

CSU Maritime First Year ATI Web Report

May 22, 2007

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1.Summary:

Web Address: http://www.csum.edu

The vast majority of web pages on the Cal Maritime site use a common style sheet and common server side include files. In addition, many of the pages were built using a common template. As a result, techniques used to correct accessibility problems on a single page should be able to be applied to multiple pages. Here are the 508 checkpoints, a site analysis of our current web pages in relation to the checkpoints, and some possible fixes.

2. Analysis of Pages That Have Common Styles and Templates

A. 508 Standards, Section 1194.22, (a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content)

Site Analysis:

Most all pages have alt tags and pass this checkpoint Fixes:

Add alt tags to images on pages that do not pass. Will take going through all pages one by one but the fix is reasonable.

B. 508 Standards, Section 1194.22, (b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.

Site Analysis:

The only page that uses multimedia is the home page. A Flash plugin is required to display a flash movie that displays random images. No video presentations are linked on the website.

Fixes:

We will provide alternative text for flash movie.

We will use hi-caption to add captioning when we insert video.

C. 508 Standards, Section 1194.22, (c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.

Site Analysis:

Some font color styles in the system-wide style sheet don't show enough contrasting when tested with the Color Analyzer tool. Specifically the H1 heading is styled with a color that is too light.

Fixes:

Modify style sheet to produce fonts with lighter colors



<u>D. 508 Standards, Section 1194.22, (d) Documents shall be organized so they are readable</u> without requiring an associated style sheet.

Site Analysis:

Most pages do very well when styling is turned off. Images shift a bit, but functionality is preserved. The only problem is with the left navigation bar. Its blue background expands and when the navigation text looses its font styling and defaults to black, text cannot be read.

A similar problem occurs on the right hand side of the screen.

Fixes:

The column that holds the left navigation bar currently has a blue background.

- 1. Change this cell background to white
- 2. Modify the background property of the "Leftnav" div to have a blue background and extend its height to "100%"
- 3. On the right column of the table that holds the content, change this right column background to white.

E. 508 Standards, Section 1194.22, (e) Redundant text links shall be provided for each active region of a server-side image map.

Site Analysis:

No server-side image maps are used.

<u>F. 508 Standards, Section 1194.22, (f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.</u>

Site Analysis:

No client-side image maps used.

G. 508 Standards, Section 1194.22, (g) Row and column headers shall be identified for data tables.

Site Analysis:

Very few, if any pages use data tables. Most tables are used for layouts.

Fixes:

and <scope> tags will be used to correct tables in pages that contain data.

H. 508 Standards, Section 1194.22, (h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.

See above

<u>I. 508 Standards, Section 1194.22, (i) Frames shall be titled with text that facilitates frame identification and navigation.</u>

Site Analysis:

Only one page uses frames

http://www.csum.edu/currentstudents/physicsformaritime/index.htm

Fix:

The title of each frameset will be checked on this page



J. 508 Standards, Section 1194.22, (j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.

Site Analysis:

No pages use elements that flicker

K. 508 Standards, Section 1194.22, (k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.

This checkpoint skipped at the suggestion of the ATI WebCoP

L. 508 Standards, Section 1194.22, (I) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by assistive technology.

Site Analysis:

Most pages use the Server Side Include file "Quicklinks.htm" which includes a drop-down navigation list. The links in the drop down list work only if scripting enabled in the browser. This is loss of functionality.

Fixes:

For now we will use the <noscript> tag to create a static unordered list. This involved modifying each page and adding <script> tags around the existing Server Side include code and also adding the new ordered list enclosed within the <noscript> tags. We have tried to modify the Quicklinks.htm file itself with mixed results.

We are looking to incorporate the drop-down list modifications as documented in the book *Web Accessibility: Web Standards and Regulatory Compliance* and referred to by Tom Jewitt in ATI WebCop discussions. Another alternative is to purchase a product that is compliant.

M. 508 Standards, Section 1194.22, (m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (I).

Site Analysis:

Many of our pages contain links to PDF files. These pages do not have links to adobe to download acrobat. However the bigger issue is how do we make PDFs accessible or how do we add alternate content.

Fixes:

We currently have one page that contains links to various plugins. We can place this on each page. Also we can have a number to say "click here" to receive this document in an alternate format, for instance, a hard copy or a Microsoft word document.



N. 508 Standards, Section 1194.22, (n) When electronic forms are designed to be completed online, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.

Site Analysis:

The Quicklinks.htm server-side include drop-down list is a form. It uses the <select> tag. Navigating this list poses problems for users who cannot use a mouse. There is the option in Internet Explorer to use the Alt+cursor keys to open and navigate the list. This however does not work in Firefox.

An alternative to the drop down list must be presented.

Two other types of forms are present:

-Forms generated with Formspring (http://www.formspring.com)

For example:

http://www.csum.edu/FinancialAid/loanreplysheet.asp

-Forms generated with tools developed internally: For example:

http://www.csum.edu/elearning/webct_support.aspx

Forms are not used extensively.

Fixes:

Formspring currently designs its forms to meet 508 requirements.

Other internally created forms may need labels for input items. The Illinois Accessibility form checker can be used to identify problem areas on form pages

O. 508 Standards, Section 1194.22, (o) A method shall be provided that permits users to skip repetitive navigation links.

This checkpoint skipped at the suggestion of the ATI WebCoP

P. 508 Standards, Section 1194.22, (p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.

Site Analysis:

Our site does not have pages that require a timed response.



3. Special Pages

Collegenet

This is the server that serves as or event and scheduling calendar. It uses a third-party application that generates a web interface. Presented in the AccRepair report is the view of a sample schedule for a typical day. Some customizations are possible as it appears the stylesheets and html for the web interface are readily accessible and configurable.

• The CMA Athletics Home page- http://www.cmaathletics.org/index.htm

This domain does not use any of the styling of the main CMA website. However, styling within the pages themselves are very similar. Any remediation of a single page should be directly transferable to the other pages.