MAUVE++ SUPPORTED WCAG 2.1 TECHNIQUES

SC	Techniques	Description	What checks	Code type
1.1.1	ARIA6	Using aria-label to provide labels for objects	Checks that an image button has label. Checks that svg elements with image role have an accessible name	Html
1.1.1	F30	Failure of Success Criterion 1.1.1 and 1.2.1 due to using text alternatives that are not alternatives	It sends a warning if the alt and src attributes have the same values	Html
1.1.1	F65	Failure of Success Criterion 1.1.1 due to omitting the alt attribute on img elements, area elements, and input elements of type image	Checks that img element has alt attribute; Checks that area element has alt attribute; Checks that input element with image type has alt attribute;	Html
1.1.1	H2	Combining adjacent image and text links for the same resource	Checks that an img with adjacent text link have not a link to the same resource	Html
1.1.1	H24	Providing text alternatives for the area elements of image maps" category	Providing text alternatives for the area elements of image maps" category	Html
1.1.1	H30	Providing link text that describes the purpose of a link for anchor elements	Checks that links have a proper text alternative Checks that an image link has a not empty and proper alt attribute	Html
1.1.1	H35	Providing text alternatives on applet elements	Checks that applet element has a not empty and proper alt attribute	Html
1.1.1	H36	Using alt attributes on images used as submit buttons" category	Checks that an image button has an accessible name trough alt attribute	Html
1.1.1	H37	Using alt attributes on img elements	Checks that the img element has a not empty and proper alt attribute Checks that input type="image" has a not empty and proper alt attribute	Html
1.1.1	H44	Using label elements to associate text labels with form controls." category	text/file/password/checkbox/radio and the for attribute of a preceding label have the same value	Html
1.1.1	H45	Using longdesc	Checks that an img with longdesc has an url as value of the longdesc attribute	Html
1.1.1	H46	Using noembed with embed	Checks that an embed is followed by or contains a noembed element	Html
1.1.1	H53	Using the body of the object element" category	Checks that all child elements of an object tag have a not empty and proper alt attribute	Html
1.1.1	H65	Using the title attribute to identify form controls when the label element cannot be used	Checks that the select element is preceded by a label when it has no title attribute Checks that the input element is preceded or followed by a label when it has no title attribute or when it is not hidden. Checks that the textarea element is preceded by a label when it has no title attribute. Checks that the button element is preceded by a label when it has no title attribute	Html
1.1.1	H67	Using null alt text and no title attribute on img elements for images that AT should ignore	Checkt that in img that AT should ignore the title attribute is either absent or empty and the alt attribute is present and empty	Html
1.2.1	F30	Failure of Success Criterion 1.1.1 and 1.2.1 due to using text alternatives that are not alternatives	It sends a warning if the alt and src attributes have the same values. A manual check is needed to see if the text alternative is actually an alternative to the related content	Html
1.2.1	G158	Providing an alternative for time-based media for audio- only content	It checks that audio has controls and a internal or external transcript	Html
1.2.1	G159	Providing an alternative for time-based media for video- only content	Checks that video only elements have a transcript for the conveyed information	Html
1.2.1	G166	Providing audio that describes the important video content and describing it as such	Checks that a video is preceded or followed by an audio element	html
1.2.1	H96	Using the track element to provide audio descriptions	Checks that video only elements have a track with captions	Html
1.2.2	H95	Using the track element to provide captions	Checks that the video with audio has a track element with captions	Html
1.2.3	H53	Using the body of the object element	Checks that a child of an object element has a not empty and proper alt attribute	Html
1.2.3	H96	Using the track element to provide audio descriptions	Checks that video only elements have a track with captions	Html
1.2.8	G159	Providing an alternative for time-based media for video- only content" category	Checks that video only elements have a transcript for the conveyed information	html
1.2.8	H46	Using noembed with embed	Checks that an embed is followed by or contains a noembed element	Html
1.2.8	H53	Using the body of the object element	Checks that a child of an object element has a not empty and proper alt attribute	Html
1.3.1	ARIA11	Using ARIA landmarks to identify regions of a page	It checks that the page contains an header It checks that the page contains a div with banner role It checks that the page contains a footer It checks that the page contains an div with role="contentinfo" instead of a footer It checks that the page contains a nav element It checks that the page contains an div with role="navigation" instead of a nav It checks that the page contains an aside element It checks that the page contains a div role="aside" instead of an aside It checks that the page contains a main element It checks that the page contains a div role="main" instead of a main It checks that the page contains a form It checks that the page contains a div role="form" instead of a form It checks that the page contains a div with a role indicating a region	html
