

# Multitouch and Multiuser Design

Museums and the Web 2011



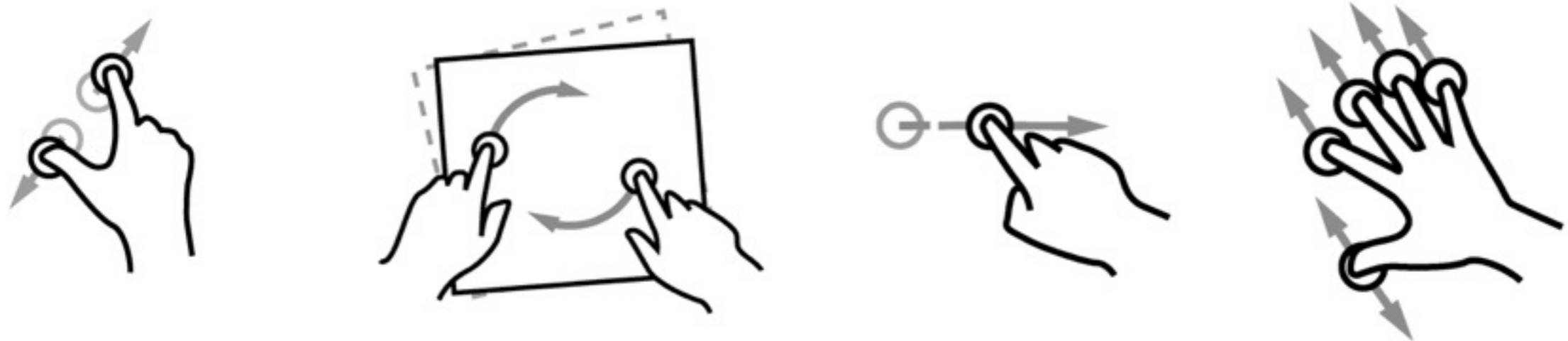
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# Final Thoughts

Questions Going Forward

# Multitouch Interaction

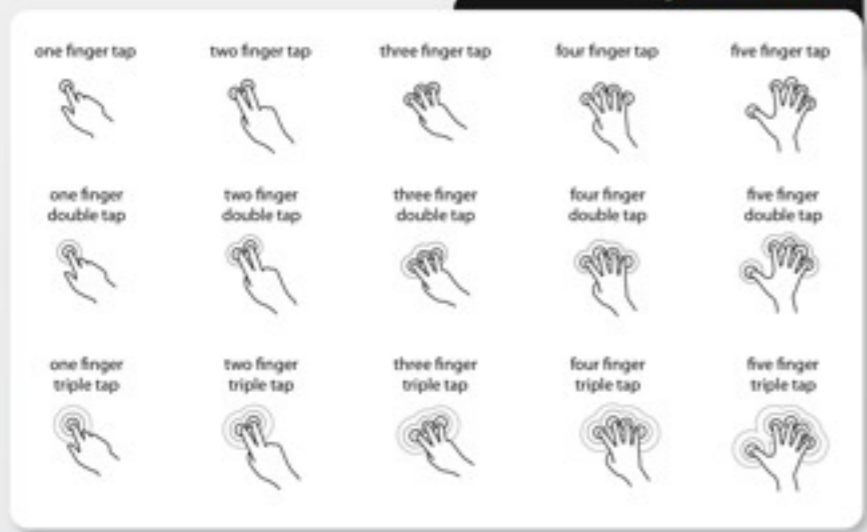


- Currently there is a very limited number of “intuitive gestures” that visitors know. How rapidly will new ones emerge?
- Can we expect to “teach” visitors new ones? Or will we have to wait, as new gestures emerge on personal and embedded devices?

