

# Issue Report

Site quality report for <http://litemapdev.kmi.open.ac.uk/> produced on October 29, 2024.

Accessibility



136 pages with accessibility problems

## Accessibility

This section shows accessibility issues, indicating problems for older users, people with disabilities or accessibility needs. Automated testing cannot detect all accessibility issues, so should be used alongside human testing.

### Level A

11 issues on 131 pages

- Clickable controls should be keyboard accessible.

Add `tabindex=0` to allow keyboard users to tab to the control.

[WCAG 2.1 A F15 Section 508 \(2017\) A F15](#)

<http://litemapdev.kmi.open.ac.uk/ui/pages/conditionsofuse.php> line 127

<http://litemapdev.kmi.open.ac.uk/user.php?userid=879c3d26-e77d-4b9b-bb00-273ad2b77e17> line 205 223

- Clickable controls should have an ARIA role.

Controls that respond to clicks should be given an ARIA role such as `role=button` or `role=link`. `div` `span` and `a` elements without an `href` attribute have no semantic role.

[WCAG 2.1 A F54 Section 508 \(2017\) A F54](#)

<http://litemapdev.kmi.open.ac.uk/ui/pages/conditionsofuse.php> line 127

<http://litemapdev.kmi.open.ac.uk/user.php?userid=879c3d26-e77d-4b9b-bb00-273ad2b77e17> line 205 223

- Document must have a title.

For HTML pages add a `title` element. For Office documents and PDF documents produced from Office, fill in the Title in Document Properties before saving as PDF.

[WCAG 2.1 A 2.4.2 Section 508 \(2017\) A 2.4.2](#)

<http://litemapdev.kmi.open.ac.uk/user.php?id=8e9a5148-7904-4244-9368-c5784105595a> line 1

<http://litemapdev.kmi.open.ac.uk/user.php?id=c2847c2c-fcc0-4397-a0d9-cbe16daccab> line 1

- Elements with `role=tablist` must contain or own an element with `role=tab` and must not contain elements with other roles.

[HTML5 ARIA 1.2 WCAG 2.1 A 1.3.1 Section 508 \(2017\) A 1.3.1](#)

Owned roles: `link` <http://litemapdev.kmi.open.ac.uk/> line 147

Owned roles: `link` <http://litemapdev.kmi.open.ac.uk/index.php?lang=de> line 125

Owned roles: `link` <http://litemapdev.kmi.open.ac.uk/index.php?lang=en> line 125

Owned roles: `link` <http://litemapdev.kmi.open.ac.uk/index.php?lang=pt> line 126

- Identify row and column headers in data tables using `th` elements, and mark layout tables with `role=presentation`.

Data tables allow screen reader users to understand column and row relationships. Layout tables read cells as a series of unrelated paragraphs with no tabular structure. Without `th` or `role`, screen readers apply heuristics to decide whether a table is a layout table or data table. These heuristics vary greatly between screen readers, and are affected by browser being used, window size, and font size (so the outcome is very unpredictable without `th` or `role`). If a data table has headers marked up using `td`, then change these to `th`. If a data table has no headers, add `th` elements describing each row and/or column. If the table is only used for layout add `role=presentation` to the `table` element.

- JAWS Reading: Treats tables without `th` and `role` as layout tables if the table contains cells above or below certain pixel sizes. This measurement is affected by browser window size, browser font size, and the browser used.
- NVDA Reading: Applies a layout table heuristic to tables without `th` and `role` which varies depending on the browser used and on the window size in some circumstances.
- VoiceOver Reading: Uses a sophisticated heuristic on tables without `th` and `role`, which is similar (but not identical) to the heuristic used by NVDA with Firefox.

[WCAG 2.1 A F91 Section 508 \(2017\) A F91](#)

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cdown&lastsort=NodeType&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cdown&lastsort=vote&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cup&lastsort=NodeType&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cup&lastsort=vote&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=down&lastsort=Name&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=down&lastsort=NodeType&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=down&lastsort=vote&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=Name&lastsort=Name&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=Name&lastsort=NodeType&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=Name&lastsort=vote&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=NodeType&lastsort=Name&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=NodeType&lastsort=NodeType&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=NodeType&lastsort=vote&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=up&lastsort=Name&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=up&lastsort=NodeType&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=up&lastsort=vote&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=vote&lastsort=NodeType&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=vote&lastsort=vote&lastdir=DESC> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?page=votes> line 136 143 150 173 272 ...