1.3.1	F46	Failure of Success Criterion 1.3.1 due to using th elements, caption elements, or non-empty summary attributes in layout tables	Checks that a table element contains th elements, or a caption, or an empty summary attribute	html
1.3.1	G140	Separating information and structure from presentation to enable different presentations	Checks that the page does not contain tags for presentation settings Checks that i elements are icons	Html Html
1.3.1	G162	Positioning labels to maximize predictability of relationships	For each form field on the Web page: 1. Check that the form field has a visible label. 2. If the form field is a checkbox or radio button, check that the label is immediately after the field. 3. If the form field is not a checkbox or radio button, check that the label is immediately before the field.	html

1.3.1	H39	Using caption elements to associate data table captions with data tables	Checks that a table with summary attribute is followed by a caption element with not corresponding value	Html
1.3.1	H42	Using h1-h6 to identify headings	Checks the correct indentation of headings, from h1 to h6	Html
1.3.1	H44	Using label elements to associate text labels with form controls." category	Checks that a textarea's id and the attribute for of the preceding label have the same value Checks that a select's id and the attribute for of the preceding label have the same value Checks that an input - of type text/file/password/checkbox/radio - id and the attribute for of the preceding label have the same value	Html
1.3.1	H63	Using the scope attribute to associate header cells and data cells in data tables	Checks that th elements have a scope attribute indicating to what rows and/or columns they are associated to	Html
1.3.1	H65	Using the title attribute to identify form controls when the label element cannot be used	Checks that the select element has a title or an associated label element Checks that the visible input element has a title or an associated label element Checks that the textarea element has a title or an associated label element Checks that the button element has a title or an associated label element	Html
1.3.1	H71	Providing a description for groups of form controls using fieldset and legend elements	Checks that input of type radio/checkbox is child of a fieldset element Checks that a fieldset is followed by a legend element	Html
1.3.1	H73	Using the summary attribute of the table element to give an overview of data tables	Using the summary attribute of the table element to give an overview of data tables	
1.3.4	F97	Using CSS to set the orientation to allow both landscape and portrait	It checks that exist a media rule for specifying landscape orientation It checks that exist a media rule for specifying portrait orientation It checks that the orientation is not locked by using the transform property	css
1.3.5	H98	Identify the purpose of inputs using the autocomplete value	It checks that input elements have the autocomplete attribute with appropriate values based on the value of the input type It checks that select elements have the autocomplete attribute with appropriate values based on the value of the input type It checks that textarea elements have the autocomplete attribute with appropriate values based on the value of the input type	Html
1.3.6	Aria11	Using ARIA landmarks to identify regions of a page	It checks that the page contains an header It checks that the page contains a div with banner role It checks that the page contains a footer It checks that the page contains an div with role="contentinfo" instead of a footer It checks that the page contains a nav element It checks that the page contains an div with role="navigation" instead of a nav It checks that the page contains an aside element It checks that the page contains a div role="aside" instead of an aside It checks that the page contains a main element It checks that the page contains a div role="main" instead of a main It checks that the page contains a form It checks that the page contains a div role="form" instead of a form It checks that the page contains a div with a role indicating a region	html
1.4.1	F73	Failure of Success Criterion 1.4.1 due to creating links that are not visually evident without color vision	Checks that link element is visually evident without color vision	HTML
1.4.10	C33	Allowing for Reflow with Long URLs and Strings of Text	Allowing for reflow with long URLs and string of texts	Html
1.4.10	C38	Using CSS width, max-width and flexbox to fit labels and inputs	It chekcs that CSS width, max-width and flexbox are used to fit forms	Html
1.4.10	SCR34	Calculating size and position in a way that scales with text size	Calculating size in a way that scales with text size - Calculating position in a way that scales with text size	css
