

.....

**ITU Regional Workshop on ICT Accessibility for Persons  
with Disabilities for the Africa Region**

*Lusaka (Zambia), 15 and 16 July 2008*



---

**Document PwD-08/019-E  
Original: English**

**Free Online Web Accessibility Checkers**

**Cynthia D. Waddell, Juris Doctor  
International Center for Disability Resources on the Internet**



.....

***Committed to connecting the world***

---

**ITU REGIONAL WORKSHOP ON ICT  
ACCESSIBILITY FOR PERSONS WITH  
DISABILITIES FOR AFRICA REGION**

**Free Online Web Accessibility  
Checkers**

**Cynthia D. Waddell, Juris Doctor  
International Center for Disability  
Resources on the Internet**



---

*Committed to connecting the world*

# Web Accessibility Checkers

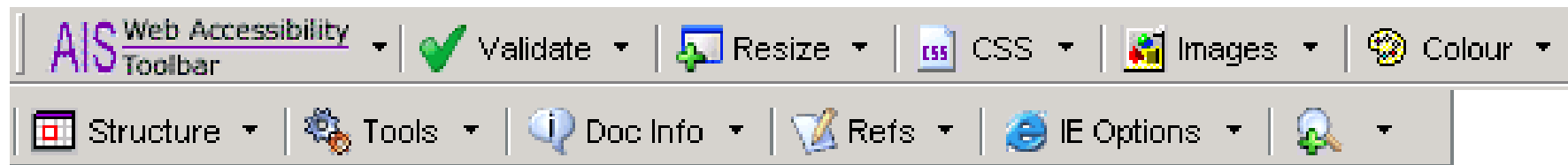
- **Cynthia Says**

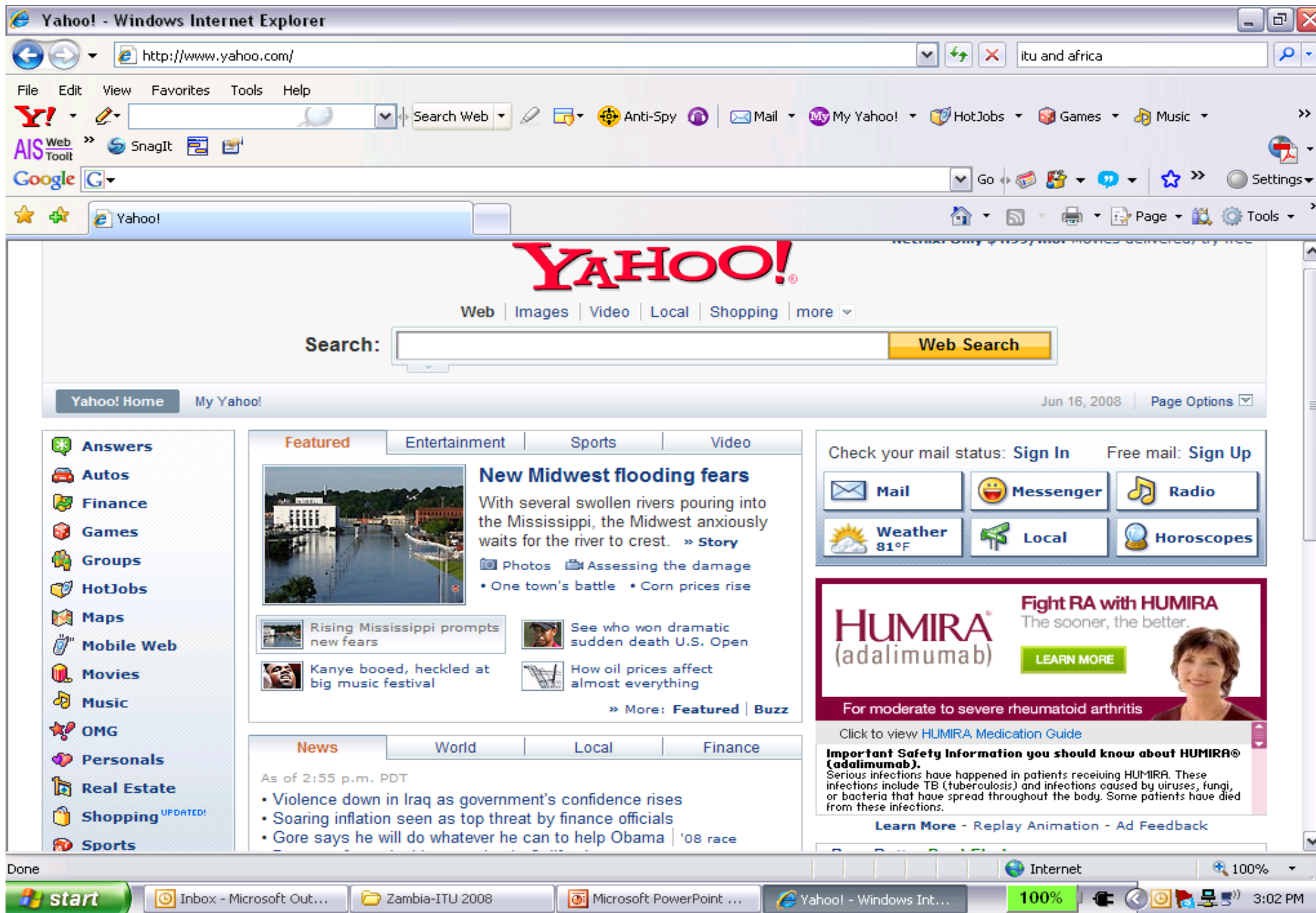


- **WAVE**



- **Vision Australia Web Accessibility Toolbar**





Lusaka, Zambia, 15-16 July 2008 ..... www.itu.int/ITU-D/sis.....

