

Web 2.0    MathML    Table Headers    SRT

Plone    **WCAG 2.0**    WebVTT    AxsJAX

Canvas    Fieldset    JQuery    Alt Attributes

**ARIA**    Label    The Cloud  
SMIL

Drupal    JW Player    Open Source    CMS

AJAX    Dojo    Tagged PDF    **HTML5**

Moodle    CrowdSourcing    Meta Data    Section 508



# Web Accessibility 101

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Q: Who is affected by  
inaccessible web  
content?

A: Everyone!

# Ability on a continuum



See

Hear

Walk

Read print

Write with pen or pencil

Communicate verbally

Tune out distraction

etc.

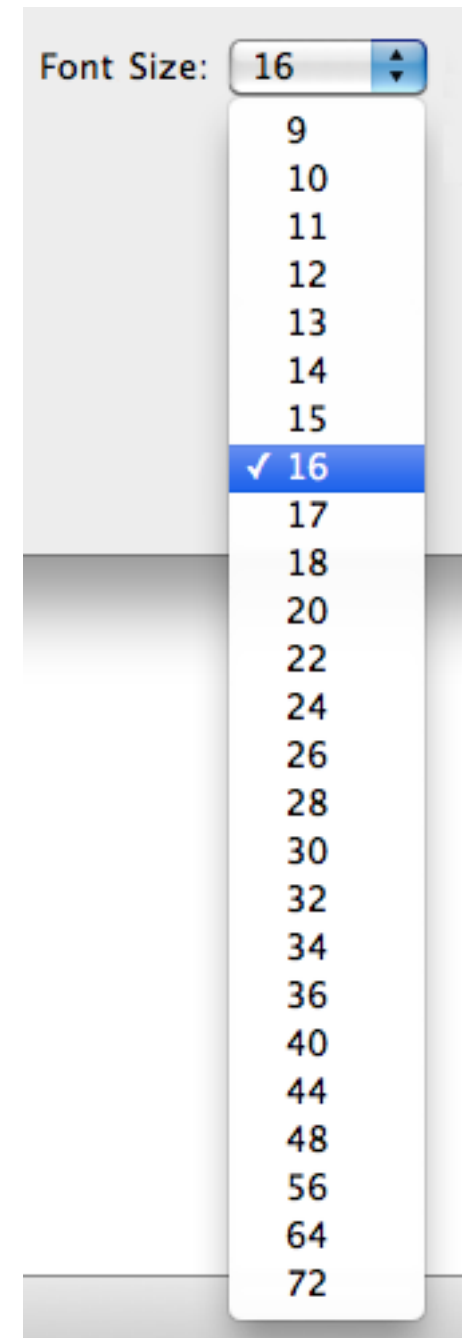
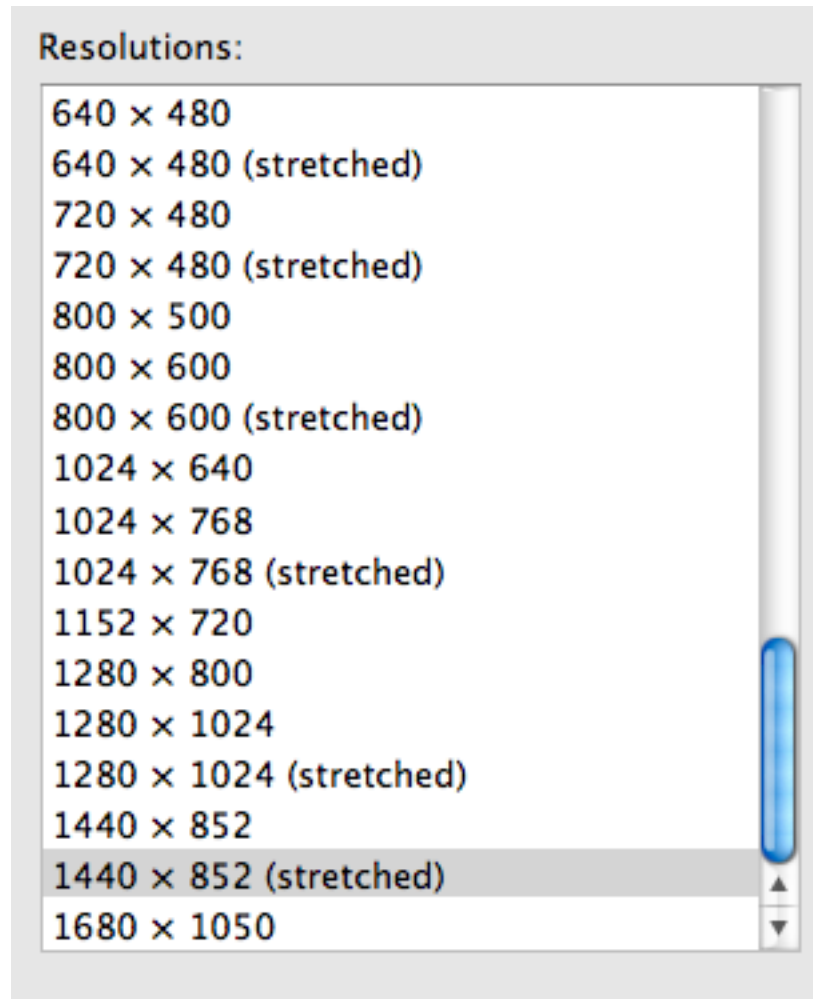
# Old School Technologies