1.4.11	F78	Failure due to styling element outlines and borders in a way that removes or renders non-visible the visual focus indicator	It checks that link have not a non-visible focus indicator It checks that input have not a non-visible focus indicator It checks that buttons have not a non-visible focus indicator	Html
1.4.11	G145	Ensuring that a contrast ratio of at least 3:1 exists between text (and images of text) and background behind the text	It checks that i elements with class="material- icons" o "glyphicon" o "fa" have a contrast ratio of at least 3:1 between text and background	Html
1.4.11	G18	Ensuring that a contrast ratio of at least 4.5:1 exists between text (and images of text) and background behind the text	It checks that i elements with class="material- icons" o "glyphicon" o "fa" have a contrast ratio of at least 4.5:1 between text and background	Html
1.4.11	G195	Using an author-supplied, highly visible focus indicator	It checks that links on focus have a contrast ratio of at least 3:1 between border and background color It checks that buttons on focus have a contrast ratio of at least 3:1 between border and background color. It checks that input with type="text" on focus have a contrast ratio of at least 3:1 between border and background color	html
1.4.12	C21	Specifying line spacing in CSS	It checks that spacing between 1.5 to 2 is provided between lines of text	Css
1.4.12	C28	Specifying the size of text containers using em units	It checks that the page uses Bootstrap It checks that the size of divs is specified using em units It checks that the size of aside elements is specified using em units It checks that the size of article elements is specified using em units It checks that the size of main tags is specified using em units It checks that the size of nav tags is specified using em units It checks that the size of section tags is specified using em units It checks that the size of table tags is specified using em units It checks that the size of footer tags is specified using em units It checks that the size of header tags is specified using em units It checks that the size of form tags is specified using em units	html
1.4.12	C36	Allowing for text spacing override	It checks that list elements of nav have width and height set using em units	html

1.4.12	C8	Using CSS letter-spacing to control spacing within a word	It checks if empty spaces or pre tags are used to manage space between words in div elements It checks if empty spaces or pre tags are used to manage space between words in aside elements t checks if empty spaces or pre tags are used to manage space between words in article elements It checks if empty spaces or pre tags are used to manage space between words in main elements It checks if empty spaces or pre tags are used to manage space between words in nav elements It checks if empty spaces or pre tags are used to manage space between words in section elements It checks if empty spaces or pre tags are used to manage space between words in table elements It checks if empty spaces or pre tags are used to manage space between words in footer elements It checks if empty spaces or pre tags are used to manage space between words in header elements It checks if empty spaces or pre tags are used to manage space between words in form elements	Html
1.4.13	1.4.13-ST1	ARIA: Using role=tooltip	It checks that tooltips have a corresponding role attribute	Html
1.4.13	1.4.13-ST2	CSS: Using hover and focus pseudo classes	It checks that button elements have hover and focus pseudoclasses	Html
1.4.2	F93	Failure of Success Criterion 1.4.2 for absence of a way to pause or stop an HTML5 media element that autoplays	Checks that audio element with autoplay attribute has the muted or paused attribute Checks that video element with autoplay attribute has the muted or paused attribute	html
1.4.3	G145	Ensuring that a contrast ratio of at least 3:1 exists between text (and images of text) and background behind the text	It checks that i elements with class="material- icons" o "glyphicon" o "fa" have a constrast ratio of at least 3:1 between text and background	Html
1.4.3	G18	Ensuring that a contrast ratio of at least 4.5:1 exists between text (and images of text) and background behind the text	It checks that the contrast ratio between text and background is at least of 4.5:1	Html
1.4.4	C12,c13,c14	Using percent, em units or named font sizes	It checks that the font-size property is expressed in percent, em units or named font sizes	Css
1.4.4	C20	Using relative measurements to set column widths so that lines can average 80 characters or less when the browser is resized	It checks that columns have width expressed in percent or em units	Html
1.4.4	C28	Specifying the size of text containers using em units	It checks that the page uses Bootstrap It checks that the size of divs is specified using em units It checks that the size of aside elements is specified using em units It checks that the size of article elements is specified using em units It checks that the size of main tags is specified using em units It checks that the size of nav tags is specified using em units It checks that the size of section tags is specified using em units It checks that the size of table tags is specified using em units It checks that the size of footer tags is specified using em units It checks that the size of header tags is specified using em units It checks that the size of form tags is specified using em units	html