## Welcome to the HiSoftware® Cynthia Says™ Portal

The HiSoftware Cynthia Says portal is a joint Education and Outreach project of HiSoftware, ICDRI, and the Internet Society Disability and Special Needs Chapter.

Read [Understanding Accessibility](#) today! [Download Now](#)



The HiSoftware Cynthia Says portal is a web content accessibility validation solution. It is designed to identify errors in your content related to Section 508 standards and/or the WCAG guidelines. This free tool meant for educational purposes, is an online test which only validates one page at a time. This service will expose you to the [underlying technology and the benefits](#) of using HiSoftware's full-featured solutions for automated content compliance and Web governance. To learn more about HiSoftware's enterprise and desktop solutions go to [www.hisoftware.com](http://www.hisoftware.com). For specific questions on this online service please email [support@hisoftware.com](mailto:support@hisoftware.com)

Note this demo will test about one (1) page per minute / per site.

**Info:** [Put Cynthia on your site](#)

Test Your Site Now

Web Page (Required)

e.g. <http://www.hisoftware.com/>

Accessibility Report Mode

Do not fail pages for WCAG 1.0 Priority 2 and 3 errors, simply warn me.

Include the Alternative Text Quality Report

Include file source on accessibility failures

Emulate this Browser:

Cynthia Says Report - Windows Internet Explorer

http://www.cynthiasays.com/mynewtester/cynthia.exe

File Edit View Favorites Tools Help

Y! Search Web Anti-Spy Mail My Yahoo! HotJobs Games Music

AIS Web Tool SnagIt

Google G Go Settings

Cynthia Says Report

HiSoftware® Cynthia Says™ - Web Content Accessibility Report  
 Powered by [HiSoftware Content Quality Technology](#). If you have a question about this output please email [support@hisoftware.com](mailto:support@hisoftware.com)

Verified File Name: <http://www.yahoo.com>  
 Date and Time: 6/16/2008 6:04:37 PM  
 Failed Automated Verification  
 Emulated Browser: MS Internet Explorer 6.0

**HiSoftware®**

HiSoftware can help you meet all of your accessibility needs and more. Our industry leading [enterprise](#) and [desktop](#) products provide you with an automated, full-featured Accessibility monitoring, testing, and repair solution to make sure your ever-changing Web content is always compliant. Visit [www.hisoftware.com](http://www.hisoftware.com) to find out more about how HiSoftware solutions can help you meet your Web compliance goals and request a trial copy.

Read [Understanding Accessibility](#) today! [Download Now](#)

The level of detail setting for the report is to show all detail.

**Verification Checklist**

Checkpoints	Passed		
	Yes	No	Other
<b>Basic Settings</b>			
<b>1.1 / (a)</b> Provide a text alternative for every non-text element (e.g., via "alt", "longdesc", or in element content). <i>This includes:</i> images, graphical representations of text (including symbols), image map regions, animations (e.g., animated GIFs), applets and programmatic objects, ascii art, frames, scripts, images used as list bullets, spacers, graphical buttons, sounds (played with or without user interaction), stand-alone audio files, audio tracks of video, and video.		No	
<ul style="list-style-type: none"> <li>Rule: 1.1.1 - All IMG elements are required to contain either the alt or the longdesc attribute.           <ul style="list-style-type: none"> <li>Warning - IMG Element found at Line: 2670, Column: 20 contains the 'alt' attribute with an empty value. Please verify that this image is only used for spacing or design and has no meaning.</li> <li>Warning - IMG Element found at Line: 2837, Column: 20 contains the 'alt' attribute with an empty value. Please verify that this image is only used for spacing or design and has no meaning.</li> <li>Warning - IMG Element found at Line: 2850, Column: 1 contains the 'alt' attribute with an empty value. Please verify that this image is only used for spacing or design and has no meaning.</li> </ul> </li> </ul>			

Internet 100%

start Inbox - Microsoft Out... Zambia-ITU 2008 Microsoft PowerPoint ... Cynthia Says Report ... 100% 3:07 PM



