CAA2 instructions

This CAA consists of two parts. In the first part, about the course theory, you need to respond in a text document to the two questions provided below. The second part is practical, and in it, you need to create a small website composed of two pages.

First Part

**Question 1**. Explain the concepts of importance, specificity, and order in the context of the CSS cascade. Then, calculate the specificity of the selectors in the following list (do not just show the final value, indicate how it is obtained step by step), and order them from highest to lowest specificity:

* p a.ref
* #main a:focus
* aside .menu li:last-child
* section h2 + i
* #news > img[src|="logo"]

En el contexto de la cascada de CSS, los conceptos de importancia, especificidad y orden son fundamentales para comprender cómo se aplican los estilos a los elementos:

Importancia: La regla !important se utiliza para darle más peso a una declaración de estilo que lo normal. Las reglas marcadas como !important tienen prioridad sobre otras reglas, independientemente de su especificidad u orden.

Especificidad: La especificidad es una medida de cuán específico es un selector al dirigirse a un elemento. A menudo se representa como un valor de cuatro partes: a, b, c, d. Cuanto mayor sea el número, mayor será la especificidad. El valor se calcula según la cantidad de selectores de ID, selectores de clase y selectores de elemento en el selector.

Orden: Si dos reglas tienen la misma especificidad, la que aparece más tarde en la hoja de estilos o se define más adelante en el documento tiene prioridad. Esto es importante cuando hay reglas conflictivas con la misma especificidad.

**Question 2**. Create a table that summarizes the different types of disabilities that can be found among our web users, and the tools and techniques that can be used to access web content in each of these cases.



Second Part

You will create a small website consisting of 2 pages that are linked together through a navigation menu.

The website will consist of 2 HTML files (index.html and news.html), a single CSS file (style.css) inside a folder named css, and a folder (images) containing the necessary image files.

Files for this part:

* [images.zip HYPERLINK "https://aula.uoc.edu/courses/21575/files/1062056/download?download\_frd=1"Download HYPERLINK "https://aula.uoc.edu/courses/21575/files/1062056/download?download\_frd=1" images.zip](https://aula.uoc.edu/courses/21575/files/1062056?wrap=1)
* [screenshots.zip HYPERLINK "https://aula.uoc.edu/courses/21575/files/1061766/download?download\_frd=1"Download HYPERLINK "https://aula.uoc.edu/courses/21575/files/1061766/download?download\_frd=1" screenshots.zip](https://aula.uoc.edu/courses/21575/files/1061766?wrap=1)
* [texts.rtf HYPERLINK "https://aula.uoc.edu/courses/21575/files/1061763/download?download\_frd=1"Download HYPERLINK "https://aula.uoc.edu/courses/21575/files/1061763/download?download\_frd=1" texts.rtf](https://aula.uoc.edu/courses/21575/files/1061763?wrap=1)

General Conditions

* Each page of the site must have a unique title that adequately describes its content.
* Font size and colours: you need to make colour and text size changes for each part of the document, following the proportions of the model. The colours used are:
* #EBEBFF for the background colour of the page.
* #666 for the links in the vertical navigation menu.
* #94BDD6 for:
* the borders that separate the side menu and the headers;
* the background of the links in the vertical navigation menu when hovering over them;
* the footer background;
* the headers of the "Press Releases" section and the border and quotes of the same section;
* the background of the headers of the News page cards.
* #EBF7FF for the lighter background of the "Press Releases" section elements.
* The last two colours are used in the gradient of the headers on each of the pages.

**You must check if the colour combinations are accessible according to the WCAG 2.0 AA guidelines**([https://www.w3.org/TR/WCAG20/#guidelines HYPERLINK "https://www.w3.org/TR/WCAG20/"Links to an external site.](https://www.w3.org/TR/WCAG20/)).

If they are not accessible, they must be modified to make them accessible. You need to include in a section of the explanatory document to be delivered what the detected errors are and indicate the modifications made to correct them.

