**Requirements**

Create a project on Github that has the following elements:

1. Does not mention the name “Kraken” in its title or filenames
2. Dockerized for ease of distribution and updating of tests
3. Preferably use Typescript. Javascript is acceptable.
4. Required: Cypress, Cucumber.
5. Use any additional libraries you deem necessary.
6. Runs both Firefox and Chrome
7. Browses a selection of pages on the w3.org site and validates the following:
8. There are no console errors on page loads (chrome minimum)
9. The response code from the page (200, 302, 404, etc.)
10. All links on the page go to another live (non 4xx) page (no need to actually parse the linked page/image).
11. Pages to browse:

11.1. <https://www.w3.org/standards/badpage>

11.2. <https://www.w3.org/standards/webofdevices/multimodal>

11.3. <https://www.w3.org/standards/webdesign/htmlcss>

1. Report the results of the scan.

**Chrome Scenario**

**Requirement(s):** 6, 7, 8, 9 & 11.1

**Test CH01**: Test to ensure there are no console errors on page loads in Chrome for the ‘badpage’ page and the correct response code is given

**Given :** The user enters the ‘badpage’ URL into the Chrome browser search bar

**(**<https://www.w3.org/standards/badpage>)

**When :** The user clicks the Chrome browser search button

**Then** : The ‘badpage’ page loads and there are no console errors and the <404> response code is given

**Actual result:** The ‘badpage’ page loads and there are no console errors and the <404> response code is given

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 7, 8, 9 & 11.2

**Test CH02**: Test to ensure there are no console errors on page loads in Chrome for the ‘multimodal’ page and the correct response code is given

**Given :** The user enters the ‘multimodal’ URL into the Chrome browser search bar

**(**<https://www.w3.org/standards/webofdevices/multimodal>)

**When :** The user clicks the Chrome browser search button

**Then** : The ‘multimodal’ page loads and there are no console errors and the <200> response code is given

**Actual result:** The ‘multimodal’ page loads and there are no console errors and the <200> response code is given

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 7, 8, 9 & 11.3

**Test CH03**: Test to ensure there are no console errors on page loads in Chrome for the ‘htmlcss’ page and the correct response code is given

**Given :** The user enters the ‘multimodal’ URL into the Chrome browser search bar

**(**<https://www.w3.org/standards/webdesign/htmlcss>)

**When :** The user clicks the Chrome browser search button

**Then** : The ‘htmlcss’ page loads and there are no console errors and the <200> correct response code is given

**Actual result:** The ‘htmlcss’ page loads and there are no console errors and the <200> correct response code is given

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 10 & 11.1

**Test CH04**: Test to ensure that all the links on the ‘badpage’ page go to another live (non 4xx) on Chrome

**Given :** The user enters the ‘badpage’ URL into the Chrome browser search bar and user clicks the Chrome browser search button

**(**<https://www.w3.org/standards/badpage>)

**When :** The user clicks the W3C Home page, Site Map and W3C Webmaster FAQ links.

**Then** : For each individual link the page goes to another live (non 4xx) page

**Actual result:** For each individual link the page goes to another live (non 4xx) page

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 10 & 11.1

**Test CH05**: Test to ensure that all the links on the ‘mutimodal’ page go to another live (non 4xx) on Chrome

**Given :** The user enters the ‘multimodal’ URL into the Chrome browser search bar and user clicks the Chrome browser search button

**(**<https://www.w3.org/standards/webofdevices/multimodal>)

**When :** The user clicks the Multimodal Interaction Activity, Multimodal Interaction Activity home page, Kazuyuki Ashimura and <ashimura@w3.org>links.

**Then** : For each individual link the page goes to another live (non 4xx) page

**Actual result:** For each individual link the page goes to another live (non 4xx) page

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 10 & 11.1

**Test CH06**: Test to ensure that all the links on the ‘htmlcss’ page go to another live (non 4xx) on Chrome

**Given :** The user enters the ‘htmlcss’ URL into the Chrome browser search bar and user clicks the Chrome browser search button

**(**<https://www.w3.org/standards/webdesign/htmlcss>)

**When :** The user clicks the HTML, CSS, graphics, scripting, XML, XSLT, tutorials for HTML and CSS, JD Supra, “Website Accessibility Cases Under The ADA—What Are Owners And Operators To Do?”,

InfoQ, “Microsoft Edge Now Supports W3C WebDriver Recommendation”, Security Boulevard, “WebAuthn, Passwordless Authentication”, Payments Source and “Merchants must avoid getting lost in e-wallets' diversity” links.

