Creating Accessible Conference Presentations

CDS Media Center Webinar Series

http://www.media.cds.hawaii.edu/
http://tinyurl.com/dx9fgyy
Section 508 Regulations

- Physical/Technical Access to Conference must be compliant
- Non-internet connected materials do not have to be compliant (handouts, etc.)
Agenda

1. Define Web 2.0 & Accessible Presentations
2. Web-based Applications
3. Discuss Strategies for Compliance
What is Web 2.0?
What is Web 2.0?

After all our online chats, it's great to finally meet you in person.

Same here.
Web 2.0 Technologies

Web-based Slide Show Presentation Programs

SlideShare  www.slideshare.net  (save)

Google Presentation/Drive (save or create)
Similar to PowerPoint

Voicethread Universal (create)
SlideShare helps your content GO VIRAL!

Upload • Share on • Embed anywhere on web

Recommended for you

Qualitative data collection

Qualitative Data Collection

Dr. Susheewa Wichaikull, RN, Ph.D.
Get more done, together
with productivity apps in Google Drive

Our suite of apps makes creating stuff easy and collaborative, no matter where you are or what device you’re working from. See others make changes in real-time. Sit back while your edits get automatically saved in Google Drive. Receive and reply to comments right from your inbox. And forget about hunting for the latest version of a file, because there is only one.

Docs
Sheets
Slides

Slides
Slides is good for shiny 6-pagers or 600 page snoozefests. Not only does it have everything you need to pull together an awesome presentation but you’ll never have to hit "save" again.
Accessibility

At VoiceThread, we believe universal accessibility means more than just saying we meet a few guidelines in Section 508 of the US Rehabilitation Act. We want to make our software usable by all people, and Section 508 does a good job of encouraging that, but we want to go one step further and make it straightforward and pleasant for everyone to use, as well. We want to serve the needs of a person with dyslexia or ADHD, an outdoor classroom with mobile devices, a user in the developing world without high-speed internet, a kindergartner, or an elderly lifelong learner. In our experience, the only way to do this is by thoughtful and sensitive design, with lots of input from our differently-abled users, and that’s something that can’t be contained in any number of checkboxes.

Input from users is especially important because often accessibility features aren’t what we expected. For example, we originally decided not to enable video commenting on VoiceThread, for

1. VoiceThread Universal - interface specially designed for screen-reading software
2. Accessibility Whitenpaper - includes VPAT
Accessible Presentations

● High contrast, low text (3-4 bulleted lines), meaningful graphics

● World Wide Web Consortium (W3C)
  - Universal Design Principles
    Multiple Representations
  - Output Device Independence
  - Section 508 Compliant
Accessible Presentations

http://youtu.be/-pb3vrEq-iU
Web 2.0 Accessibility Simplified

What it is...
Screen Reader Usable
Easy to Read
single page
User Control Styles
App
Clean Design
Device Output Independent

is NOT...
Multiple Language Translators
Mega Information on
Adjustable Font Size
Animated Madness
ePub, Kindle, Nook
Web 2.0 Interactive Applications

**Skype**: www.skype.com

Video & Text Chat

[http://youtu.be/4L0z1QQiy2A](http://youtu.be/4L0z1QQiy2A)
Web 2.0 Interactive Applications

Twitter: www.twitter.com
EasyChirp www.easychirp.com

Web accessibility for the Twitter website application

Easy Chirp is a web-accessible alternative to the Twitter.com website. It is designed to be easier to use and is optimized for disabled users. It also works with keyboard-only, older browsers like IE6, lowband internet connection, and without JavaScript. Learn more about web accessibility.

Refer to the development tasks further down this page for items currently in progress. Learn more about Easy Chirp on the About and Features pages. You may also read an extensive list of user feedback and blogs/articles about this application.

Sign In

Donate to Easy Chirp

Latest Tweets from Easy Chirp

Twitter API not responding.
Follow me on Twitter at: @EasyChirp.
Web 2.0 Interactive Applications

Google+ Hangouts

www.google.com/+/learnmore/hangouts

http://youtu.be/7qlunRCjZ2U

Hangouts

Video chat with up to nine friends

Chat face-to-face

Host virtual meetings

Broadcast to the world

Seeing someone's face can make all the difference, so catch up with the whole gang from your computer, phone or tablet device.

Get work done faster in virtual meetings with powerful tools like screen sharing and Google Drive collaboration.

Go live in front of a global audience, whether you're an aspiring artist, a global celebrity or a concerned citizen. See examples.
Web 2.0 Tools

- Online Presentation Slideshow
  - Google Presentation/Slideshare
- Voice Over Slideshow Recording (audio)
- On-Screen Rehearsed Recording (video)
"Offer handouts, slides, and other material in accessible formats"

Electronic formats such as HTML (that is, web page format) and RTF are often the most flexible to meet different people's needs. Participants might need material in alternative formats such as large print or braille; however, if they get the material in advance electronically, they might not need it in hard copy at all.

"Ensure slides, handouts, and other electronic material for participants is accessible"

For example, provide alternative text for images and mark up headings. HTML material, such as a conference website, should meet WCAG 2.0, at least Level AA. (W3C Materials: http://www.w3.org/WAI/training/accessible.php

"Make media fully accessible — including audio and video used in sessions, and recordings of sessions provided afterwards"

For example, provide captions and/or transcripts as appropriate for audio, and provide audio description for videos as needed.
Strategies for Accessible Presentations

Discuss Strategies for Compliance

a. Pre-Recorded Presentations (Practice!)
b. Podcast (audio recording)
c. Transcripts (text files)
d. Skype Live
What is a Screen Reader?

Screen readers are software programs that allow blind or visually impaired users to read the text that is displayed on the computer screen with a speech synthesizer. A screen reader is the interface between the computer’s operating system, its applications, and the user.

American Foundation for the blind: http://tinyurl.com/yc2d34e
Popular Screen Readers

JAWS: http://www.freedomscientific.com/
SuperNova Screen Reader: http://www.yourdolphin.com
Window Eyes Screen Reader: http://www.gwmicro.com/Window-Eyes/
ZoomText Magnifier/Reader: http://www.aisquared.com/zoomtext/more/zoomtext_magnifier_reader/
ClaroRead: http://www.claroread.com/

http://screen-reader-software-review.toptenreviews.com/
Free Screen Readers

NVDA NonVisual Desktop Access: http://community.nvda-project.org/

Thunder: http://www.screenreader.net/


Orca: https://live.gnome.org/Orca

Firevox: http://www.firevox.clcworld.net/

WebAnywhere: http://webanywhere.cs.washington.edu/

Speech Systems (American Federation for the Blind):  
http://tinyurl.com/bul2pq6

Designing for Screen Reader Compatibility:  
http://webaim.org/techniques/screenreader/

WebAIM Screen Reader Simulation:  
http://webaim.org/simulations/screenreader

Web Content Accessibility Guidelines (WCAG 2.0):  
http://www.w3.org/TR/WCAG20/
Resources

How to Make Presentations Accessible to All
http://www.w3.org/WAI/training/accessible

Accessibility Essentials: Complete Series

Worcester Polytechnic Institute: Creating Accessible Presentations
Next Accessibility Webinar
CDS Media Center Webinar Series

http://www.media.cds.hawaii.edu/?page_id=61
Questions?

CDS Media Center Webinar Series

http://www.media.cds.hawaii.edu/