# Today: Technological Diversity



# We All Have Choices



# The Web Must Be \_\_\_\_\_.

- Flexible



When is the web not flexible?



# Information Resources Management Association

...an international association serving information providers and users

701 E. Chocolate Avenue, Suite 200, Hershey, PA 17033, USA

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[Proceedings](#)


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[SRCs](#)

[List-Serve](#)

[What's New](#)

**Image Tag Accessibility Attributes** 

Alternate text:  

Long description:  

If you don't want to enter this information when inserting objects, [change the Accessibility preferences.](#)

About the UW



Academics and Research

Admissions

UW Medicine

Missions, Stats, Facts

UW Administration

Governance

Visit the UW

Diversity

UW Events

Museums and Exhibits

Emergency Information



## Husky Softball

Six players named to All-Conference teams.





Well, here we are obviously in front of our nation's capitol.

सुखदामा



Terry Thompson  
Technology Specialist  
DO-IT

Meeting Audio

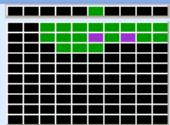
Arrange by Name

- Terry
- Andy
- Bobbie
- Bucky
- ckb

Call Someone

More Choices >>

Search list for person:



Feedback to Presenter

Proceed

Preparing for a Meeting

- Setting up your user preferences
- Connecting to audio
- Chatting
- Switching to full screen view

Next: Attending a Meeting

# IT Accessibility

Terry Thompson  
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Questions and Answers

No questions have been answered yet in this meeting.

Is this application accessible?



## Grade Center ▼

In the [screen reader view](#), the table is static and grades may be entered on the Grade Details page accessed by selecting the table cell for the grade. In the interactive view of the Grade Center, grades can be typed directly in the cells. Use the arrow keys or the tab key to navigate through the Grade Center and the Enter key to submit a grade.

[Create Column](#)[Create Calculated Column](#) ▼[Manage](#) ▼[Reports](#) ▼[Work Offline](#) ▼Current View: [Full Grade Center](#) ▼[Set as Default](#)Sort Columns By: [Layout Position](#) ▼Order: [▲Ascending](#) ▼

Grade Information Bar

Grade Type: **Weighted Grade** | Points Possible: **100** | Displayed As: **Letter** | Visible to Users: **Yes**[Move To Top](#)[Email](#) ▼[Icon Legend](#)

<input type="checkbox"/>	Last Name <span>▼</span>	First Name <span>▼</span>	Username <span>▼</span>	Student ID <span>▼</span>	Last Access <span>▼</span>	Availability <span>▼</span>	Weighted Gr: <span>▼</span>	Attendance <span>▼</span>
<input type="checkbox"/>	Copy	Ian	icopy		July 10, 2008	Available	B	85.00%
<input type="checkbox"/>	Cruz	Cindy	ccruz		September 15, 2008	Available		
<input type="checkbox"/>	Goldman	Greg	ggoldman		July 10, 2008	Available		
<input type="checkbox"/>	Holland	Hector	hholland		July 10, 2008	Available		
<input type="checkbox"/>	Jacobs	Jake	jjacobs		July 10, 2008	Available		
<input type="checkbox"/>	Jones	Jeremy	jjones		July 10, 2008	Available		

- > View User Statistics
- > Browse Adaptive Release Status
- > Email User
- > Hide User

File Edit View **Insert** Format Table Tools Help

Image...

Drawing...

Table...

Link... Ctrl+K

Equation...

Comment Ctrl+M

Footnote

Special characters...

Horizontal line

Page break (for printing)

Header

Footer

Bookmark...

Table of contents...



