IET WiKi E-Accessibility Checklist for Developers

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E-Accessibility Checklist for Developers

Adhere to the checklist below, and your code will be nearly 100% ADA Section 508 (http://www.section508.gov) compliant!

a

- Text alternative for multimedia file tells the same story and presents the same information as the multimedia file.
- All source anchors contain text that identifies the link destination.
- The title attribute of all source a (anchor) elements describes the link destination.
- Anchor element must have a title attribute.
- Anchor must not use Javascript URL protocol.
- Adjacent links with same resource must be combined.
- Alt text for all img elements used as source anchors is different from the link text.
- Each source anchor contains text.
- No suspicious link text, such as "click here," "image,"graphic of," "bullet," "arrow," etc.
- Link sets must be grouped.
- Links to multimedia have a link to text alternative.
- Include non-link, printable characters (surrounded by spaces) between adjacent links.
- A "skip to content" link appears on all pages with blocks of material prior to the main document.
- Links to multimedia require a text transcript.
- Link text is meaningful when read out of context.
- Anchor should not open new window without warning.
- Sound file must have a text transcript.

address

- Content must have an address for author - for example: <address>listserve name</address>
- address of page author must be valid.

(all) elements

- Change of context occurs only by user activation unless a warning is provided.
- Content must be readable when stylesheets are not applied.
- Do not use tables to position elements.
- All onmouseup event handlers have an associated onkeyup event handler.
- All onmouseover event handlers have an associated onfocus event handler.
- All onmouseout event handlers have an associated onblur event handler.
- All onmousemove event handlers have corresponding keyboard-specific functions.

- All onmousedown event handlers have an associated onkeydown event handler.
- All ondblclick event handlers have corresponding keyboard-specific functions.
- All onclick event handlers have an associated onkeypress event handler.

applet

- applet provides a keyboard mechanism to return focus to the parent window.
- applet provides an html based alternative.
- applet user interface must be accessible.
- applet contains a text equivalent in the body of the applet.
- Text equivalents for applet must be updated if applet changes.
- applet contains a text equivalent in the alt attribute of the applet.
- All applets do not flicker.
- applet should not use color alone.

area

- Alt text for all area elements contains all non decorative text in the image area.
- area should not open new window without warning.
- area link to sound file must have text transcript.
- Alt text for all area elements identifies the link destination.
- All area elements have an alt attribute.

b

- b (bold) element is not used. Use <strong> to strongly emphasize.

basefont

- basefont must not be used.

blink

- blink element should never be used.

blockquote

- blockquote must not be used for indentation.

body

- Text size must be no smaller than .8em (9 pixels).
- Use scalable CSS em instead of px or pt.
- Repeated components appear in the same relative order each time they appear.
- Loading the web page does not cause a new window to open.
- All changes in text direction are marked using the dir attribute.
- Unicode right-to-left marks or left-to-right marks are used whenever the HTML bidirectional algorithm produces undesirable results.
- The document contains a breadcrumb trail if it is part of a collection.
- All groups of links with a related purpose are marked.
- Each section of content is marked with a header element.
- Do not use color to provide information (for example, required fields appear with red text. Use text or an indicator like * = required).

- The luminosity contrast ratio between visited link text and background color is at least 10:1.
- The luminosity contrast ratio between active link text and background color is at least 10:1.
- The luminosity contrast ratio between link text and background color is at least 10:1.
- The luminosity contrast ratio between text and background color is at least 10:1.
- All text colors or no text colors are set.
- All text references do not use shape, size, or relative position alone.
- Semantic markup is used to indicate emphasized or special text.
- All visual lists are marked.
- Table markup is used for all tabular information.
- The reading direction of all text is correctly marked.
- The contrast between visited link text and background color is greater than WAI ERT color algorithm threshold.
- The contrast between active link text and background color is greater than WAI ERT color algorithm threshold.
- The contrast between link text and background color is greater than WAI ERT color algorithm threshold.
- The contrast between text and background colors is greater than WAI ERT color algorithm threshold.
- The luminosity contrast ratio between visited link text and background color is at least 5:1.
- The luminosity contrast ratio between active link text and background color is at least 5:1.
- The luminosity contrast ratio between link text and background color is at least 5:1.
- The luminosity contrast ratio between text and background color is at least 5:1.
- id attributes must be unique.
- Sites must have a site map.
- Do not use background images (cannot add Alt text to background images).
- Provide a reference to a glossary.
- Emoticon missing abbr.
- No excessive use of emoticons.
- Use the blockquote element to mark up block indented paragraph quotations.
- Words and phrases not in the document's primary language are marked.
- Acronyms must be marked with acronym element.
- Abbreviations must be marked with abbr element.
- Bold, italic, underlined in combination may be headers <h1>, etc.
- Access keys are not used - Browsers and screen readers useconflicting access keys.

caption

- Table captions identify the table.