<http://litemapdev.kmi.open.ac.uk/user.php?userid=879c3d26-e77d-4b9b-bb00-273ad2b77e17> line 211 235 249

● **img** elements must have an accessible name.

Add an **alt** attribute describing the image, which screen readers voice instead of the image. Spacer images and purely decorative images should use **alt=""** without any global ARIA attributes. Do not use **alt** text containing only spaces since that's voiced as an unlabeled image.

- NVDA 2023.3 Chrome 120 Windows 10 Reading: Image ignored.
- NVDA 2023.3 FF 115 Windows 10 Reading: Image ignored.
- NVDA 2023.3 Edge 120 Windows 10 Reading: Image ignored.
- JAWS 2023.2311.34 Chrome 120 Windows 10 Reading: Image ignored.
- JAWS 2023.2311.34 FF 115 Windows 10 Reading: Image ignored.
- JAWS 2023.2311.34 Edge 120 Windows 10 Reading: Image ignored.

- VoiceOver macOS 13.6 Safari 16.6 macOS 13.6.0 Reading: Image filename read out.
- VoiceOver iOS 16.6 Safari iOS 16.6 iOS 16.6.1 Touch: Image filename read out, along with OCR text from image.

[WCAG 2.1 A F65 Section 508 \(2017\) A F65](#)

<http://litemapdev.kmi.open.ac.uk/ui/pages/builderhelp.php> line 170 212

<http://litemapdev.kmi.open.ac.uk/ui/stats/activityanalysis.php?page=activityfilter> line 187

<http://litemapdev.kmi.open.ac.uk/ui/stats/useractivityanalysis.php?page=useractivityfilter> line 187

● Links must have an accessible name.

- Add text between the a element start and end tags
- Add an aria-label attribute
- Add an aria-labelledby attribute
- Add an img alt attribute labeling the link if it contains an img element

[WCAG 2.1 A F89 Section 508 \(2017\) A F89](#)

<http://litemapdev.kmi.open.ac.uk/index.php?lang=de> line 74

<http://litemapdev.kmi.open.ac.uk/index.php?lang=pt> line 75

● Some pages have the same `title`, so the title cannot be used to distinguish pages.

Change the `title` elements so they are unique for each page.

[WCAG 2.1 A F25 Section 508 \(2017\) A F25](#)

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/explore.php?id=137108252160653003001407352125> line 9

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230381107001398766939> line 9

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230994104001406212448> line 9

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/pages/builderhelp.php> line 9

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/pages/conditionsofuse.php> line 9

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/pages/forgot.php> line 10

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/pages/privacy.php> line 9

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/pages/registerrequest.php> line 10

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/pages/releases.php> line 9

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/activityanalysis.php?page=activityfilter> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/circlepacking.php?page=circlepacking> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/index.php?page=home> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/newIdeas.php?page=ideas> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/overview.php?page=overview> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/socialnetwork.php?page=social> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/stackedarea.php?page=stackedarea> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/streamgraph.php?page=streamgraph> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/sunburst.php?page=sunburst> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/useractivityanalysis.php?page=useractivityfilter> line 7

'Lite Map Dev' is used on <http://litemapdev.kmi.open.ac.uk/> and <http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?page=votes> line 7

- This element uses JavaScript to behave like a link. Links like this cannot be tabbed to from the keyboard and are not read out when screen readers list the links on a page. Use an `a` or `area` element with a fallback link target in the `href` attribute, to ensure it receive keyboard focus and behaves like a link.

[WCAG 2.1 A F42 Section 508 \(2017\) A F42](#)

<http://litemapdev.kmi.open.ac.uk/> line 422

<http://litemapdev.kmi.open.ac.uk/index.php?lang=de> line 433

<http://litemapdev.kmi.open.ac.uk/index.php?lang=en> line 433

<http://litemapdev.kmi.open.ac.uk/index.php?lang=pt> line 434

<http://litemapdev.kmi.open.ac.uk/user.php?userid=879c3d26-e77d-4b9b-bb00-273ad2b77e17> line 316 343 370 452 479 ...

- Use semantic markup like `strong` instead of using the CSS `font-weight` property. Use the `strong` element instead of the `span` element for bold text.