* Regarding typography, two Google Fonts are used: *Arvo* for general text and *Varela Round* for the main heading.
* To create the documents, you must use the best marking techniques explained in the course's teaching material.
* Appropriate elements should be used for text, lists, links, images, containers (generic and/or structural), as well as the various types of CSS selectors that apply, and classes and IDs should be applied in the most semantic way possible.
* The doctype to be used is HTML5.

**General Appearance**

The central container of the website will have a width of 1200px and should be centered on the browser screen.

**Site Navigation**

As seen in the model images attached ([screenshots.zip HYPERLINK "https://aula.uoc.edu/courses/21575/files/1061766/download?download\_frd=1"  HYPERLINK "https://aula.uoc.edu/courses/21575/files/1061766/download?download\_frd=1"Download screenshots.zip](https://aula.uoc.edu/courses/21575/files/1061766?wrap=1)), both pages must have a navigation menu. It should be constructed using an unordered list, conveniently modified with CSS so that the menu elements appear as in the image. Additionally, when hovering over any of the menu elements (hover state), their appearance will change as shown in the following screenshot.

**Validation and Accessibility of the Pages**

All pages submitted, along with the associated style sheet, must validate correctly.

All submitted exercises must meet the WCAG 2.0 AA guidelines ([Links to an external HYPERLINK "http://www.sidar.org/traducciones/wcag20/es/"site. HYPERLINK "https://www.w3.org/TR/WCAG20/"https HYPERLINK "https://www.w3.org/TR/WCAG20/"://www.w3.org/TR/WCAG20/#guidelines HYPERLINK "https://www.w3.org/TR/WCAG20/"Links to an external site.](http://www.sidar.org/traducciones/wcag20/es/)). In particular, within the objectives of this CAA, this includes (but is not limited to):

* Providing alternatives for non-text content.
* Not using colour exclusively to convey information.
* Ensuring minimum colour contrast.
* Providing "skip navigation" links and equivalents where there are repeated content blocks across pages.
* Using titles, headers, and link text appropriately in accordance with the best practices specified in the learning resources.
* Specifying the language of the content on each page and fragments of content in other languages that may appear on the page.
* If there are forms and/or tables, they must adhere to the best practices specified in the learning resources.
* Pages must be valid.

**Explanation of HTML and CSS Entities Used**

In the text document where you have responded to the theoretical part of this PEC, you must add a section explaining the HTML and CSS entities used, as well as any accessibility errors related to the colours used in the original:

* Regarding HTML entities: you must explain **why the various tags have been used.**
* Regarding CSS: you must explain the CSS used, but especially **why and for what purpose the declared selectors and properties are applied.**
* Regarding accessibility errors: **screenshots of the errors obtained must be attached, and the modifications made to correct them must be indicated.**

Intellectual Property and Plagiarism

It is often inevitable when producing multimedia work to use resources created by third parties. Therefore, it is understandable to do so in the context of an exercise, as long as this is clearly documented and does not constitute plagiarism in practice.

When submitting an exercise that uses external resources, it must be accompanied by a document detailing all of them, specifying the name of each resource, its author, where it was obtained, and its legal status: whether the work is protected by copyright or falls under some other usage licence (Creative Commons, GNU licence, GPL, etc.). The student must ensure that the licence does not specifically prohibit its use within the scope of the exercise. If the corresponding information cannot be found, it should be assumed that the work is protected by copyright.

Original files should also be attached when digital works are used, and their source code if applicable.

Plagiarism

Unless specified differently in the assignment, all assignments should be carried out individually. In the event of detecting plagiarized activities, all of them will be graded with a D.

Evaluation Criteria

* First part: 20%
* First question: 10%
* Second question: 10%
* Second part: 80%
* HTML: 30%
* CSS: 30%
* Explanation of HTML and CSS entities used: 10%
* HTML and CSS validation: 10%