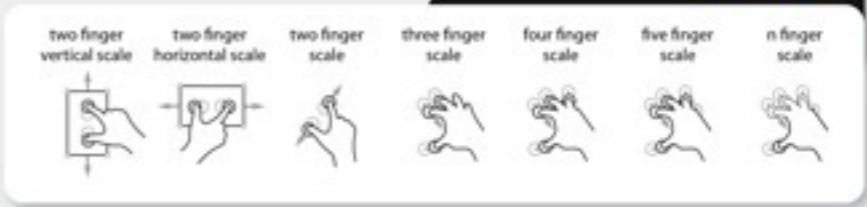


# MULTITOUCH GESTURES

## Tap Gestures



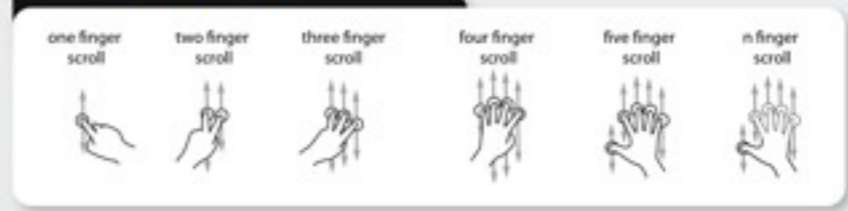
## Scale Gestures



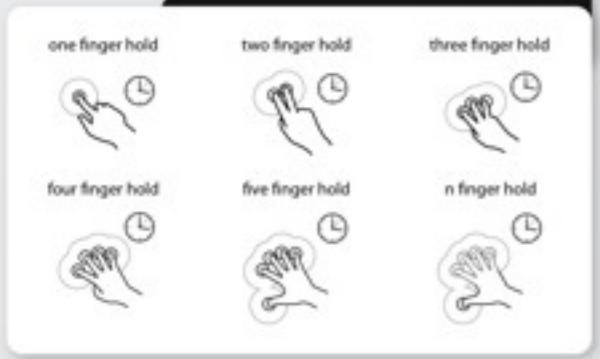
## Rotate Gestures



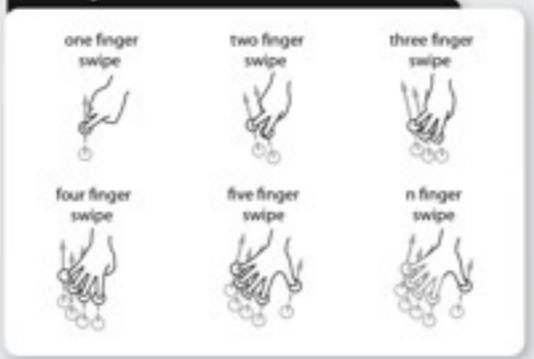
## Scroll Gestures



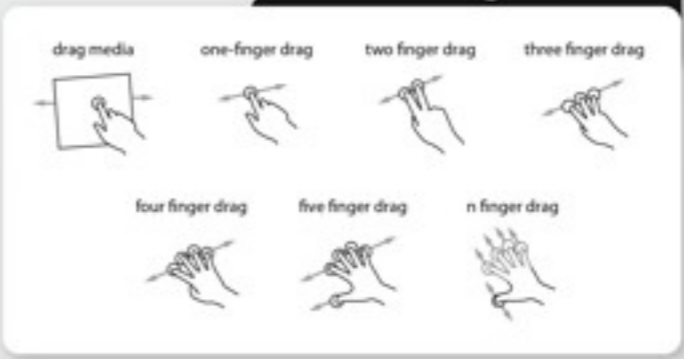
## Hold Gestures



## Swipe Gestures



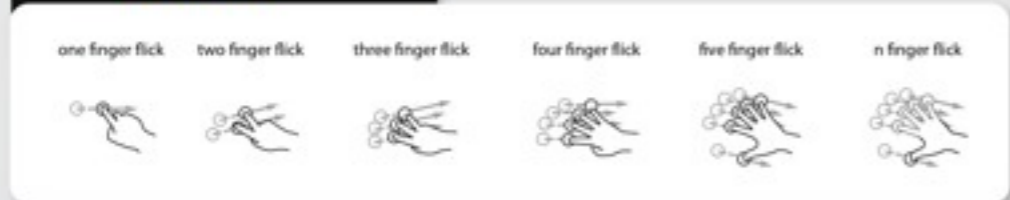
## Drag Gestures



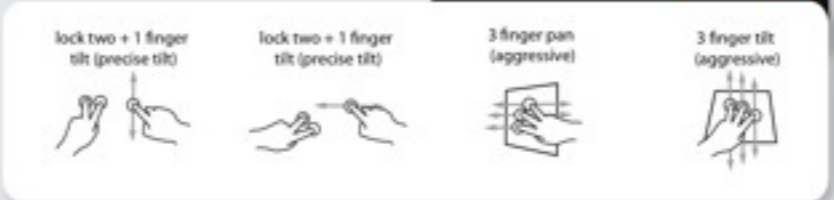
## Split Gestures



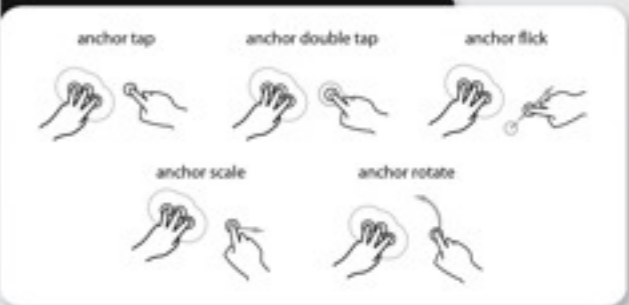
## Flick Gestures



## 3D Gestures

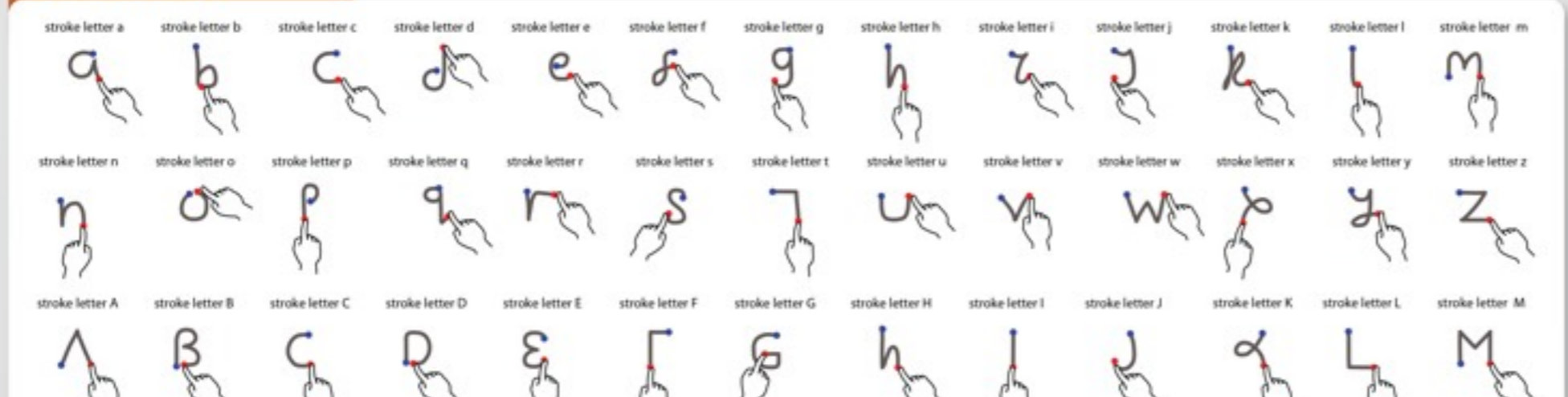


## Anchor Gestures

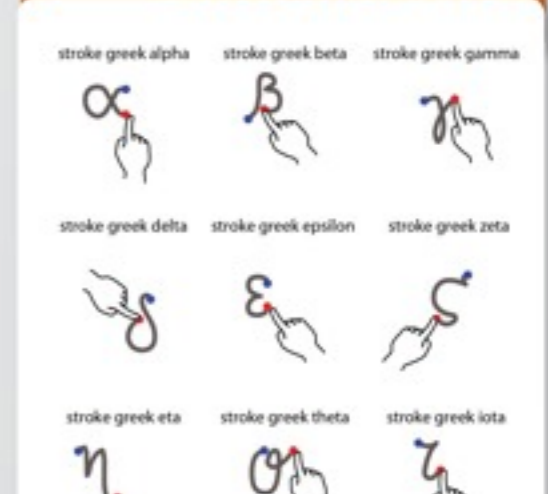


# STROKE GESTURES

## Letter Strokes



## Greek Symbol Strokes



# Natural User Networking?



<http://www.engadget.com/2011/03/24/konnectus-cloud-based-software-makes-easy-cross-platform-sharing/>

- Will next step forward be in networking?
- Can more effortless systems for sharing media between devices and platforms take hold?



# Join Us

The screenshot shows the Open Exhibits website homepage. At the top left is the logo "Open exhibits". To the right is a navigation menu with links for "SOFTWARE", "RESEARCH & DESIGN", "TUTORIALS", and "SUPPORT". Below the navigation, there are links for "you are not logged in: Join Now | Log In" and "Member Directory".

The main content area features a large heading: "Help Design the Next Step in Computer Interactives". Below this is a sub-heading: "Open Exhibits is a multitouch, multiuser software initiative. The software is free to students, museums and other educational organizations." To the right of this text is a circular diagram with segments labeled "Education", "Visitor", "Design", "Software", and "Research".

