

Evaluation Tools & Accessibility Levels

- Improving Accessibility -

La primera práctica se centró en introducirnos en el mundo de la Accesibilidad web. Vimos quién es la [Web Accessibility Initiative \(WAI\)](#), cómo se encarga de fomentar la accesibilidad y qué son las [Web Content Accessibility Guidelines \(WCAG\)](#), que todo desarrollador web debería conocer y seguir.

También vimos una primera aproximación para evaluar de forma rápida y sencilla si una web es accesible con los [Easy Checks](#), para continuar utilizando las [Evaluation Tools](#) para poder hacer una auditoría más exhaustiva.

El resultado de esta auditoría de accesibilidad se concreta en un informe de evaluación de accesibilidad, como el que nos propone la propia WAI, con el [WCAG-EM Report Tool](#).

En esta práctica nos vamos a centrar en implementar mejoras en una web para que cumpla con los distintos niveles de conformidad de la especificación (A, AA o AAA). Para ello utilizaremos una herramienta de evaluación que es una extensión del navegador ([Siteimprove Accessibility Checker](#)), y nos da información detallada e integrada con el código de la página web de los criterios de conformidad que no se cumplen, así como enlaces a la especificación y a las guías donde se explica [cómo deberían solucionarse](#).

PARTE 1 - Preparación del proyecto

Vamos a utilizar la misma página web que en la práctica 1, pero la copiaremos en otro directorio. La idea es tener la siguiente estructura:

```
UF3/  
  Proyecto/  
    Proyecto_AAA/
```

De este modo tendremos la web original y la mejorada accesibles a través de la GitHub Page (que deberíais tener ya configurada) para poder compararlas.

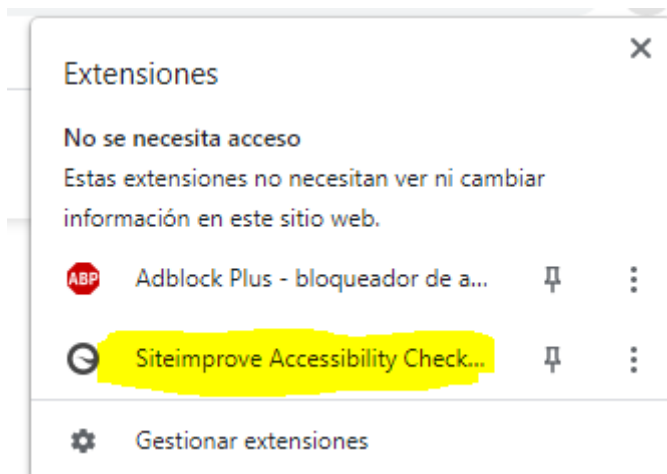
1. Haz una copia en el repositorio de GitHub de la carpeta UF3/Proyecto en la carpeta UF3/Proyecto_AAA. Copia aquí la URL de tu repositorio (debe ser el mismo que has utilizado en las otras UFs).

URL del repositorio: <https://djaner22.github.io/DAW2-M9/>















GitHub Page URL del Proyecto_AAA: https://djaner22.github.io/DAW2-M9/UF3/Proyecto_AAA/index.html

PARTE 2 - Desarrollo de la práctica

1. Instala el [Siteimprove Accessibility Checker](#).



2. Haz las modificaciones necesarias en código fuente para que la web cumpla con el nivel A de conformidad con la especificación. Comenta cómo has resuelto cada no conformidad de este nivel.

Adaptable		
	Info and Relationships 1.3.1	25 occurrences 
Distinguishable		
	Use of Color 1.4.1	1 occurrence 
Navigable		
	Bypass Blocks 2.4.1	1 occurrence 
	Link Purpose (In Context) 2.4.4	3 occurrences 
Predictable		
	On Input 3.2.2	1 occurrence 
Input Assistance		
	Labels or Instructions 3.3.2	7 occurrences 
Compatible		
	Name, Role, Value 4.1.2	8 occurrences 

El primer error era un ALT que no estava definit

Text Alternatives		
	Non-text Content 1.1.1	1 occurrence 
	Image with no alt attribute	1 occurrence 

```
 == $0
```

Els colors no eren els apropiats

! Link identified only by color

A 1.4.1 Use of Color

It appears that color is the only distinguishing feature about links in blocks of text.

