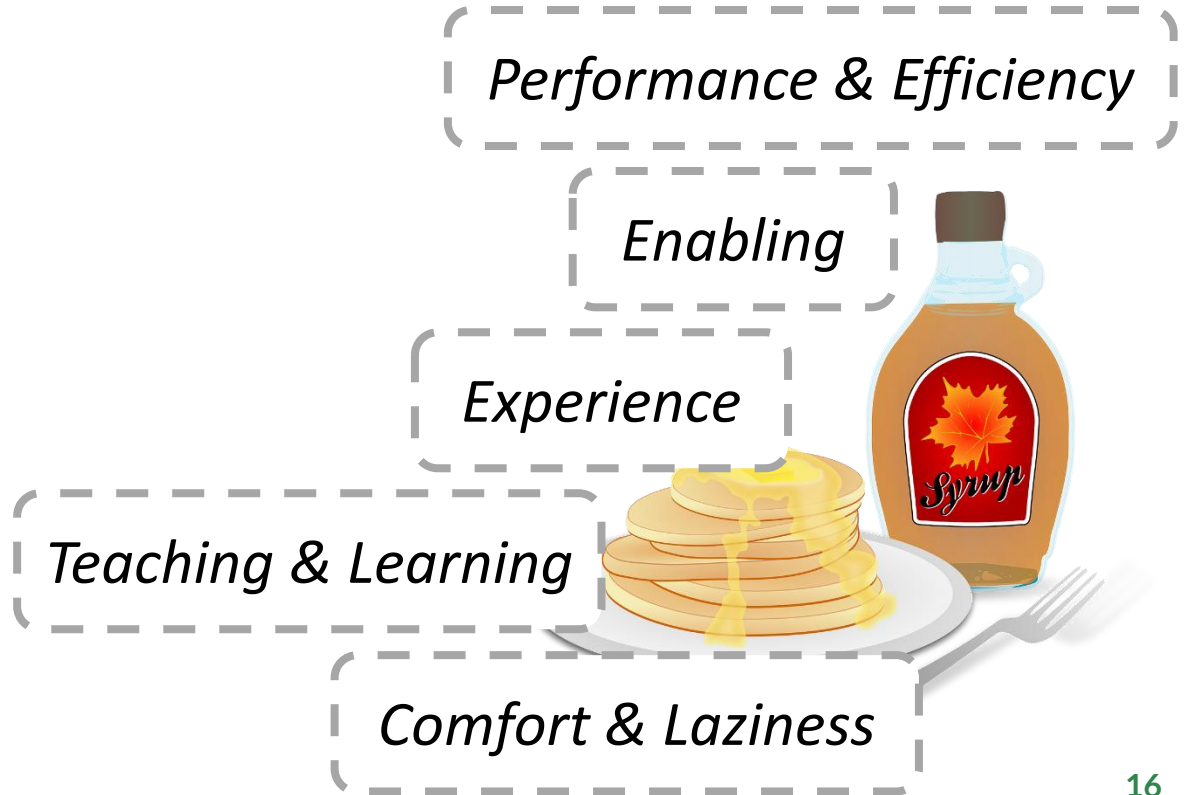
- Activation
- Presentation
- Level of Detail
- **Goals**





# Design Dimensions

- Activation
- Presentation
- Level of Detail
- **Goals**



# Challenges

A still life photograph of a breakfast table. In the foreground, a white plate holds several golden-brown crepes, some rolled up. To the left, a metal mesh strainer sits on a surface. In the background, a white ceramic vase with a floral pattern holds two white flowers. To the left of the vase, a small basket contains several white eggs. The background is a red brick wall. A semi-transparent dark overlay covers the middle of the image, containing text.

- **Appropriation & Integration**
- **Learning & Support**
- **Shift & Consistency**

## Everyday Life Feedforward

Thank You!

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