12.4 Associate labels explicitly with their controls.

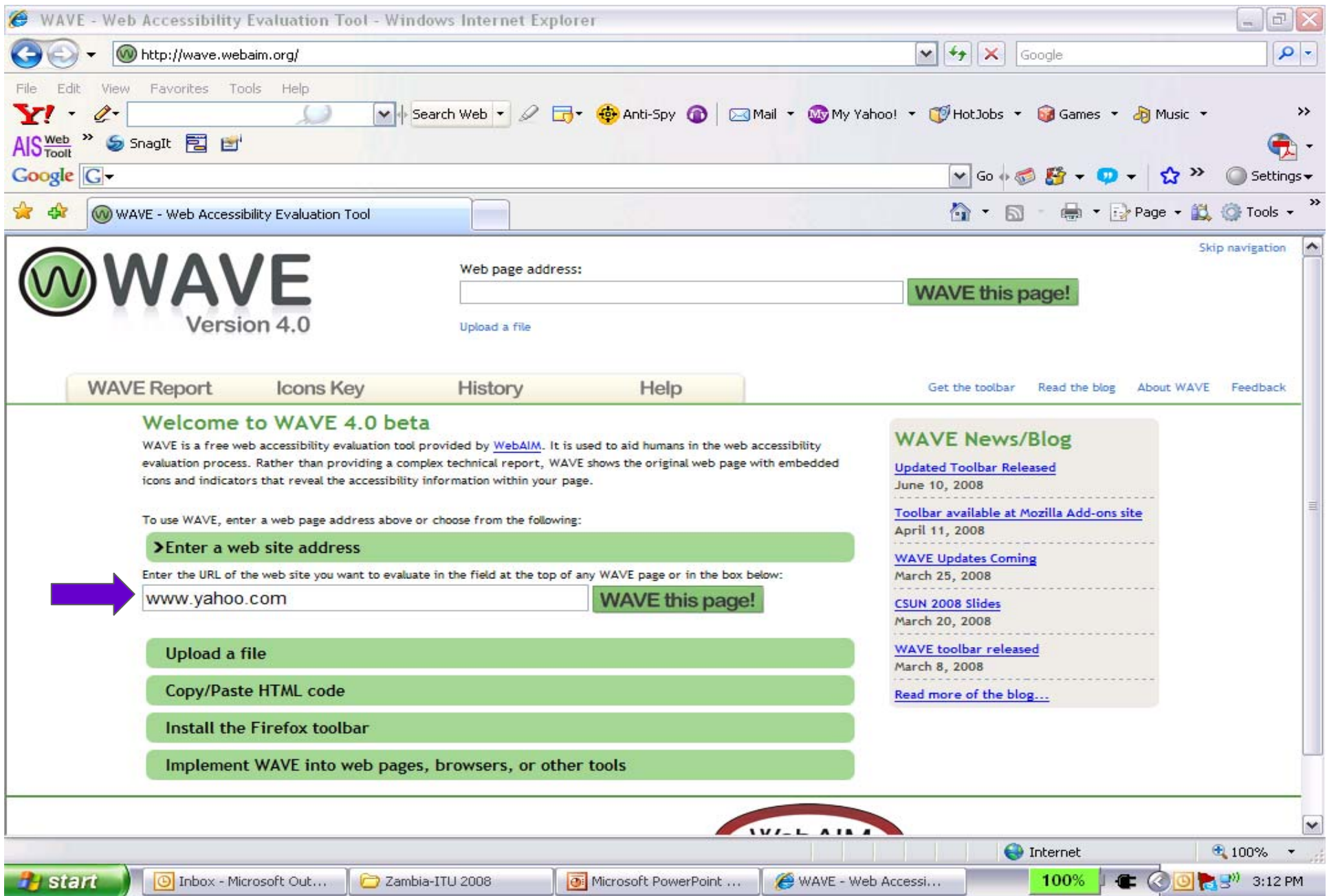
- o Rule: 12.4.1 - Identify all non-hidden INPUT elements that do not have an explicit LABEL association.
  - o No invalid INPUT elements found in FORM element found at Line: 2839, Column: 1.
  - o **Failure** - INPUT Element, of Type TEXT, at Line: 3140, Column: 399 in FORM Element at Line: 3140, Column: 250
- o Rule: 12.4.2 - Identify all TEXTAREA elements that do not have an explicit LABEL association.
  - o No TEXTAREA Elements found within FORM element found at Line: 2839, Column: 1.
  - o No TEXTAREA Elements found within FORM element found at Line: 3140, Column: 250.
- o Rule: 12.4.3 - Identify all SELECT elements that do not have an explicit LABEL association.
  - o No SELECT Elements found within FORM element found at Line: 2839, Column: 1.
  - o No SELECT Elements found within FORM element found at Line: 3140, Column: 250.
- o Rule: 12.4.4 - Identify all OBJECT elements, within a FORM element, that do not have an explicit LABEL association.
  - o No OBJECT Elements found within FORM element found at Line: 2839, Column: 1.
  - o No OBJECT Elements found within FORM element found at Line: 3140, Column: 250.