cite

- Text must be a citation.

doctype

- Strict doctype is declared.
- HTML content has a valid doctype declaration.

embed

- embed provides a keyboard mechanism to return focus to the parent window.
- embed must not have empty Alt text.
- embed must have alt attribute.
- noembed must have equivalent content.
- All embed elements have an associated noembed element that contains a text equivalent to the embed element.

font

- font must not be used. Use CSS.

form

- Information deleted using a web page can be recovered.
- Form submission data is presented to the user before final acceptance for all irreversable transactions.
- All form submission error messages provide assistance in correcting the error.
- All form submission error messages identify any empty required fields.
- The tab order specified by tabindex attributes follows a logical order.
- All checkbox groups are marked using fieldset and legend elements.
- All form fields that are required are indicated to the user as required.
- The labels for form submit buttons are unique for all buttons that lead to different results.
- All radio button groups are marked using fieldset and legend elements.
- All form elements that have labels must a title.

frame

- frame element is not used.
- All frame titles do not contain placeholder text.
- All frame titles are not empty and must be descriptive.
- The source for each frame is accessible content.
- All frame titles identify the purpose or function of the frame.
- All frames have a title attribute.

frameset

- Repeated blocks of content appear in the same frame within the frameset.
- frameset element is not used.
- frameset must have a noframes section.
- Relationship between frames must be described.

h

- All h1, h2, h3, h4, h5, h6 elements are not used for formatting.
- All h1, h2, h3, h4, h5, h6 elements contain information content.
- The header following an h1 is h1 or h2.
- The header following an h2 is h1, h2 or h3.
- The header following an h3 is h1, h2, h3 or h4.
- The header following an h4 is h1, h2, h3, h4 or h5.
- The header following an h5 is h6 or any header less than h3.

html

- Reading order direction is marked using the html element's dir attribute if the document's primary language is read right to left.
- Document validates to specification.
- Document has valid language code.
- Document has required lang attribute(s).

i

- i (italic) element is not used. Use <em> to emphasize.

iframe

- iframe must not use longdesc.
- iframes must have alternate content.

img

- No image links/input buttons - Use CSS.
- The luminosity contrast ratio between text and background color in all images is at least 10:1.
- The luminosity contrast ratio between text and background color in all images is at least 5:1.
- title attribute for all img elements is absent or the empty string ("") if the image is decorative.
- There are no adjacent text and image links having the same destination.
- Server-side image maps are not used except when image map regions cannot be defined using an available geometric shape.
- Link text does not begin with "link to," "go to," "click here," etc.
- Alt text for all img elements that are not used as source anchors conveys the same information as the image.
- All img elements do not contain a title attribute.
- All img elements with images containing math expressions have equivalent MathML markup.
- All active areas in all server-side image maps have duplicate text links in the document.
- Image used in input element - Alt text should not be placeholder text.
- Image used in input element - Alt text should not be the same as the filename.
- Alt text for all img elements is the empty string ("") if the image is decorative.
- Alt text for all img elements used as source anchors identifies the destination of the link.
- For all img elements, text does not refer to the image by color alone.
- All links in all client side image-maps are duplicated within the document.
- All img elements with an ismap attribute have a valid usemap attribute.
- Alt text for all img elements contains all text in the image unless the image text is decorative or appears elsewhere in the document.
- All img elements have associated images that do not flicker.
- All img elements that have a longdesc attribute also have an associated 'd-link'.
- A long description is used for each img element that does not have Alt text conveying the same information as the image.
- Alt text for all img elements used as source anchors is not empty when there is no other text in the anchor.
- Alt text for all img elements is not placeholder text unless author has confirmed it is correct.
- Important images should not have spacer Alt text.
- Non-Decorative images must have Alt text.
- Image Alt text is short.
- Alt text is not the same as the filename unless author has confirmed it is correct.
- Alt text is not identical to another image or text on the same page.
- All img elements have an alt attribute.

input

- All input elements, type of "submit", have a valid tab index.
- All input elements, except those with with a type attribute value of "image", do not have an alt attribute.
- All input elements, type of "radio", have a label that describes the purpose or function of the control.
- All input elements, type of "checkbox", have a label that describes the purpose or function of the control.
- All input elements, type of "text", have a label that describes the purpose or function of the control.
- All input elements, type of "password", have a label that describes the purpose or function of the control.