[WCAG 2.1 A F2 Section 508 \(2017\) A F2](#)

<http://litemapdev.kmi.open.ac.uk/ui/pages/registerrequest.php> line 85 91 97 109 122 ...

- Use the `lang` attribute to identify the language of the page.

In HTML add a `lang` attribute containing a language code to the `html` tag, and in PDF set the language using Document Properties in Acrobat. This allows screen readers to pronounce words correctly.

[WCAG 2.1 A 3.1.1 Section 508 \(2017\) A 3.1.1](#)

<http://litemapdev.kmi.open.ac.uk/user.php?id=8e9a5148-7904-4244-9368-c5784105595a> line 1

<http://litemapdev.kmi.open.ac.uk/user.php?id=c2847c2c-fcc0-4397-a0d9-cbe16daccab> line 1

## Level AA

2 issues on 109 pages

- Ensure that text and background colors have enough contrast.

- The contrast ratio should be 3.0 or more for 18 point text, or larger
- The contrast ratio should be 3.0 or more for 14 point bold text, or larger
- The contrast ratio should be 4.5 or more for all other text

[WCAG 2.1 AA 1.4.3 Section 508 \(2017\) AA 1.4.3](#)

The text color to background color contrast ratio after composition is: with `color: rgb(255,0,0)` background: `rgb(255,255,255)` font-size: 12pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/explore.php?id=137108252160653003001407352125> line 126

The text color to background color contrast ratio after composition is: with `color: rgb(255,0,0)` background: `rgb(255,255,255)` font-size: 12pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/explore.php?id=1722128760386188001424103711>

line 126

The text color to background color contrast ratio after composition is: with color: rgb(255,0,0) background: rgb(255,255,255) font-size: 12pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230060820001407409659>

line 126

The text color to background color contrast ratio after composition is: with color: rgb(255,0,0) background: rgb(255,255,255) font-size: 12pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230677602001407241863>

line 126

The text color to background color contrast ratio after composition is: with color: rgb(255,0,0) background: rgb(255,255,255) font-size: 12pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230697625001404483530>

line 126

The text color to background color contrast ratio after composition is: with color: rgb(255,0,0) background: rgb(255,255,255) font-size: 12pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230940640001407339595>

line 126

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<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230994104001406212448>

line 126

The text color to background color contrast ratio after composition is: with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cdown&lastsort=vote&lastdir=DESC> line 175 176 177 178 179 ...

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rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cup&lastsort=vote&lastdir=DESC> line 175 176 177 178 179 ...

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<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=down&lastsort=NodeType&lastdir=DESC> line 175 176 177 178 179 ...

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<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=Name&lastsort=NodeType&lastdir=DESC> line 175 176 177 178 179 ...

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<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=Name&lastsort=vote&lastdir=DESC> line 175 176 177 178 179 ...

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<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=NodeType&lastsort=NodeType&lastdir=DESC> line 175 176 177 178 179 ...

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<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=up&lastsort=NodeType&lastdir=DESC> line 175 176 177 178 179 ...

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The text color to background color contrast ratio after composition is: with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?page=votes> line 175 176 177 178 179 ...

The text color to background color contrast ratio after composition is: with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 900 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 900 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 900 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 900 with color: rgb(255,255,255) background: rgb(111,203,245) font-size: 10.80pt font-weight: 900

<http://litemapdev.kmi.open.ac.uk/user.php?userid=879c3d26-e77d-4b9b-bb00-273ad2b77e17> line 213 237 238 251 252 ...

- Provide two or more ways to reach each page: via links, search, a site map or table of contents.

You should provide a link labeled 'Site Map' or 'Sitemap' or the equivalent in your language, or a search option on every page, or links to all pages from the home page.

[WCAG 2.1 AA 2.4.5 Section 508 \(2017\) AA 2.4.5](#)

<http://litemapdev.kmi.open.ac.uk/user.php?id=8e9a5148-7904-4244-9368-c5784105595a> line 1

<http://litemapdev.kmi.open.ac.uk/user.php?id=c2847c2c-fcc0-4397-a0d9-cbe16daccab>  
line 1

## Level AAA

5 issues on 134 pages

- Avoid specifying a new window as the target of a link with `target=_blank`.

