

Speak, See, Write

Lightening Talk
TPAC Boston 2007

Multimodal Interaction

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Invited Expert

Chair, Multimodal Interaction WG

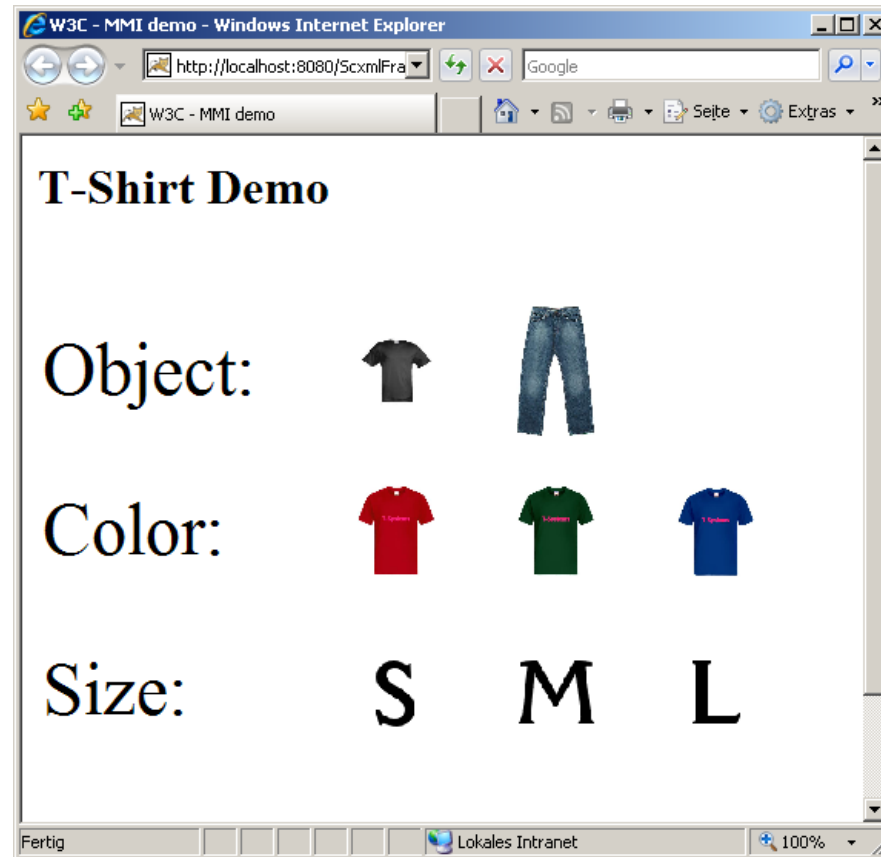
Speak, See, Write

Interact with the web using

- GUI
- Voice
- Pen
- Haptics

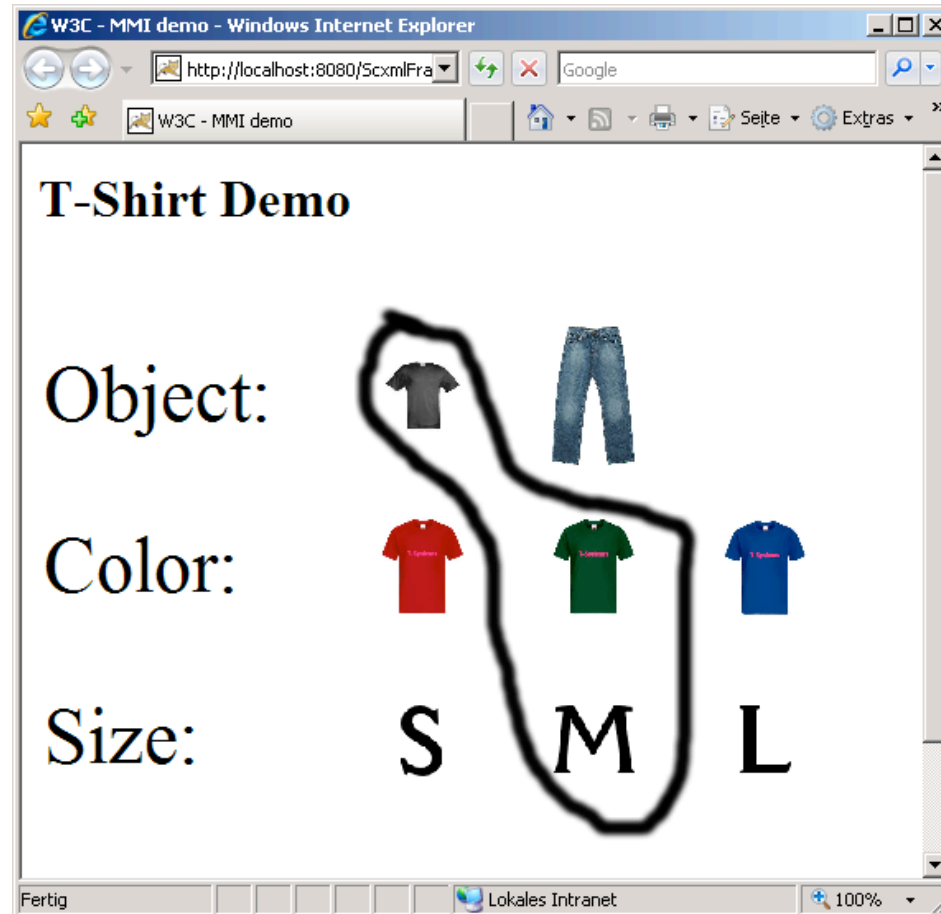
Example

Composite input:
allowing input from
different modalities
at the same time,
•"I'd like a T-Shirt in
large in this color"