1.4.4	SCR34	Calculating size and position in a way that scales with text size	Calculating size in a way that scales with text size - Calculating position in a way that scales with text size	css
1.4.5	C12,c13,c14	Using percent, em units or named font sizes	It checks that the font-size property is expressed in percent, em units or named font sizes	Css
1.4.5	G140	Separating information and structure from presentation to enable different presentations	Checks that the page does not contain tags for presentation settings Checks that i elements are icons (i.e. not used for formatting text in italic	html
1.4.6	G17	Ensuring that a contrast ratio of at least 7:1 exists between text (and images of text) and background behind the text	It checks that the contrast ratio between text and background is at least of 7:1	Html
1.4.6	G18	Ensuring that a contrast ratio of at least 4.5:1 exists between text (and images of text) and background behind the text	It checks that the contrast ratio between text and background is at least of 4.5:1	html
1.4.8	C12,c13,c14	Using percent, em units or named font sizes	It checks that the font-size property is expressed in percent, em units or named font sizes	Css
1.4.8	C19	Specifying alignment either to the left OR right in CSS	ND	Css
1.4.8	C20	Using relative measurements to set column widths so that lines can average 80 characters or less when the browser is resized	It checks that columns have width expressed in percent or em units	html
1.4.8	C21	Specifying line spacing in CSS	It checks that line spacing is between 1.5 to 2	Css
1.4.8	F88	Failure of Success Criterion 1.4.8 due to using text that is justified (aligned to both the left and the right margins)	1. Open the page in a common browser. 2. Verify that content is not justified (aligned to both the left and the right margins).	Css
1.4.8	SCR34	Calculating size and position in a way that scales with text size	Calculating size in a way that scales with text size - Calculating position in a way that scales with text size	css
1.4.9	C12,c13,c14	Using percent, em units or named font sizes	It checks that the font-size property is expressed in percent, em units or named font sizes	Css
1.4.9	G140	Separating information and structure from presentation to enable different presentations	Checks that the page does not contain tags for presentation settings Checks that i elements are icons (i.e. not used for formatting text in italic	html
2.1.2	F10	Failure of Success Criterion 2.1.2 and Conformance Requirement 5 due to combining multiple content formats in a way that traps users inside one format type	It checks that button elements that are followed by other buttons or links use onblur to set timeout managing foucs	

2.1.4	G217	Users should have a way to turn off single-key shortcuts and a mechanism should be provided to allow users to change character-key shortcuts	It reports a warning if the input element has an empty accesskey attribute It reports a warning if the a element of a nav has an empty accesskey attribute It reports a warning if the li element has an empty accesskey attribute	Html
2.2.1	F41	Failure of Success Criterion 2.2.1, 2.2.4, and 3.2.5 due to using meta refresh with a time-out.	Checks that the first meta http-equiv of refresh is not used with a timeout	Html
2.2.2	F47	Failure of Success Criterion 2.2.2 due to using the blink element	It checks that the blink element is not used	Html
2.2.4	F41	Failure of Success Criterion 2.2.1, 2.2.4, and 3.2.5 due to using meta refresh with a time-out.	Checks that the first meta http-equiv of refresh is not used with a timeout	Html
2.2.6	2.2.6-ST	If a timeout is used, let the users know what duration of inactivity will cause the page to time out and result in lost data	It sends a warning if the meta tag attribute http-request is not equal to refresh	Html
2.3.3	C39	Using the CSS reduce-motion query to prevent motion	Check if it is present the media query 'prefers- reduced motion' with the property 'animation' set to none in order to prevent animation Check if it is present the media query 'prefers- reduced motion' with the property 'animation' set to none in order to prevent animation and set the duration	Html
2.4.1	ARIA11	Using ARIA landmarks to identify regions of a page	It checks that the page contains an header It checks that the page contains a div with banner role It checks that the page contains a footer It checks that the page contains an div with role="contentinfo" instead of a footer It checks that the page contains a nav element It checks that the page contains an div with role="navigation" instead of a nav It checks that the page contains an aside element It checks that the page contains a div role="aside" instead of an aside It checks that the page contains a main element It checks that the page contains a div role="main" instead of a main It checks that the page contains a form It checks that the page contains a div role="form" instead of a form It checks that the page contains a div with a role indicating a region	html