Displaying new windows without warning can be very confusing to non-sighted and mobile users. Some screen readers and mobile devices give very little indication a new tab or window has opened. If you cannot avoid displaying a new window, insert an "opens in a new window" warning into the link text or add the warning to the link using a `title` attribute or `aria-describedby` attribute.

[WCAG 2.1 AAA F22](#)

<http://litemapdev.kmi.open.ac.uk/> line 346

<http://litemapdev.kmi.open.ac.uk/index.php?lang=de> line 333

<http://litemapdev.kmi.open.ac.uk/index.php?lang=en> line 333

<http://litemapdev.kmi.open.ac.uk/index.php?lang=pt> line 334

<http://litemapdev.kmi.open.ac.uk/ui/pages/privacy.php> line 177

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cdown&lastsort=NodeType&lastdir=DESC> line 185 194 212 310 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cdown&lastsort=vote&lastdir=DESC> line 194 203 212 324 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cup&lastsort=NodeType&astdir=DESC> line 185 203 212 303 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cup&lastsort=vote&lastdir=DESC> line 185 194 212 317 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=down&lastsort=NodeType&lastdir=DESC> line 185 194 212 310 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=down&lastsort=vote&lastdir=DESC> line 185 194 221 289 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=Name&lastsort=NodeType&lastdir=DESC> line 185 203 212 303 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=Name&lastsort=vote&lastdir=DESC> line 185 203 212 324 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=NodeType&lastsort=NodeType&lastdir=DESC> line 185 194 212 317 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=NodeType&lastsort=vote&lastdir=DESC> line 185 212 221 289 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=up&lastsort=NodeType&lastdir=DESC> line 185 194 212 317 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=up&lastsort=vote&lastdir=DESC> line 185 194 212 317 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=vote&lastsort=NodeType&lastdir=DESC> line 185 194 212 317 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=vote&lastsort=vote&lastdir=DESC> line 185 203 212 303 ...

<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?page=votes> line 185 194 212 303 ...

- Clickable targets must be at least 44 by 44 CSS pixels.

#### [WCAG 2.1 2.5.5](#)

81 x 24 <http://litemapdev.kmi.open.ac.uk/> line 490

81 x 24 <http://litemapdev.kmi.open.ac.uk/index.php?lang=de> line 514

81 x 24 <http://litemapdev.kmi.open.ac.uk/index.php?lang=en> line 514

81 x 24 <http://litemapdev.kmi.open.ac.uk/index.php?lang=pt> line 515

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/pages/about.php> line 149

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/pages/conditionsofuse.php> line 153

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/pages/cookies.php> line 156

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/pages/forgot.php> line 112

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/pages/help.php> line 217

81 x 24

<http://litemapdev.kmi.open.ac.uk/ui/pages/login.php?ref=http%3A%2F%2Flitemapdev.kmi.open.ac.uk%2Fui%2Fpages%2Fprofile.php> line 129

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/pages/privacy.php> line 212

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/pages/registerrequest.php> line 192

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/pages/releases.php> line 261

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/stats/> line 234

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/stats/index.php?page=home> line 237

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/stats/overview.php?page=overview> line 889

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/stats/socialnetwork.php?page=social> line 167

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/stats/stackedarea.php?page=stackedarea>  
line 171

81 x 24 <http://litemapdev.kmi.open.ac.uk/ui/stats/sunburst.php?page=sunburst> line  
173

81 x 24 <http://litemapdev.kmi.open.ac.uk/user.php?userid=879c3d26-e77d-4b9b-bb00-273ad2b77e17> line 568

- Each section of content should begin with a heading element ( `h1` , `h2` , `h3` ), but this page has no headings.

In HTML place headings before each section of content, making sure the main heading is `h1` , sub-headings are `h2` and so on. For PDFs produced from Word, use the Heading 1, Heading 2 and Heading 3 styles.

[WCAG 2.1 AAA 2.4.10](#)

<http://litemapdev.kmi.open.ac.uk/explore.php?id=137108252160653003001407352125>  
line 1

<http://litemapdev.kmi.open.ac.uk/explore.php?id=137108661540429254001385484137>  
line 1

<http://litemapdev.kmi.open.ac.uk/explore.php?id=1722128760386188001424103711>  
line 1

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230060820001407409659>  
line 1

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230381107001398766939>  
line 1

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230677602001407241863>  
line 1

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230697625001404483530>  
line 1

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230940640001407339595>  
line 1

<http://litemapdev.kmi.open.ac.uk/explore.php?id=87139107230994104001406212448>  
line 1

- Ensure that text and background colors have a 7:1 contrast ratio.

