Emerging Technology as Assistive Technology

The iPad, Accessibility, and Libraries

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http://bit.ly/MSULibCon11

What to expect

This session will discuss iPad accessibility features such as Zoom and VoiceOver, iPad applications designed to meet access needs, and how libraries can utilize iPads as low cost, flexible assistive technology solutions.

What to expect

- Basics
  - Library users and their access needs
  - What's assistive technology?
  - What's an iPad?
- iPad accessibility features
  - Vision
  - Hearing
  - Motor/physical

What to expect

- Apps
  - Built-in applications vs. developer apps
  - How to find apps for access
  - Specific apps
- Implications for libraries

People and their disabilities are unique

Assistive technology

"Any item, piece of equipment, or product system, whether acquired commercially, modified, or customized, that is used to increase, maintain, or improve functional capabilities of individuals with disabilities."

Individuals with Disabilities Education Act
http://idea.ed.gov/download/statute.html

iPad

"Apple's mobile, connected, multi-touch tablet device."

iPad accessibility features

Vision

- VoiceOver
- Zoom
- Large text
- White on black
- Speak auto-text
- Triple-click home

Vision
http://www.apple.com/accessibility/ipad/vision.html

Hearing

- Mono audio
  - Additional audio options
    - Headphone jack
    - Bluetooth audio
- FaceTime
- Closed captioning
- Visual alerts

Hearing
http://www.apple.com/accessibility/ipad/hearing.html

Physical/motor

- Size, weight
- Large display
- Tactile buttons
- Multiple orientations (sense or lock)
- Predictive text
- External keyboard support

Physical and Motor Skills
http://www.apple.com/accessibility/ipad/physical.html

Apps

- Built-in applications vs. developer apps
- How to find apps for access
- Specific apps

Apps for access

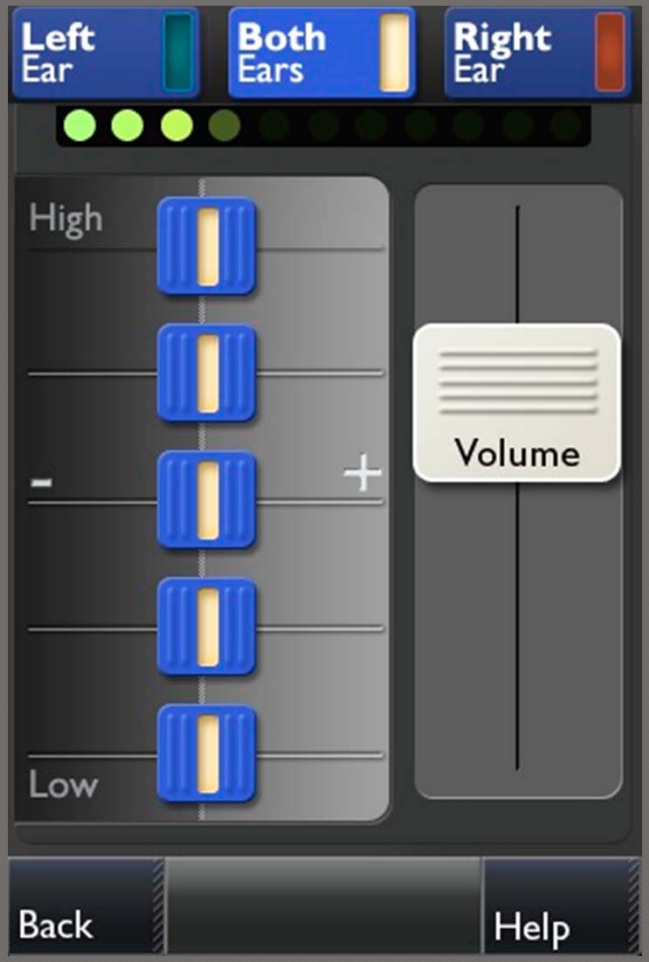
- App Store
  - "Special Education"
- Tools for Life
- Appolicious
  - Luis Perez (LuisP on Appolicious)