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Aquí faltava el href definir-lo

! Link text is too generic in its current context

A 2.4.4 Link Purpose (In Context)

The link text is generic text that does not identify the link purpose. The link does not seem to have any programmatically determined link context that can aid in identifying the purpose either.

Link texts should be written so they make sense out of context. Generic texts such as "Click here" and "More" give no indication as to the destination of the links.

Occurrences on this page

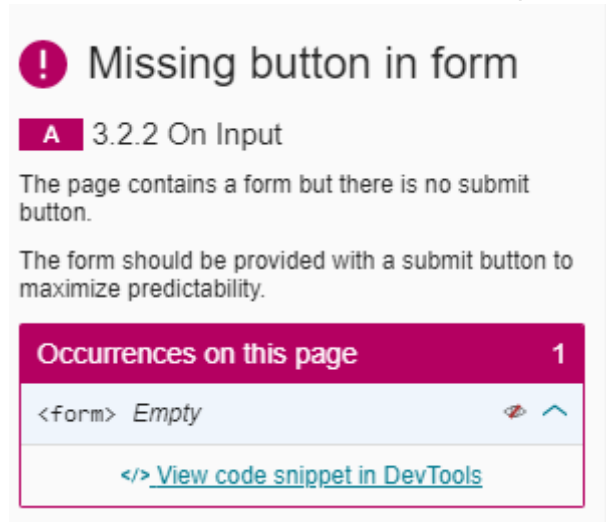
3

<a> read more

[View code snippet in DevTools](#)

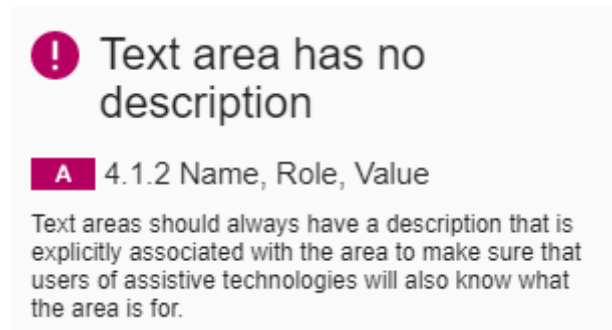
```
</div>
</div>
<button><a href="readmore.com">ReadMore</a></button>
<div class="rectangle"></div>
/div>
```

Canviem l'etiqueta del form del search per EM



```
</li>
<li class="nav-item search">
  <a class="nav-link"><em class="fas fa-search"></em></a>
</li>
```

Redefinim TextArea



```
<input type="email" placeholder="Email" name="email"
value="email" alt="email-form" aria-label="email">
<textarea placeholder="Message" title="Text Area"></
textarea>
<input type="submit" value="Submit">
</form>
```

- Haz las modificaciones necesarias en código para que la web cumpla con el nivel AA de conformidad con la especificación. Comenta cómo has resuelto cada no conformidad de este nivel.**

El nivell AA només tenia error de colors, per tant he posat colors on es puguin ben diferenciar

Color contrast is insufficient

AA 1.4.3 Contrast (Minimum)







The color of the text and the color of the background are not in sufficient contrast to each other.


The contrast ratio should be at least 4.5:1 for normal text and 3:1 for large text.


Note: Contrasts are not relevant where content is hidden. But make sure that for hidden content, which becomes visible when receiving focus, the contrast ratio is sufficient.

Insufficient contrast between text and its background can give problems for users with visual impairments and color blindness, but it can also affect a lot of other users, leading to important text potentially being overlooked.