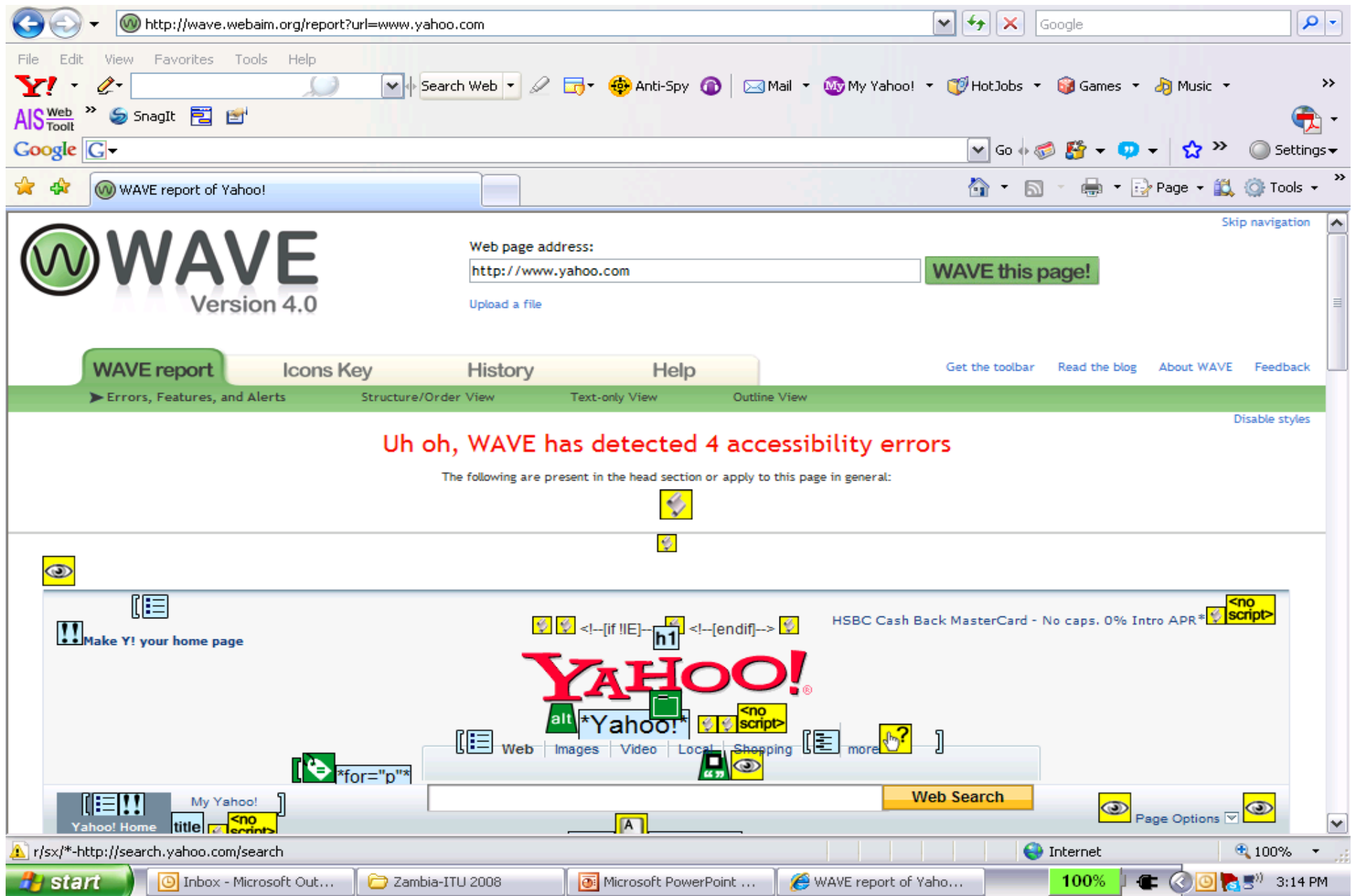
No

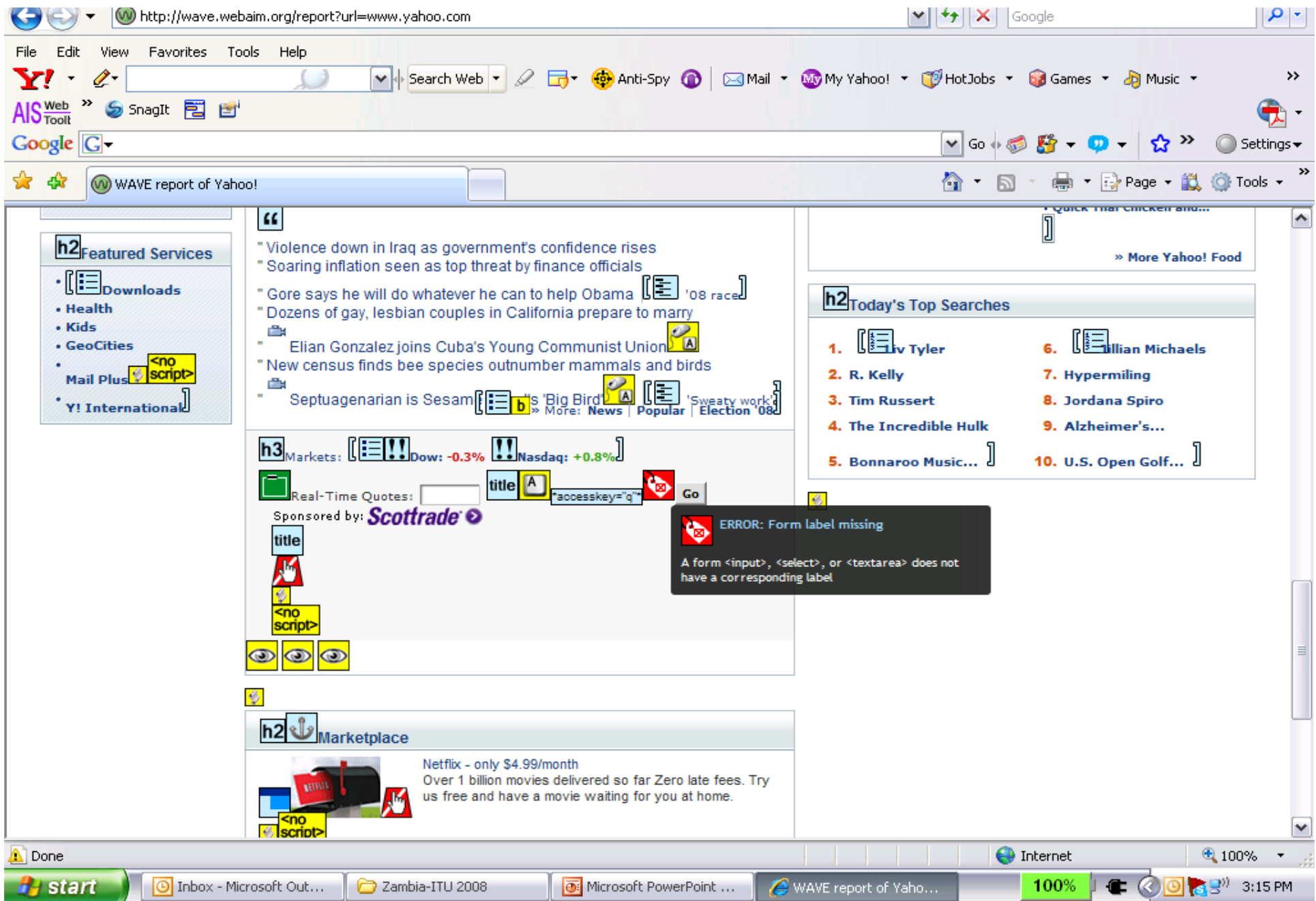
# Cynthia Says™ Portal Resources

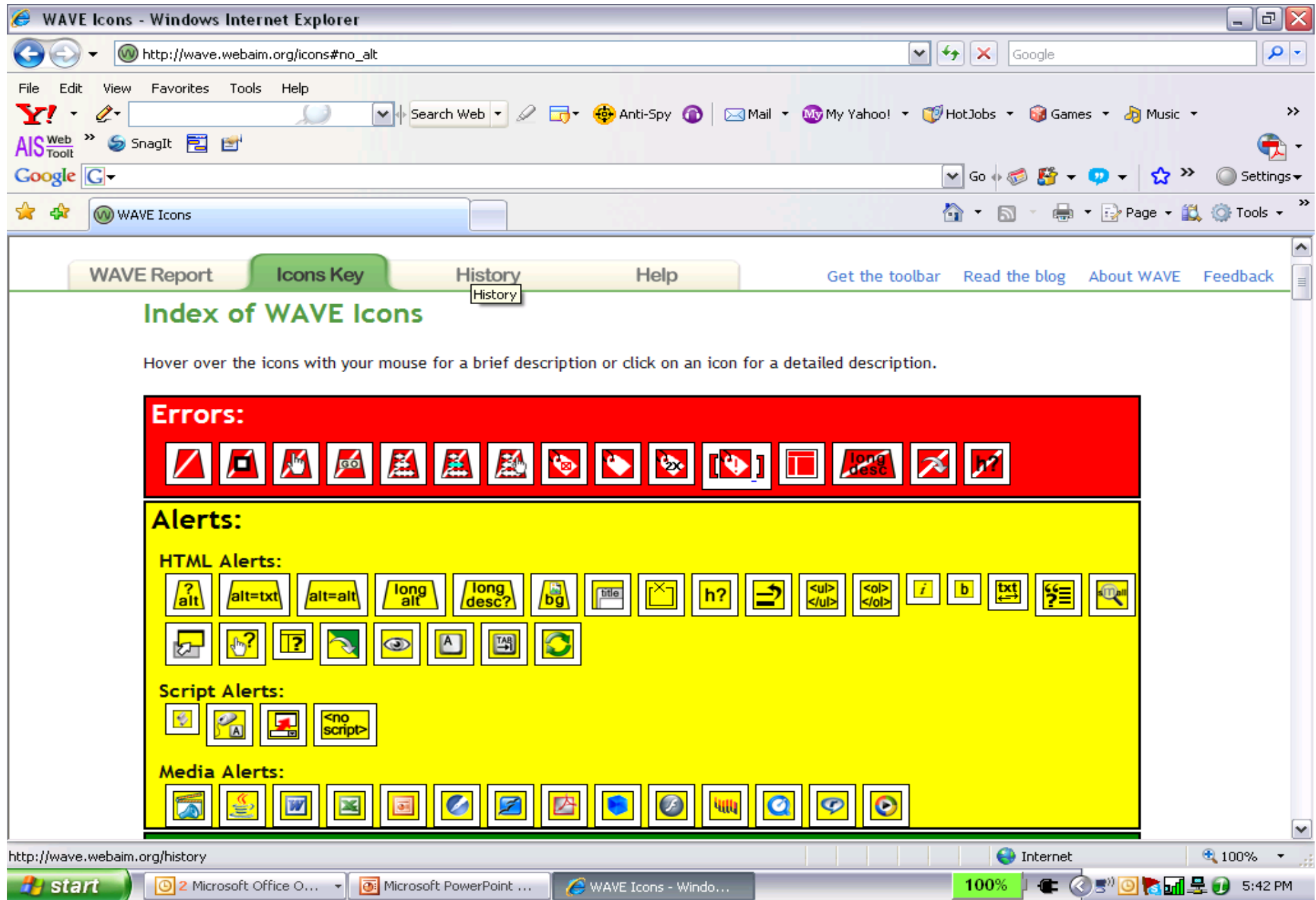
- [www.CynthiaSays.com](http://www.CynthiaSays.com)
- Free On-line Web Accessibility Checker Assists in Evaluation of Websites
- “Tested” but not “Approved”
- Not a Substitute for Human Judgment
- Generates Section 508, W3C WCAG 1.0, Alternative Text Quality and Screen Movement/Flicker Reports