Proloquo2Go

- "Proloquo2Go provides a full-featured augmentative and alternative communication solution for people who have difficulty speaking."
- Preview
- Developer site

Image: http://www.proloquo2go.com/local/cache-vignettes/L500xH667/iPad_Vert_sRGB_0310-Home-6f241.jpg

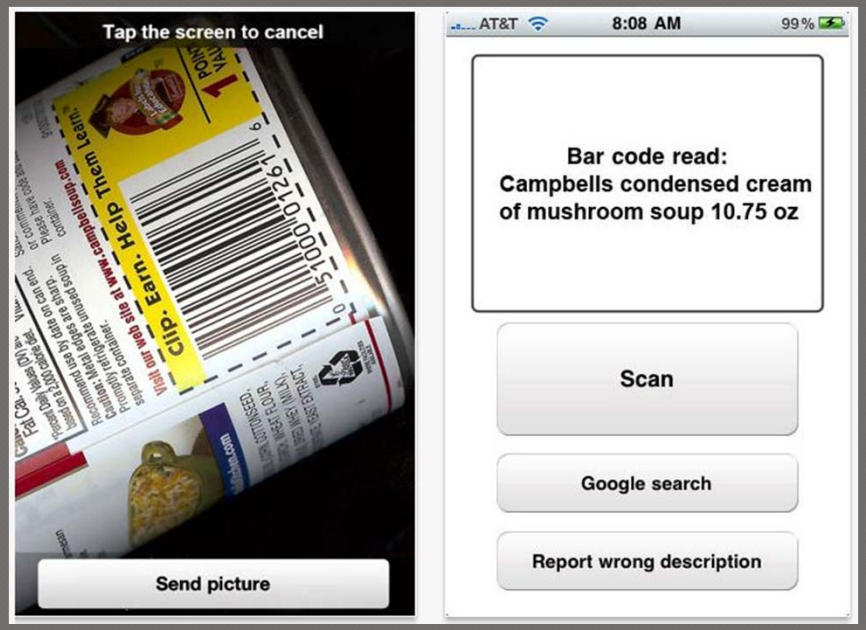
soundAMP R



- "Amplify the world around you discreetly with iPhone and iPod touch." Can use on iPad.
- Amplify, record, replay.
- Preview
- Developer site

Image: http://www.gingerlabs.com/images/screens/sa/soundAMP_02.png

Digit-Eyes



- Audio scanner and labeler.
- Users can also create and print their own labels.
- Preview
- Developer site

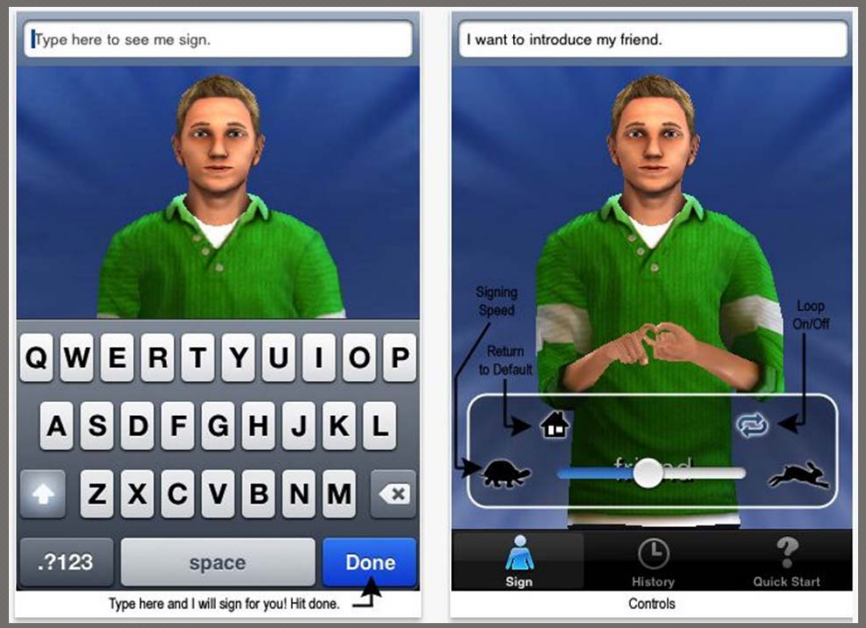
Image: http://itunes.apple.com/us/app/digit-eyes-audio-scanner-labeler/id376424490?mt=8#