Occurrences on this page 21







 4.44 / 4.5 read more 







Text color
 #ffffff / rgb(255,255,255)







Background color
 #2c73e8 / rgb(44,115,232)







Contrast ratio
4.44 out of a required 4.5







[View code snippet in DevTools](#)







 4.44 / 4.5 about us 







 3.93 / 4.5 The best to start 







 3.5 / 4.5 Fast service 







 3.5 / 4.5 Safe payments 

 3.5 / 4.5 Fully trained e... 

 3.5 / 4.5 Sustainable pro... 

 4.44 / 4.5 Get started 

 4.44 / 4.5 The best to start 

 3.5 / 4.5 Fast service 

OUR SERVICES

Typesetting industry lorem ipsum is simply dummy text of the

Fast service

Exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea

Secure payments

Exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea

Expert team

Exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea

Affordable services

Exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea

90 Days warranty

Exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea

Award winning

Exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea

DAW M9 UF3 P2



Page 8 / 12

OUR PRICING TABLE


Business The best to start	Professional The best to start	Business The best to start
\$ 180 /per month	\$ 210 /per month	\$ 410 /per month
Fast service	Fast service	Fast service
Safe payments	Safe payments	Safe payments

4. Haz las modificaciones necesarias en código para que la web cumpla con el nivel AAA de conformidad con la especificación. Comenta cómo has resuelto cada no conformidad de este nivel.

Del nivell 4 només tenia 3 errors que eren aquests

AAA	Contrast (Enhanced) 1.4.6	35 occurrences	✓
Navigable			
A	Bypass Blocks 2.4.1	1 occurrence	^
	No option to skip repeated content	1 occurrence	⚙️
A	Link Purpose (In Context) 2.4.4	3 occurrences	^
	Link text is too generic in its current context	3 occurrences	⚙️
AAA	Link Purpose (Link Only) 2.4.9	3 occurrences	✓
AAA	Section Headings 2.4.10	3 occurrences	✓

Igual que el nivell 2, ens comenta que els colors no son els millors per l'apartat d'inici

 **Color contrast is insufficient**

AAA 1.4.6 Contrast (Enhanced)



The color of the text and the color of the background are not in sufficient contrast to each other.


The contrast ratio should be at least 7:1 for normal text and 4.5:1 for large text.


Note: Contrasts are not relevant where content is hidden. But make sure that for hidden content, which becomes visible when receiving focus, the contrast ratio is sufficient.

Insufficient contrast between text and its background can give problems for users with visual impairments and color blindness, but it can also affect a lot of other users, leading to important text potentially being overlooked.

Occurrences on this page 35

 **4.44 / 4.5** Best cleaning ... 

Text color
 #ffffff / rgb(255,255,255)


Background color
 #2c73e8 / rgb(44,115,232)

Contrast ratio



BEST CLEANING COMPANY

L'últim error ens recomana que revisem el Link text del read more, per tant els canviem de color i mida i l'error desapareix

 **Link text is too generic**

AAA 2.4.9 Link Purpose (Link Only)

Link text is too generic

The link text appears to be generic text that does not identify the link purpose. The link does not seem to have any programmatically determined link context that can aid in identifying the purpose either.


Occurrences on this page	3
<a> read more	^
View code snippet in DevTools	
<a> read more	v
<a> read more	v

CONTACT NOW

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text.

ReadMore

5-Aquest error no le pogut arreglar, no se com fer-ho

 **Content not included in landmarks**

A 1.3.1 Info and Relationships

HTML5 or WAI-ARIA landmarks are used on the page, but not all content is included.

When using HTML5 or WAI-ARIA landmarks it is best practice to include all content on the page in landmarks. In this way users of assistive technologies can use the landmarks for navigating the page without losing track of content.

Make sure that all content on the page is included in HTML5 or WAI-ARIA landmarks.

Occurrences on this page 5

<div> about us our company Full cleaning...	⬆
</> Open DevTools to view code snippet	
<div> Our services Typesetting industry lo...	⬇
<div> What we do Lorem Ipsum is simply ...	⬇
<div> Our pricing table Business The best...	⬇
<div> Empty	⬇