2.4.1	H64	Using the title attribute of the frame and iframe elements	It checks that frame have a not empty and appropriate title attribute It checks that iframe have a not empty and appropriate title attribute	Html
2.4.2	F25	This describes a failure condition when the Web page has a title, but the title does not identify the contents or purpose of the Web page.	Checks that the HTML title describes the topic or purpose of the page	Html
2.4.2	G88	Providing descriptive titles for Web pages	1. Check that the Web page has a title 2. Check that the title is relevant to the content of the Web page. 3. Check that the Web page can be identified using the title.	html
2.4.2	H25	Providing a title using the title element	Checks that the HTML page has a tile	Html
2.4.4	ARIA7	Using aria-labelledby for link purpose	Checks that a link has the aria-labelledby attribute associated to the id of the associated label element Checks that a div tag has the aria-labelledby attribute associated to the id of the associated label element	Html
2.4.4	F89	Failure of Success Criteria 2.4.4, 2.4.9 and 4.1.2 due to not providing an accessible name for an image which is the only content in a link	Checks that the image content of a link cannot be identified with an accessible name	Html
2.4.4	H2	Combining adjacent image and text links for the same resource	It checks that image links have not duplicate text alternative	Html
2.4.4	H24	Providing text alternatives for the area elements of image maps	It checks that area elements have a not empty and appropriate alt attribute	Html
2.4.4	H30	Providing link text that describes the purpose of a link for anchor elements	It checks that links have an appropriate text alternative It checks that img links have an appropriate text alternative	Html
2.4.4	H33	Supplementing link text with the title attribute	It checks that anchor elements have a not empty and appropriate title attribute	Html
2.4.7	F78	Failure due to styling element outlines and borders in a way that removes or renders non-visible the visual focus indicator	It checks that link have not a non-visible focus indicator It checks that input have not a non-visible focus indicator It checks that buttons have not a non-visible focus indicator	Html
2.4.7	G195	Using an author-supplied, highly visible focus indicator	It checks that links on focus have a contrast ratio of at least 3:1 between border and background color It checks that buttons on focus have a contrast ratio of at least 3:1 between border and background color. It checks that input with type="text" on focus have a contrast ratio of at least 3:1 between border and background color	html
2.4.9	F84	Failure of Success Criterion 2.4.9 due to using a non- specific link such as 'click here' or 'more' without a mechanism to change the link text to specific text.	Checks that the link has a specific text	Html
2.4.9	F89	Failure of Success Criteria 2.4.4, 2.4.9 and 4.1.2 due to not providing an accessible name for an image which is the only content in a link	Checks that the image content of a link cannot be identified with an accessible name	Html
2.4.9	H2	Combining adjacent image and text links for the same resource	It checks that image links have not duplicate text alternative	Html
2.4.9	H24	Providing text alternatives for the area elements of image maps	It checks that area elements have a not empty and appropriate alt attribute	Html
2.4.9	H30	Providing link text that describes the purpose of a link for anchor elements	It checks that links have an appropriate text alternative It checks that image links have an appropriate text alternative	Html
2.4.9	H33	Supplementing link text with the title attribute	It checks that anchor elements have a not empty and appropriate title attribute	Html
2.5.1	G215	Providing controls to achieve the same result as path based or multipoint gestures	It sends a warning if the page contains the link to Hammer.js library	Html

2.5.2	F101	Failure of Success Criterion 2.5.2 due to activating a control on the down-event	It sends a warning if an element contains a down event	Html
2.5.3	F96	If on the page are present the tags aria-label or aria- labelledby, check that their content matches the visible name.	It sends a warning if aria-label or aria- labelledby of button elements are not empty It sends a warning if aria-label or aria- labelledby of divs with button role are not empty	Html
2.5.6	F98	Failure due to interactions being limited to touch-only on touchscreen devices	It sends a warning if the media pointer rule is used to detect a pointing device It sends a warning if the media pointer rule is used to detect if the primary input mechanism allow the user to hover over elements It sends a warning if the media pointer rule is used to detect a pointing device It sends a warning if the media pointer rule is used to detect if the primary input mechanism allow the user to hover over elements	Css
3.1.1	H57	Using language attributes on the html element	Checks that the html element has a lang or xml:lang attribute with a valid value	Html
