

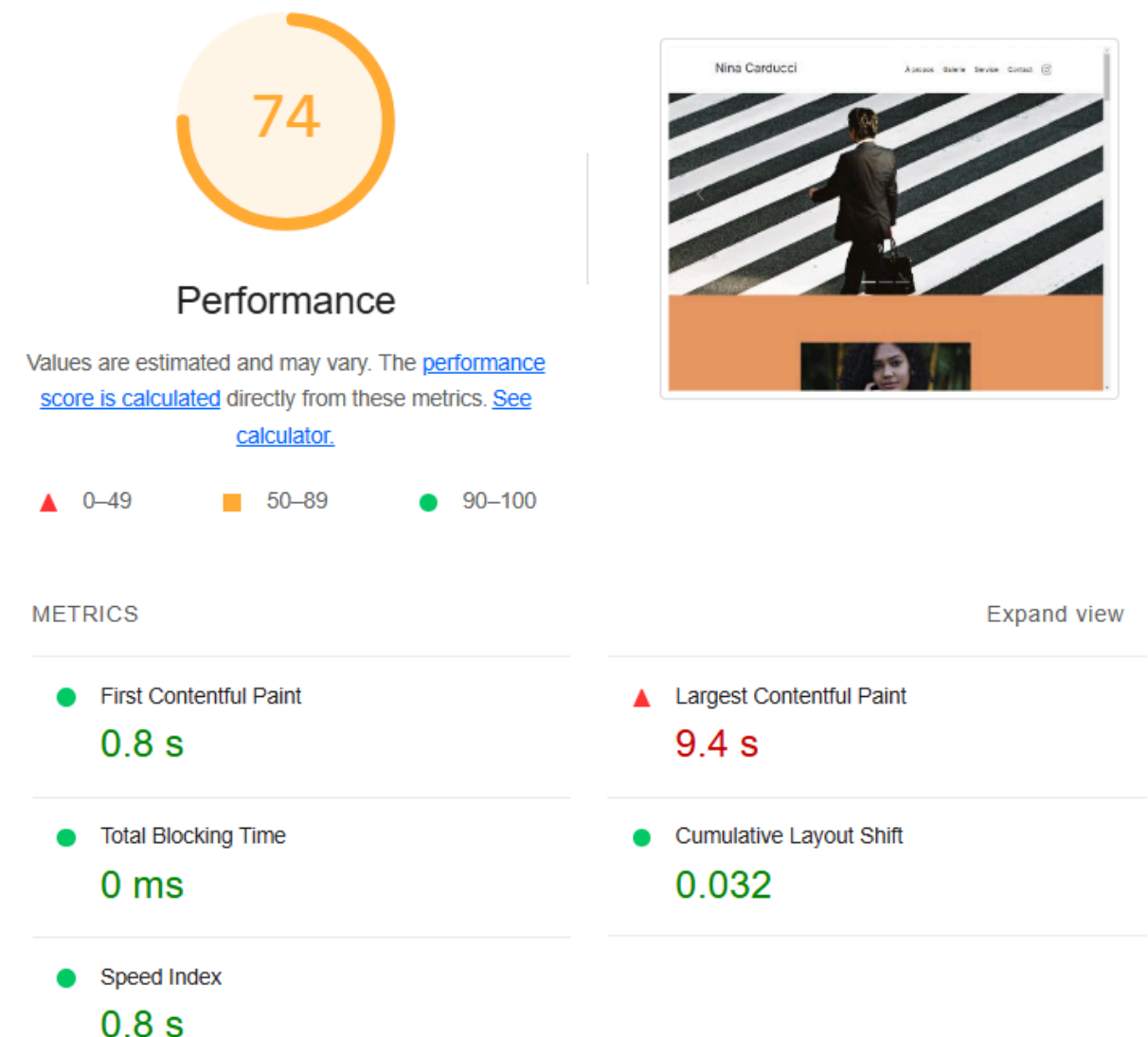
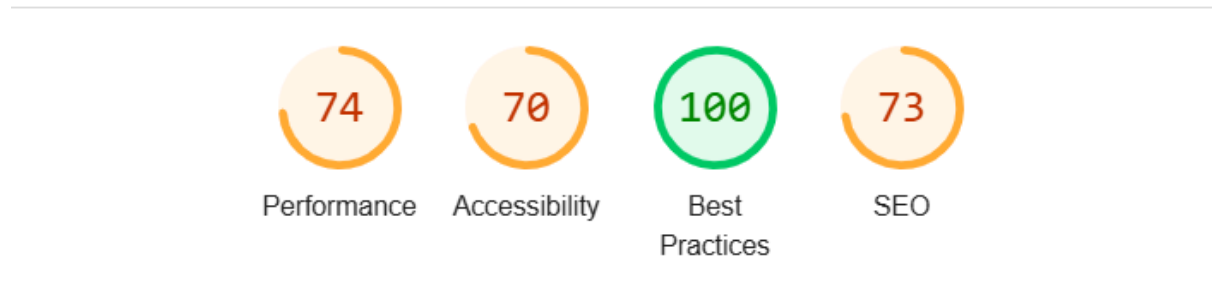
Rapport d'intervention