On the right side of the main content area, there are several statistics and widgets:

- Downloads:** 3 7 0 3
- Days Since Site Launch:** 134
- Site Members:** 0 8 0 4
- Open Exhibits Workshop at Museums and the Web Conference 2011:** 06 APR
- Open Exhibits and Ideum Exhibit Booth at AAM Expo May 22-25, 2011:** (with a small icon)
- Open Source Gestures:** 203 (with a hand icon pointing to a screen)
- 74% of Museums Produced Computer Interactives in 2009:** (with a pie chart icon)
- 74 Push:** (with a thumbs up icon)
- 1541 Followers:** (with a Twitter icon)
- Location of Last Member:** (with a map icon showing various cities)
- 0 1 6 8 Articles:**
- 906 Subscribers:** (with an envelope icon)

At the bottom of the page, there is a footer with a logo for the National Science Foundation (NSF) and a disclaimer: "This material is based upon work supported by the National Science Foundation under Grant Number Division of Research on Learning in Formal and Informal Settings #1010028. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation." Below this is the text: "Open Exhibits is supported by Ideum. Open Exhibits Core is free for educational use and based on GestureWorks." To the right of the footer are links for "NEWS", "PARTNERS", and "CONTACT", and a "Connect" section with icons for Facebook, YouTube, Twitter, and LinkedIn.

[www.openexhibits.org](http://www.openexhibits.org)

# Thank You

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