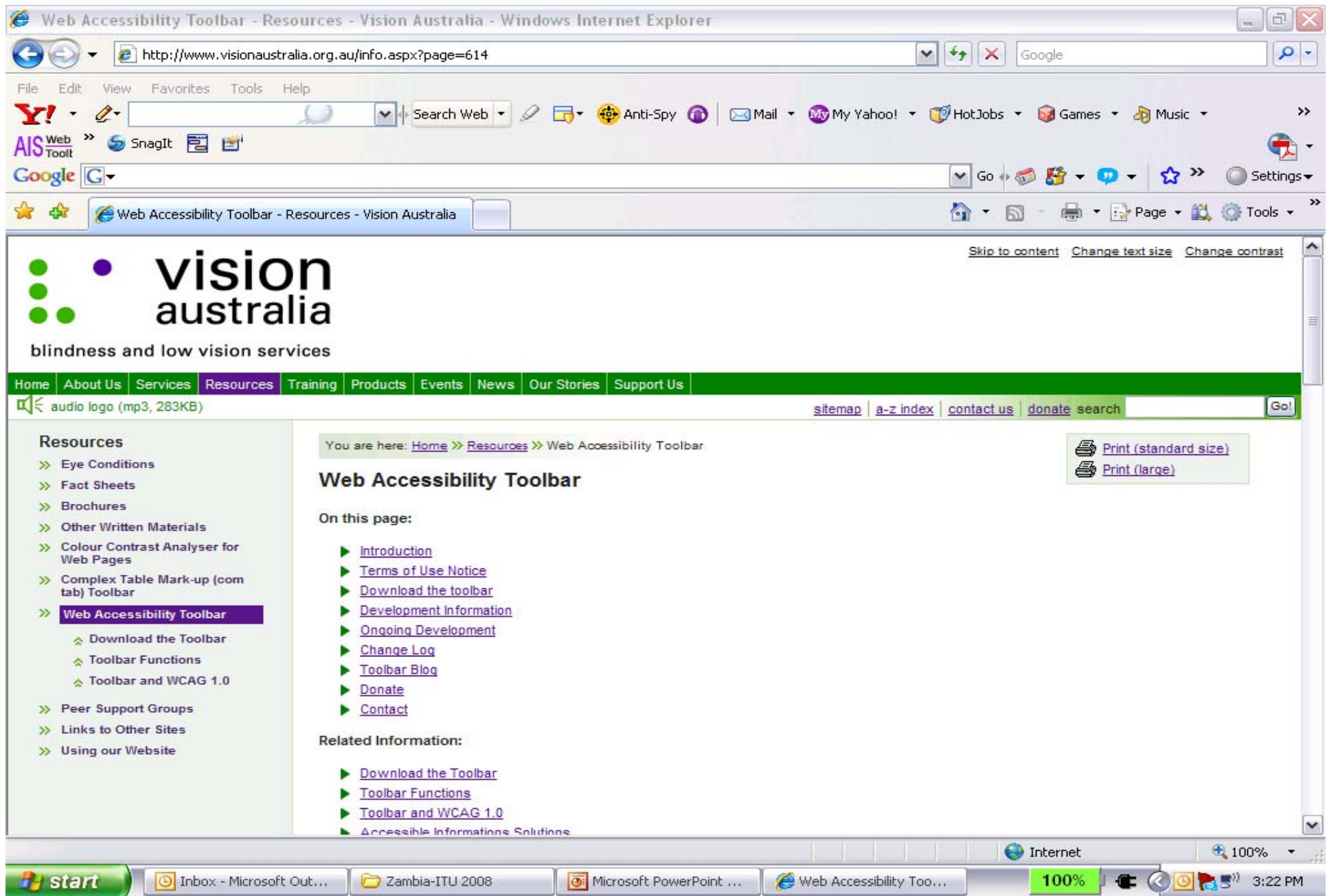




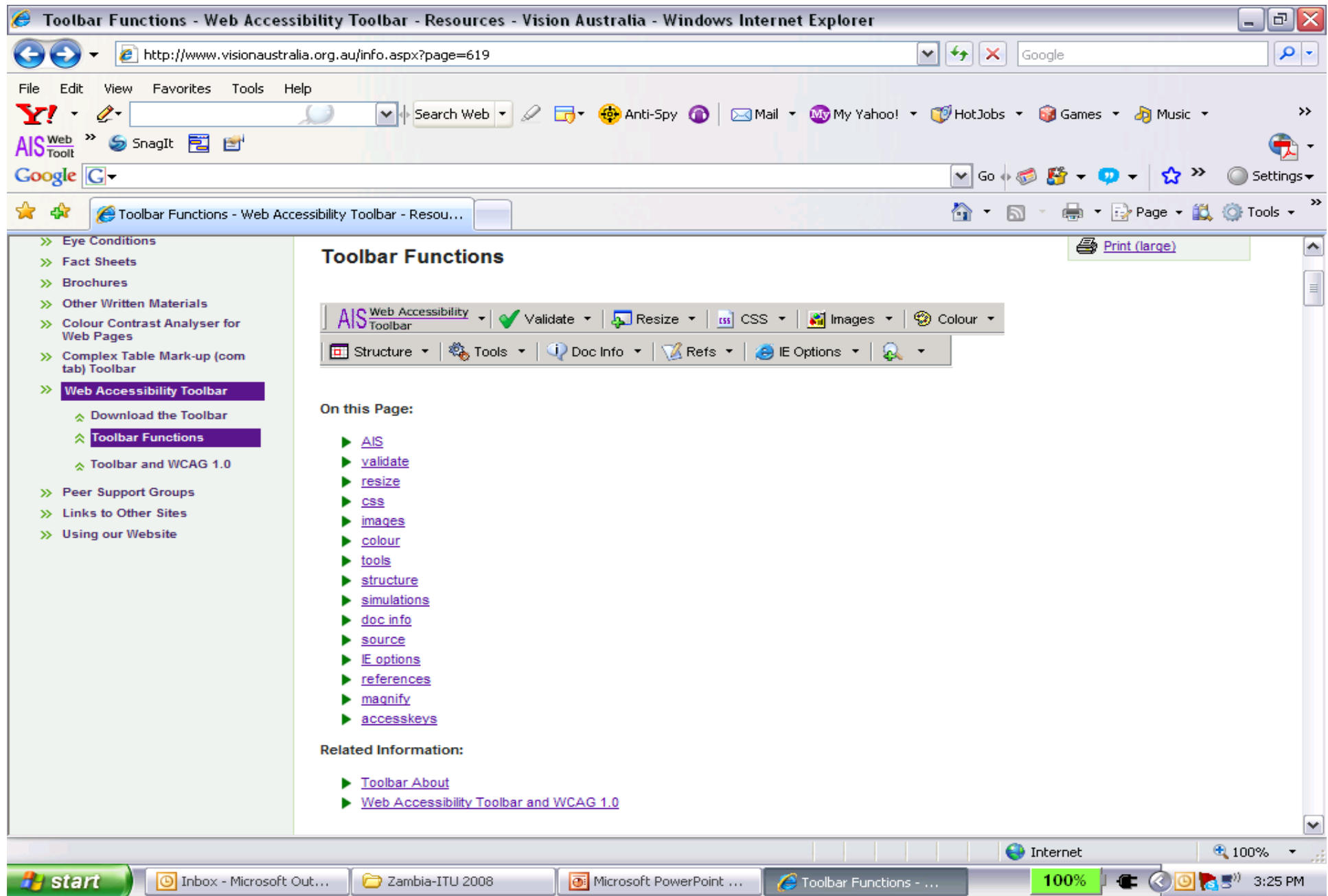


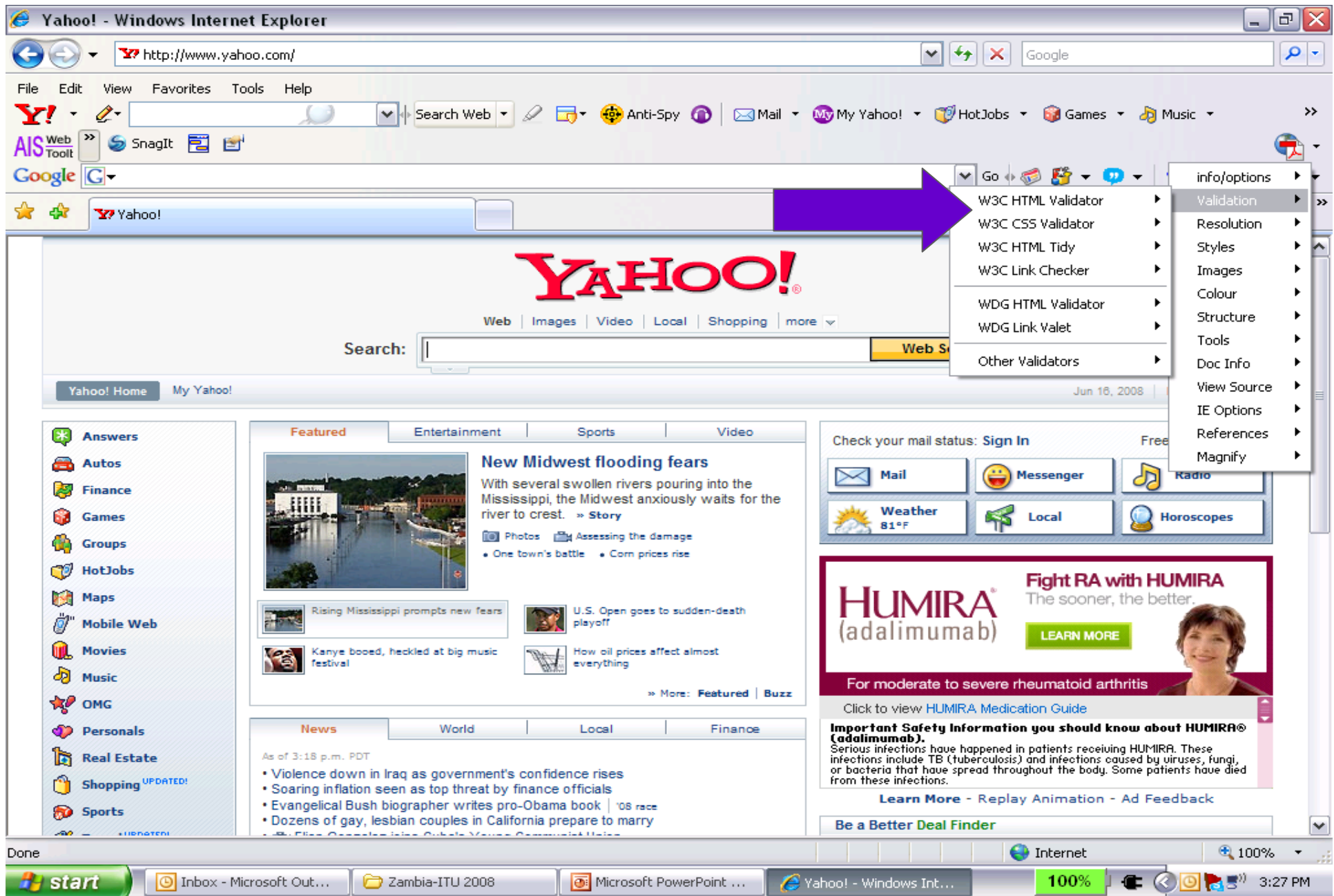
## Resources

- <http://Wave.webaim.org>
- Free On-line Web Accessibility Checker “Tested” but not “Approved”
- Shows Your Original Web Content with WAVE Embedded Indicators for Accessibility
- Comprised of errors () , alerts () , features () , and semantic/structural elements ()



.. Lusaka, Zambia, 15-16 July 2008 ..... www.itu.int/ITU-D/sis.....





[Invalid] Markup Validation of http://www.yahoo.com/ - W3C Markup Validator - Windows Internet Explorer

http://validator.w3.org/check?uri=http%3A%2F%2Fwww.yahoo.com%2F&ss=1&outline=1

File Edit View Favorites Tools Help

Y! Search Web Anti-Spy Mail My Yahoo! HotJobs Games Music

Google Go Settings