**Then** : For each individual link the page goes to another live (non 4xx) page

**Actual result:** For each individual link the page goes to another live (non 4xx) page

**Execution Status**: Passed

**Defect ID**: N/A

**FireFox Scenario**

**Requirement(s):** 6, 7, 8, 9 & 11.1

**Test FF01**: Test to ensure there are no console errors on page loads in Chrome for the ‘badpage’ page and the correct response code is given

**Given :** The user enters the ‘badpage’ URL into the Chrome browser search bar

**(**<https://www.w3.org/standards/badpage>)

**When :** The user clicks the Chrome browser search button

**Then** : The ‘badpage’ page loads and there are no console errors and the <404> response code is given

**Actual result:** The ‘badpage’ page loads and there are no console errors and the <404> response code is given

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 7, 8, 9 & 11.2

**Test FF02**: Test to ensure there are no console errors on page loads in Chrome for the ‘multimodal’ page and the correct response code is given

**Given :** The user enters the ‘multimodal’ URL into the Chrome browser search bar

**(**<https://www.w3.org/standards/webofdevices/multimodal>)

**When :** The user clicks the Chrome browser search button

**Then** : The ‘multimodal’ page loads and there are no console errors and the <200> response code is given

**Actual result:** The ‘multimodal’ page loads and there are no console errors and the <200> response code is given

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 7, 8, 9 & 11.3

**Test FF03**: Test to ensure there are no console errors on page loads in Chrome for the ‘htmlcss’ page and the correct response code is given

**Given :** The user enters the ‘multimodal’ URL into the Chrome browser search bar

**(**<https://www.w3.org/standards/webdesign/htmlcss>)

**When :** The user clicks the Chrome browser search button

**Then** : The ‘htmlcss’ page loads and there are no console errors and the <200> correct response code is given

**Actual result:** The ‘htmlcss’ page loads and there are no console errors and the <200> correct response code is given

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 10 & 11.1

**Test FF04**: Test to ensure that all the links on the ‘badpage’ page go to another live (non 4xx) on Chrome

**Given :** The user enters the ‘badpage’ URL into the Chrome browser search bar and user clicks the Chrome browser search button

**(**<https://www.w3.org/standards/badpage>)

**When :** The user clicks the W3C Home page, Site Map and W3C Webmaster FAQ links.

**Then** : For each individual link the page goes to another live (non 4xx) page

**Actual result:** For each individual link the page goes to another live (non 4xx) page

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 10 & 11.1

**Test FF05**: Test to ensure that all the links on the ‘mutimodal’ page go to another live (non 4xx) on Chrome

**Given :** The user enters the ‘multimodal’ URL into the Chrome browser search bar and user clicks the Chrome browser search button

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**When :** The user clicks the Multimodal Interaction Activity, Multimodal Interaction Activity home page, Kazuyuki Ashimura and <ashimura@w3.org>links.

**Then** : For each individual link the page goes to another live (non 4xx) page

**Actual result:** For each individual link the page goes to another live (non 4xx) page

**Execution Status**: Passed

**Defect ID**: N/A

**Requirement(s):** 6, 10 & 11.1

**Test FF06**: Test to ensure that all the links on the ‘htmlcss’ page go to another live (non 4xx) on Chrome

**Given :** The user enters the ‘htmlcss’ URL into the Chrome browser search bar and user clicks the Chrome browser search button

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**When :** The user clicks the HTML, CSS, graphics, scripting, XML, XSLT, tutorials for HTML and CSS, JD Supra, “Website Accessibility Cases Under The ADA—What Are Owners And Operators To Do?”,

InfoQ, “Microsoft Edge Now Supports W3C WebDriver Recommendation”, Security Boulevard, “WebAuthn, Passwordless Authentication”, Payments Source and “Merchants must avoid getting lost in e-wallets' diversity” links.

**Then** : For each individual link the page goes to another live (non 4xx) page

**Actual result:** For each individual link the page goes to another live (non 4xx) page

**Execution Status**: Passed

**Defect ID**: N/A