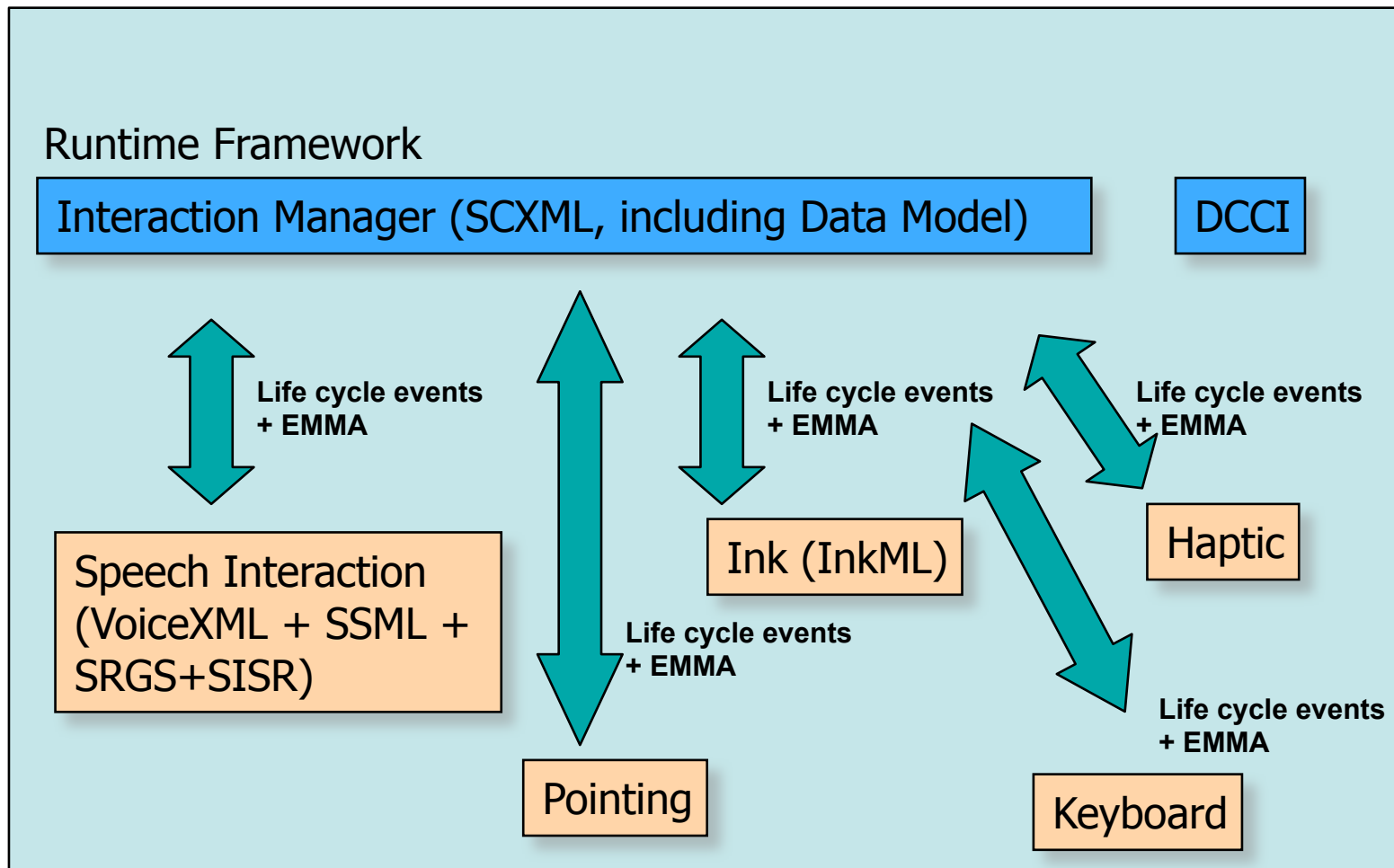


With Ink

“I want this”



Instantiated MMI Architecture



Summary: MMI Architecture

A loosely-coupled, event-based architecture for integrating multiple modalities into applications

- Modality components can be local or distributed
- All communication is event-based
- Based on a set of standard life-cycle events
- Components can also expose other events as required
- Encapsulation protects component data and enhances extensibility to new modalities
- Represents user inputs in a standard way (EMMA)