[Invalid] Markup Validation of http://www.yahoo.com...

W3C<sup>®</sup> Markup Validation Service  
Check the markup (HTML, XHTML, ...) of Web documents

Jump To: Potential Issues Validation Output Source Listing Outline

**This page is not Valid (no Doctype found)!**

<b>Result:</b>	Failed validation, 34 Errors	
<b>Address :</b>	<input type="text" value="http://www.yahoo.com/"/>	
<b>Encoding :</b>	utf-8	<input type="text" value="(detect automatically)"/>
<b>Doctype :</b>	(no Doctype found)	<input type="text" value="(detect automatically)"/>
<b>Root Element:</b>	html	

Options

Show Source     Show Outline     List Messages Sequentially     Group Error Messages by type

start    2 Microsoft Office ...    Microsoft PowerPoin...    Toolbar Functions - ...    [Invalid] Markup Vali...    100%    Internet    100%    5:51 PM

## Resources

- Vision Australia **Web Accessibility Toolbar** Provides Free Testing Tools  
<http://www.visionaustralia.org.au/>
- Facilitates Use of 3<sup>rd</sup> Party Online Tools
- Simulates User Experiences
- Provides Links to References & Additional Resources

# Speaker Contacts

Cynthia WADDELL

Executive Director

International Center for Disability  
Resources on the Internet (ICDRI)

E-mail: [cynthia.waddell@icdri.org](mailto:cynthia.waddell@icdri.org)

Web: [www.icdri.org](http://www.icdri.org)

# ITU Contacts

Asenath MPATWA

Head, Special Initiatives

Phone: +41 22 730 5430

E-mail: [asenath.mpatwa@itu.int](mailto:asenath.mpatwa@itu.int)

Web: [www.itu.int/ITU-D/sis](http://www.itu.int/ITU-D/sis)