Avoiding the Big Crash

Bill Buxton
Principal Researcher, MSR
wasbuxton
bill.buxton@Microsoft.com
www.billbuxton.com
The Long Nose

1984 Early Multi-Touch

Radar

2007 iPhone

~ 20 years

$1B

Ubiquitous Computing

- everywhere
- transparent
Boards, Pads & Tabs
Codify the known
=
Entrench the *Status Quo*?
Lowest Common Denominator or Play to Individual Strengths?
Screen Width

Range of reach
Example of In-Place Commands

Compare to PPT Draw tool Ribbon

Ribbon as Palette?
Bimanual In-Place Commands with Pen and Touch
The more you eat, the more you want.
Of the collection of devices

Of the individual device

Threshold of frustration
2 Rules

1. Every new product and service must provide great experience and excellent value—it works, flows & has demand.

2. But each must also reduce the complexity and increase the value of all of the others. Things work together.
Seamless Aggregation & Disaggregation

Graceful Augmentation & Degradation
Seamless
Graceful

Tech
Fn

Qualities

Transitions

Aggregation & Disaggregation

Augmentation & Degradation
Panelrama

ENABLING DISTRIBUTED DESIGN OF CROSS-DEVICE WEB APPLICATIONS

JISHUO YANG, DANIEL WIGDOR

dgp

dynamic graphics project

UNIVERSITY OF TORONTO

Speaker Notes
Panelrama
ENABLING EASY SPECIFICATION OF CROSS-DEVICE WEB APPLICATIONS
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dgp dynamic graphics project
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Motivations

Pros and cons of computing devices
Motivations

Proliferation of computing devices
- More Powerful
- More Affordable
- More form factors
Good afternoon, everyone. I am here to present to you Panelrama, a web framework enabling UI distribution across multiple devices. This work is done by myself, Jishuo Yang and Daniel Wigdor at the University of Toronto. My colleague, Peter, had just presented to you an
In the Wild
Do you know this guy?

Do you like this guy?

Are you this guy?

Do you like who makes you this guy?

Natural?

Fix on device?
What if things just worked?
What if things just worked together?
What if things just worked together seamlessly?
What if in so doing, complexity went down, and value up, for everything?
What if we created developer’s tools to facilitate making this happen?
Now that we could do anything
What should we do?

Photo: Marko Prezelj
Thankyou

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billbuxton.com