Eye Glasses

- Uses camera to display text or imagery.
- 2x, 4x, 6x, and 8x magnification available.
- Preview
- Developer site

Image: http://itunes.apple.com/us/app/eye-glasses/id331625886?mt=8

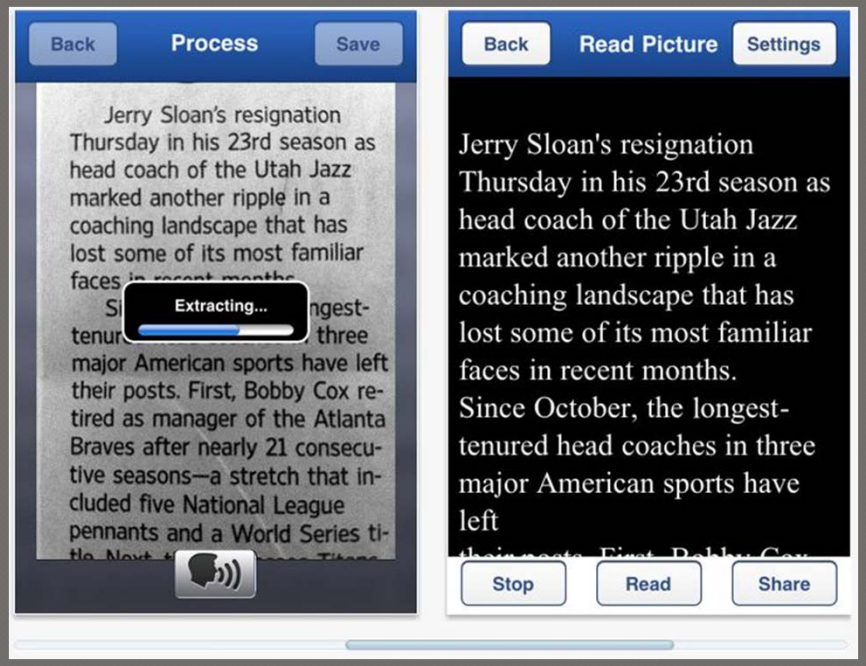
Sign 4 Me



- Sign language instruction and "translator."
- Preview
- Developer site

Image: http://itunes.apple.com/app/sign-4-me-a-signed-english/id312882992?mt=8#

ZoomReader



- Converts image into text using OCR and reads the text back "using a natural-sounding voice."
- Coming to iPad?
- Preview
- Developer site

Image: http://itunes.apple.com/us/app/zoomreader/id414117816?mt=8#

Nook, Kindle, iBooks

- iBooks
  - Apple
  - VoiceOver
  - Reads aloud ePub titles and accessible PDF documents (email to self or sync in iTunes library)
- Nook (Barnes & Noble) & Kindle (Amazon) apps
  - Little to no VoiceOver*,**
  - Font, color, brightness options
  - Reads aloud TTS-enabled (Kindle) and "Read to Me" (nook) titles

Learning Ally Audio

- Learning Ally (formerly RFB&D; called RFB&D Audio in App Store).
- Allows users to listen to downloadable DAISY-formatted books.
- Preview
- Developer site

Image: http://itunes.apple.com/us/app/rfb-d-audio/id418888450?mt=8

Libraries

- Who's doing it?
- Considerations
- Brainstorming & idea exchange

Thank You!

Presentation materials available at

http://bit.ly/MSULibCon11