- The contrast ratio should be 4.5 or more for 18 point text, or larger
- The contrast ratio should be 4.5 or more for 14 point bold text, or larger
- The contrast ratio should be 7.0 or more for all other text

[WCAG 2.1 AAA 1.4.6](#)

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 700 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 <http://litemapdev.kmi.open.ac.uk/> line 323 324 384 388 ...

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 700 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 <http://litemapdev.kmi.open.ac.uk/index.php?lang=de> line 312 313 388 392 501 ...

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 700 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 <http://litemapdev.kmi.open.ac.uk/index.php?lang=en> line 312 313 388 392 501 ...

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 700 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 <http://litemapdev.kmi.open.ac.uk/index.php?lang=pt> line 313 314 389 393 502 ...

The text color to background color contrast ratio after composition is: with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(169,26,112) background: rgb(248,249,250) font-size: 8.64pt font-weight: 700 with color:

rgb(169,26,112) background: rgb(248,249,250) font-size: 8.64pt  
font-weight: 700 <http://litemapdev.kmi.open.ac.uk/ui/pages/about.php> line 124  
136 141 143 146 ...

The text color to background color contrast ratio after composition is: with color:  
rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt  
font-weight: 500 with color: rgb(78,114,95) background:  
rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color:  
rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt  
font-weight: 500 with color: rgb(78,114,95) background:  
rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color:  
rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt  
font-weight: 700 <http://litemapdev.kmi.open.ac.uk/ui/pages/builderhelp.php> line  
126 127 129 139 176 ...

The text color to background color contrast ratio after composition is: with color:  
rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt  
font-weight: 500 with color: rgb(78,114,95) background:  
rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color:  
rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt  
font-weight: 400 with color: rgb(105,105,105) background:  
rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color:  
rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt  
font-weight: 400 <http://litemapdev.kmi.open.ac.uk/ui/pages/conditionsofuse.php>  
line 126 127 127 140 145 ...

The text color to background color contrast ratio after composition is: with color:  
rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt  
font-weight: 400 with color: rgb(78,114,95) background:  
rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color:  
rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt  
font-weight: 400 with color: rgb(105,105,105) background:  
rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color:  
rgb(255,255,255) background: rgb(78,114,95) font-size: 10.80pt  
font-weight: 700 <http://litemapdev.kmi.open.ac.uk/ui/pages/cookies.php> line 129  
130 130 143 ...

The text color to background color contrast ratio after composition is: with color:  
rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt  
font-weight: 500 with color: rgb(105,105,105) background:  
rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color:  
rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt  
font-weight: 400 with color: rgb(105,105,105) background:  
rgb(255,255,255) font-size: 12pt font-weight: 400 with color:  
rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt  
font-weight: 400 <http://litemapdev.kmi.open.ac.uk/ui/pages/forgot.php> line 71 75  
79 99 104 ...

The text color to background color contrast ratio after composition is: with color:  
rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt



font-weight: 500 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 <http://litemapdev.kmi.open.ac.uk/ui/pages/help.php> line 125 128 133 140 147 ...

The text color to background color contrast ratio after composition is: with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(169,26,112) background: rgb(248,249,250) font-size: 8.64pt font-weight: 700 <http://litemapdev.kmi.open.ac.uk/ui/pages/login.php?ref=http%3A%2F%2Flitemapdev.kmi.open.ac.uk%2Fui%2Fpages%2Fprofile.php> line 74 75 116 121 123 ...

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 <http://litemapdev.kmi.open.ac.uk/ui/pages/privacy.php> line 134 135 136 164 165 ...

The text color to background color contrast ratio after composition is: with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(169,26,112) background: rgb(248,249,250) font-size: 8.64pt font-weight: 700 <http://litemapdev.kmi.open.ac.uk/ui/pages/registerrequest.php> line 74 85 179 184 186 ...