## Web Acc

November 29 - De  
Hotel Andra, Seat

The Web Accessib  
Engineering, and f  
and the technolog

The ultimate goal  
software and info  
administrative we  
applications, inclu

Participants at th  
universities, prima

## Agenda

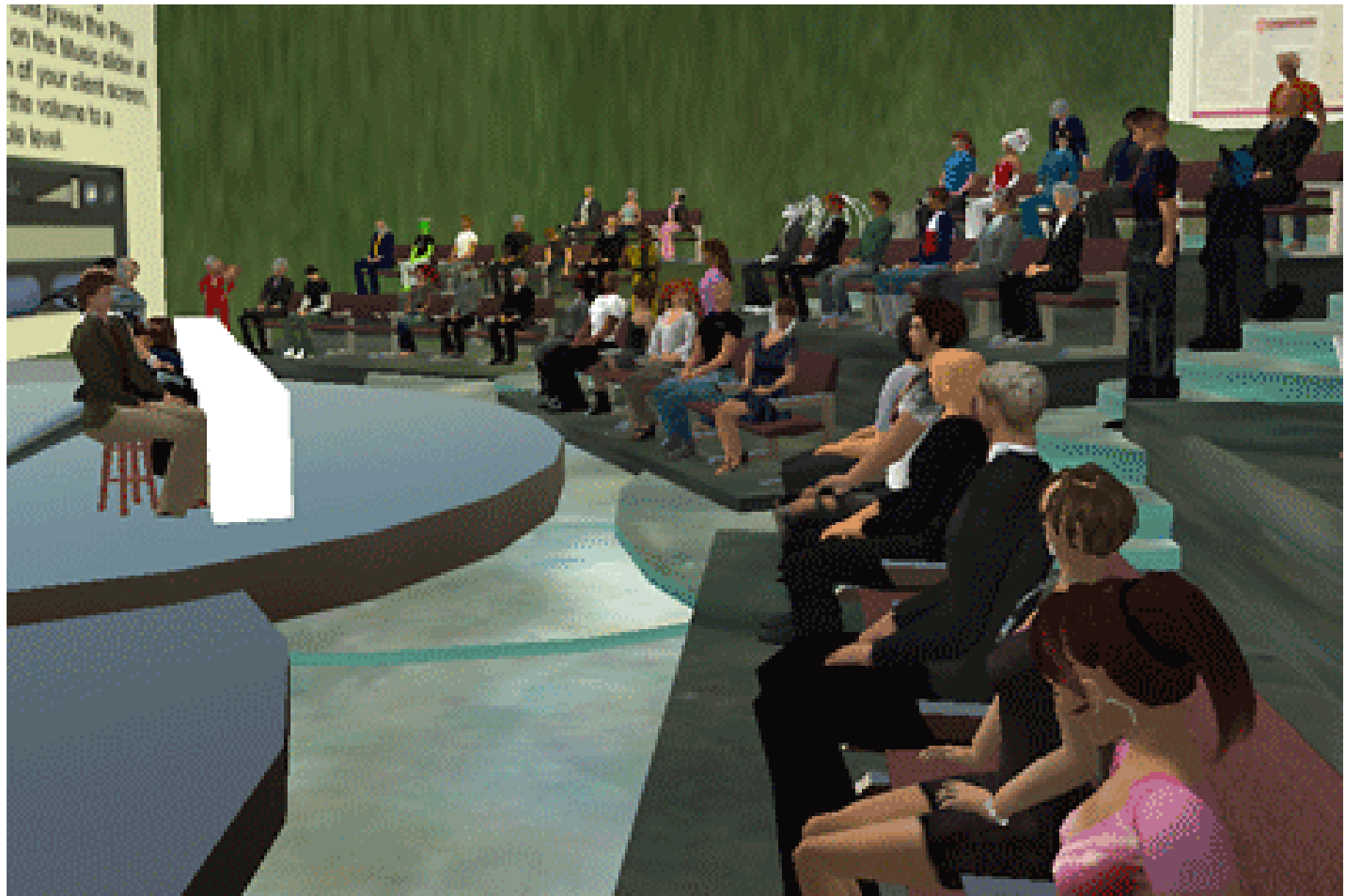
The agenda for the CBI was as follows:

## Building Institute

was funded by the National Science Foundation (cooperative  
directed at the University of Washington. The purpose of the C  
strategies that lead to systemic change.

Successful participation of people with disabilities in STEM career  
teams. Higher education institutions are exploring and beginning  
risk excluding students and employees with disabilities. It is cr  
ologies such as AJAX, Flex, and Flash.

World Wide Consortium (W3C), IBM, Google, Yahoo, Adobe,  
United States.