3.1.2	H58	Using language attributes to identify changes in the human language	Checks that an element inside body has a valid xml:lang attribute, if specified Checks that an element inside body has a valid lang attribute, if specified	Html
3.1.3	H40	Using description lists	It checks that description lists are used for unusual terms	Html
3.1.4	H28	Providing definitions for abbreviations by using the abbr and acronym elements	It checks that acronym elements give the expanded form for the abbreviation It checks that abbr elements give the expanded form for the abbreviation	Html
3.2.2	H32	Providing submit buttons	It checks that the form element has a submit button	Html
3.2.5	F41	Failure of Success Criterion 2.2.1, 2.2.4, and 3.2.5 due to using meta refresh with a time-out	Checks that the first meta http-equiv of refresh is not used with a timeout	Html
3.2.5	H76	Using meta refresh to create an instant client-side redirect.	It checks that the meta refresh is used	Html
3.3.2	G162	Positioning labels to maximize predictability of relationships	For each form field on the Web page: 1. Check that the form field has a visible label. 2. If the form field is a checkbox or radio button, check that the label is immediately after the field. 3. If the form field is not a checkbox or radio button, check that the label is immediately before the field.	html
3.3.2	H44	Using label elements to associate text labels with form controls.	Checks that a textarea's id and the attribute for of the preceding label have the same value Checks that a select's id and the attribute for of the preceding label have the same value Checks that an input - of type text/file/password/checkbox/radio - id and the attribute for of the preceding label have the same value	Html
3.3.2	H71	Providing a description for groups of form controls using fieldset and legend elements	Checks that input of type radio/checkbox is child of a fieldset element It checks that the fieldset is followed by a legend	Html
4.1.1	F77	Failure of Success Criterion 4.1.1 due to duplicate values of type ID	1. Check that all values of type ID are unique in the Web page	Html
4.1.1	H65	Using the title attribute to identify form controls when the label element cannot be used	Checks that the select element has a title or an associated label element Checks that the visible input element has a title or an associated label element Checks that the textarea element has a title or an associated label element Checks that the button element has a title or an associated label element	Html
4.1.1	H93	Ensuring that id attributes are unique on a webpage	Checks that id attributes are unique on a webpage	Html
4.1.1	H94	Ensuring that elements do not contain duplicate attributes	Checks that tags have not duplicate attributes	Html
4.1.2	ARIA16	Using aria-labelledby to provide a name for user interface controls	Checks that the div with nav role has an accessible name Checks that the div with nav role has an accessible name Checks that the div with search role has an accessible name Checks that the div with role=main has an accessible name Checks that the div with role=img has an accessible name Checks that the image button has an accessible name Checks that the an input with button role has an accessible name Checks that the an input with button role has an accessible name Checks that the a span with button role has an accessible name Checks that the a span with link role has an accessible name Checks that the a span with img role has an accessible name	Html
4.1.2	ARIA5	Using WAI-ARIA state and property attributes to expose the state of a user interface component	ND	
4.1.2	ARIA7	Using aria-labelledby for link purpose	ND	HTML
4.1.2	F89	Failure of Success Criteria 2.4.4, 2.4.9 and 4.1.2 due to not providing an accessible name for an image which is the only content in a link	Checks that the image content of a link cannot be identified with an accessible name	Html
4.1.2	H44	Using label elements to associate text labels with form controls.	Checks that a textarea's id and the attribute for of the preceding label have the same value Checks that a select's id and the attribute for of the preceding label have the same value Checks that an input - of type text/file/password/checkbox/radio - id and the attribute for of the preceding label have the same value	Html
4.1.2	H64	Using the title attribute of the frame and iframe elements	It checks that frame have a not empty and appropriate title attribute It checks that iframe have a not empty and appropriate title attribute	Html
4.1.2	H65	Using the title attribute to identify form controls when the label element cannot be used	Checks that the select element has a title or an associated label element Checks that the visible input element has a title or an associated label element Checks that the textarea element has a title or an associated label element Checks that the button element has a title or an associated label element	Html

4.1.3	ARIA19	Use role=alert or aria- live=assertive attribute in order to inject the error message inside these containers and notify the Assistive Technologies	It sends a warning if there is not a paragraph with role=alert as child of a form	Html
4.1.3	G199	Use role=status attribute in order to notify the Assistive Technologies that the submission was successful	ND	Html