- All input elements, type of "file", have a label containing text.
- All input elements, type of "text", have a label containing text.
- All input elements, type of "text", have a label that is positioned close to the control.
- All input elements, type of "password", have a label containing text.
- All input elements, type of "checkbox", have a label containing text.
- All input elements, type of "file", have a label that describes the purpose or function of the control.
- All input elements, type of "radio", have a label containing text.
- Alt text for all input elements with a type attribute value of "image" contains all non decorative text in the image.
- Alt text for all input elements with a type attribute value of "image" does not use the words "submit" or "button" (English).
- Each label describes its asssociated input element.
- Each label associated with an input element contains text.
- Each input element has only one associated label.
- All label elements do not contain input elements.
- All input elements, type of "file", have a valid tab index.
- All input elements, type of "checkbox", have a valid tab index.
- All input elements, type of "password", have a valid tab index.
- All input elements, type of "radio", have a valid tab index.
- All input elements, type of "text", have a valid tab index.
- input control, type of "text", must have valid default text.
- All input elements, type of "radio", have a label that is positioned close to the control.
- All input elements, type of "file", have a label that is positioned close to the control.
- All input elements, type of "checkbox", have a label that is positioned close to the control.
- All input elements, type of "password", have a label that is positioned close to the control.
- All input elements, type of "radio", have an explicitly associated label.
- All input elements, type of "file", have an explicitly associated label.
- All input elements, type of "checkbox", have an explicitly associated label.
- All input elements, type of "password", have an explicitly associated label.
- input element, type of "text", must have default text.
- Alt text for all input elements with a type attribute value of "image" is less than 100 characters (English) or the user has confirmed that the Alt text is as short as possible.
- Alt text for all input elements with a type attribute value of "image" identifies the purpose or function of the image.
- All input elements with a type attribute value of "image" have an alt attribute.
- All input elements, type of "text", have an explicitly associated label.
- input should not use color alone.

legend

- legend text is not placeholder text.
- legend text is not empty or whitespace.
- legend text describes the group of choices.

link

- Document should use LINK for alternate content.
- Document uses link element to describe navigation if it is within a collection.
- Document must be readable when stylesheets are not applied.

marquee

- Do not use the marquee element.

menu

- menu items should not be used to format text.
- Meta refresh is not used with a time-out.
- Auto-redirect must not be used.

noframes

- NOFRAMES section must contain text equivalent of FRAMES section.

object

- object provides a keyboard mechanism to return focus to the parent window.
- Use the embed element within the object element.
- object may require a long description.
- object link to multimedia file require equivalent alternatives (e.g., captions or auditory descriptions of the visual track).
- object user interface must be accessible.
- Content must be usable when objects are disabled.
- Text equivalents for object should be updated if object changes.
- All objects contain a text equivalent of the object.
- object must have a valid title.
- object must have a title.
- object link to multimedia file must have text transcript.
- object user interface must be accessible.
- Content must be usable when object are disabled.
- Text equivalents for object should be updated if object changes.
- object must not use color alone.
- All objects do not flicker.

ol/ul

- CSS must be used to hide link groups.
- Link group title must describe the link group.
- Link groups must have a title.
- Use CSS, not images, to change list bullets.
- Nested ordered lists should use style to convey list depth.
- List items must not be used to format text.
- Must contain list items.

p

- All p elements are not used as headers.

pre

- pre element should not be used to create tabular layout.
- ASCII art should have a skipover link.
- ASCII art should be replaced with image.

script

- Content must be readable when stylesheets are not applied (SCRIPT).
- script must have a noscript section.
- User interface for script must be accessible.
- Content must be accessible (have accessible alternative) when script is disabled.
- script should not cause screen flicker.
- Color alone should not be used in the script.

select

- All select elements have a label that describes the purpose or function of the control.
- All select elements have a label that is positioned close to the control.
- All select elements have a label that contains text.
- All select elements containing a large number options also contain optgroup elements.
- All select elements do not cause an extreme change in context.
- All select elements have an explicitly associated label.

table

- Data tables that contain more than one row/column of headers use the id and headers attributes to identify cells.
- Data tables that contain both row and column headers use the scope attribute to identify cells.
- Table summaries do not duplicate the table captions.
- Use colgroup and col elements to group columns.
- Use thead to group repeated table headers, tfoot for repeated table footers, and tbody for other groups of rows.
- All data table summaries describe navigation and structure of the table.
- Substitutes for table header labels must be terse.
- Long table header labels require terse substitutes.
- All data tables contain a caption unless the table is identified within the document.
- All layout tables do not contain th elements.
- All data tables contain th elements.
- All layout tables make sense when linearized.
- All layout tables do not contain caption elements.
- All layout tables have an empty summary attribute or no summary attribute.
- All data table summaries are greater than 10 printable characters (English).
- All data table summaries contain text.
- All complex data tables have a summary.
- Reading order of table must be logical.
- Tables mustnot be used for design or positioning elements. Use <div>.

textarea

- All textarea elements have a label that describes the purpose or function of the control.
- All textarea elements have a label containing text.
- All textarea elements have a label that is positioned close to control.
- All textarea elements have an explicitly associated label.

title

- title describes the document.
- title is not placeholder text.
- title is short.
- title contains text.
- Document contains a title element.

- title must not be missing.

Printed by Atlassian Confluence 3.4.6, the Enterprise Wiki.