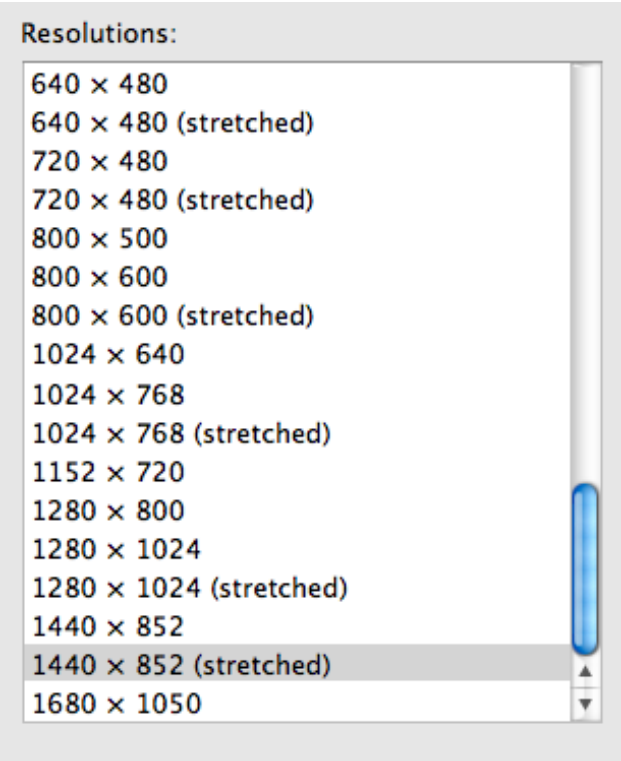
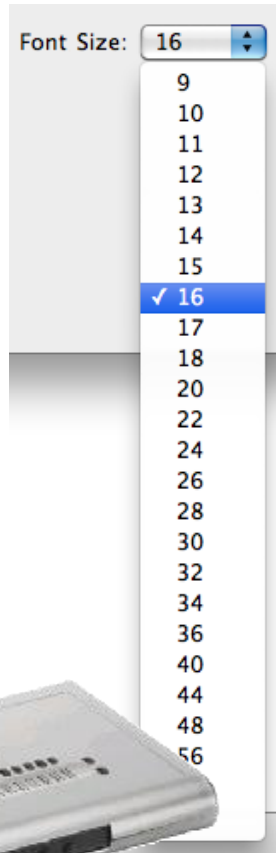
... must press the Play  
on the Music slider at  
of your client screen,  
the volume to a  
level.

# The Web Must Be \_\_\_\_\_.

- Perceivable
- Operable
- Understandable
- Robust



# The Web Must Be Perceivable



# The Web Must Be Operable



# The Web Must Be Understandable



# The Web Must Be Robust



“SixthSense” from MIT Media Lab Fluid Interfaces Group:  
Using any surface as an interface

# World Wide Web Consortium (W3C)

- HTML, CSS, XML, SMIL
- Web Content Accessibility Guidelines (WCAG)
  - 1.0 became a “standard” in 1999
  - 2.0 became a “standard” in 2008
  - Three levels of success criteria
    - 26 “Level A” success criteria – the most important
    - 13 “Level AA” success criteria – also important
    - 23 “Level AAA” success criteria – maximum accessibility

# Other W3C Standards & Specifications

- User Agent Accessibility Guidelines (UAAG)
- Authoring Tool Accessibility Guidelines (ATAG)
- Accessible Rich Internet Applications (ARIA)
  - Provides markup that makes it possible to make complex interactive web applications accessible

# Who's Responsible for Web Accessibility on Your Campus?

# People Who Create Web Sites

- Add alternate text to images
- Use headings
- Add labels to forms
- Become familiar with WCAG 2.0

# People Who Create and/or Distribute Electronic Documents

- Add alternate text to images
- Use headings
- Add labels to forms
- Become familiar with document accessibility issues and techniques
  - PDF
  - Word
  - PowerPoint

# People Who Create Rich Interactive Web Applications

- Learn and apply WCAG 2.0
- Learn and apply ARIA
- Choose and use widgets, plug-ins, modules and themes that are accessible

# People Who Produce and/or Distribute Audio or Video

- Develop a workflow for making media accessible
  - Captions
  - Audio description
- Choose accessible media players
- Explore ways to maximize the benefit of accessible media
  - Captions make video searchable
  - Captions make video translatable
  - Transcripts can be interactive

# People Who Procure Web Tools

- Ask vendors specific questions about accessibility
- Demand accessibility
  - *We're* liable and at risk if *your* product discriminates against any of our students
  - Only by demanding accessibility do we create a market for it

# Questions to *Always* Ask When Procuring Product

- ~~Is it accessible?~~
- Can users perform all functions without a mouse?
- Has it been tested using assistive technologies such as screen readers?
- Is accessibility documentation available (e.g., Voluntary Product Accessibility Template)?
- If an authoring tool, how does one create accessible content with it?

What Can You Do?