The text color to background color contrast ratio after composition is: with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 12pt font-weight: 400 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 12pt font-weight: 400 with color:

rgb(105,105,105) background: rgb(255,255,255) font-size: 12pt font-weight: 400 <http://litemapdev.kmi.open.ac.uk/ui/pages/releases.php> line 127 128 130 131 132 ...

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 12.96pt font-weight: 700 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 12.96pt font-weight: 700 <http://litemapdev.kmi.open.ac.uk/ui/stats/> line 119 134 142 226 ...

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 12.96pt font-weight: 700 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 12.96pt font-weight: 700 <http://litemapdev.kmi.open.ac.uk/ui/stats/index.php?page=home> line 122 137 145 229 ...

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(169,26,112) background: rgb(248,249,250) font-size: 8.64pt font-weight: 700 with color: rgb(169,26,112) background: rgb(248,249,250) font-size: 8.64pt font-weight: 700 <http://litemapdev.kmi.open.ac.uk/ui/stats/overview.php?page=overview> line 122 881 883 886 ...

The text color to background color contrast ratio after composition is: with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 <http://litemapdev.kmi.open.ac.uk/ui/stats/socialnetwork.php?page=social> line 122 141 154 159 ...

The text color to background color contrast ratio after composition is: with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(255,255,255) font-size: 10.80pt font-weight: 400 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400

<http://litemapdev.kmi.open.ac.uk/ui/stats/sunburst.php?page=sunburst> line 122 148 160 165 ...

The text color to background color contrast ratio after composition is: with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 15.60pt font-weight: 500 with color: rgb(105,105,105) background: rgb(248,249,250) font-size: 9.60pt font-weight: 400 with color: rgb(78,114,95) background: rgb(255,255,255) font-size: 16.80pt font-weight: 500 <http://litemapdev.kmi.open.ac.uk/user.php?userid=879c3d26-e77d-4b9b-bb00-273ad2b77e17> line 151 197 229 555 ...

- Several links on a page share the same link text, but go to different destinations.

Make the link text unique for each target, or add additional text using aria-label.

### [WCAG 2.1 AAA 2.4.9](#)

Link text: Home Home <http://litemapdev.kmi.open.ac.uk/ui/stats/> line 77

Link text: Home Home <http://litemapdev.kmi.open.ac.uk/ui/stats/activityanalysis.php?page=activityfilter> line 77

Link text: Home Home <http://litemapdev.kmi.open.ac.uk/ui/stats/circlepacking.php?page=circlepacking> line 77

Link text: Home Home <http://litemapdev.kmi.open.ac.uk/ui/stats/index.php?page=home> line 77

Link text: Home Home <http://litemapdev.kmi.open.ac.uk/ui/stats/newIdeas.php?page=ideas> line 77

Link text: Home Home <http://litemapdev.kmi.open.ac.uk/ui/stats/overview.php?page=overview> line 77

Link text: Home Home <http://litemapdev.kmi.open.ac.uk/ui/stats/socialnetwork.php?page=social> line 77

Link text: Home Home <http://litemapdev.kmi.open.ac.uk/ui/stats/stackedarea.php?page=stackedarea> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/streamgraph.php?page=streamgraph> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/sunburst.php?page=sunburst> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/useractivityanalysis.php?page=useractivityfilter> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cdown&lastsort=vote&lastdir=DESC> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=cup&lastsort=vote&lastdir=DESC> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=down&lastsort=vote&lastdir=DESC> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=Name&lastsort=vote&lastdir=DESC> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=NodeType&lastsort=NodeType&lastdir=DESC> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=NodeType&lastsort=vote&lastdir=DESC> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=up&lastsort=vote&lastdir=DESC> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?&sort=vote&lastsort=vote&lastdir=DESC> line 77

Link text: Home Home  
<http://litemapdev.kmi.open.ac.uk/ui/stats/votes.php?page=votes> line 77

## Informative

These messages are for information only and do not indicate errors or conformance problems.

- WCAG Success Criteria 4.1.1 is always satisfied for HTML and XML pages.

Since WCAG 2 4.1.1 was written, the HTML Standard has added requirements specifying exactly how browsers handle incomplete markup, incorrectly nested elements, duplicate attributes, and duplicate IDs. This means the "except where the specifications allow" condition in 4.1.1 is satisfied.

[WCAG 2.1 4.1.1](#)

<http://litemapdev.kmi.open.ac.uk/> line 1