Nina Carducci

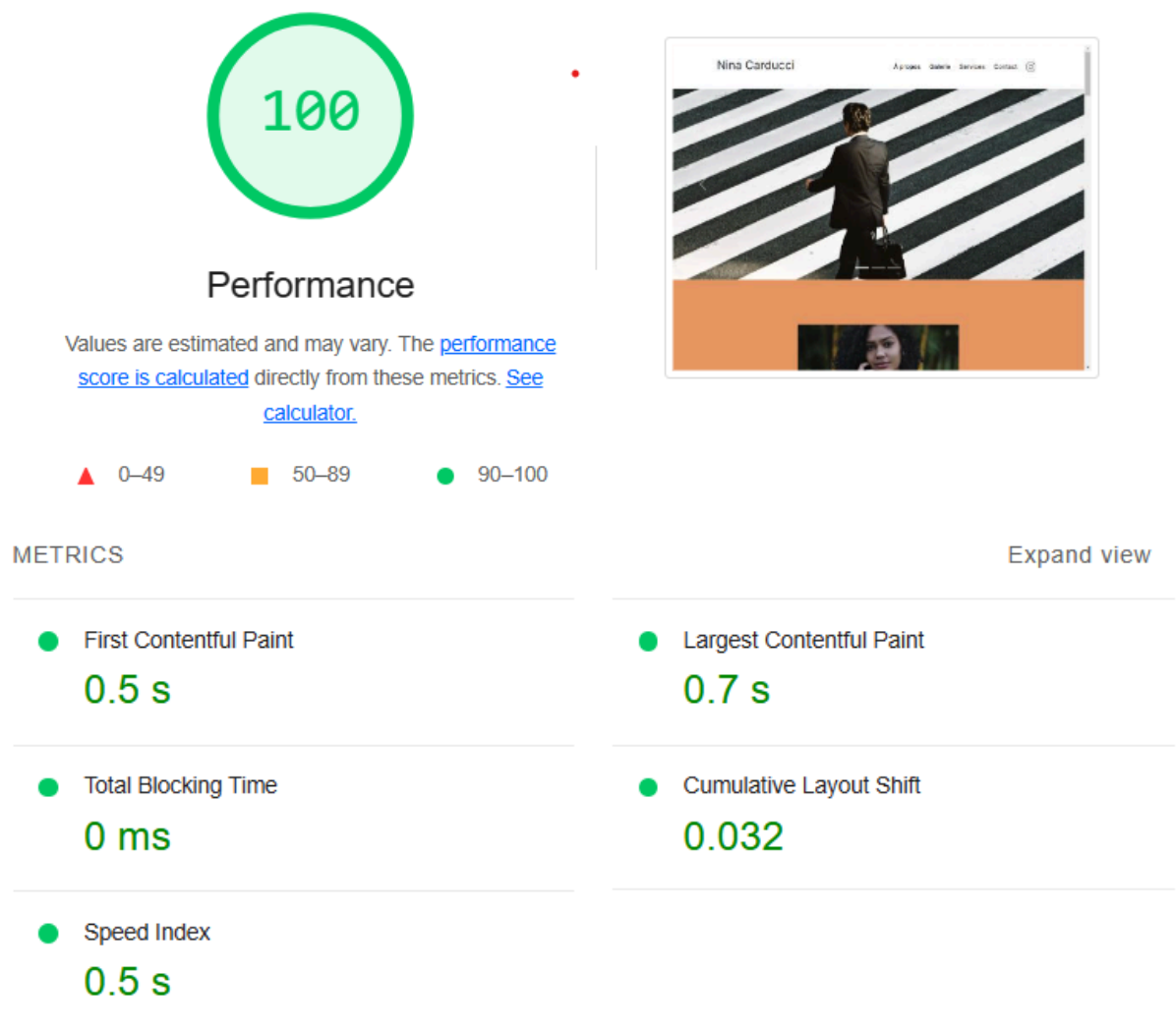
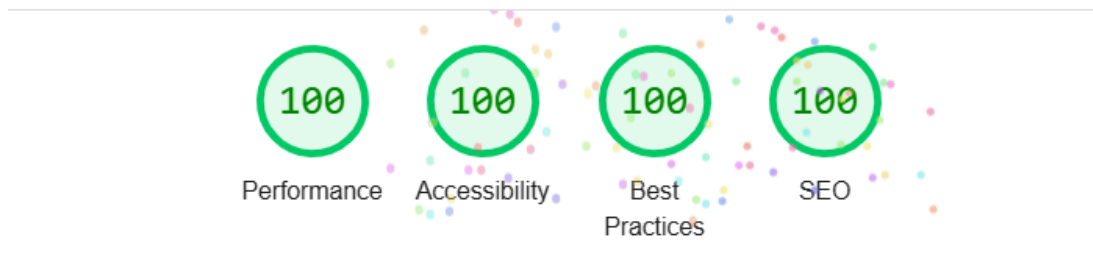
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I - Score Lighthouse

Score Lighthouse avant optimisation



Score Lighthouse apr  s optimisation



II - D  tails des optimisations et interventions effectu  es

1 - Les images

Le projet comporte originellement 14 images pour un poids total de 30.9 MB. Nous avons effectu   les modifications suivantes aux images :

- **Conversion en format webp** : ce format permet de compresser la taille des images en conservant une qualit   d'image acceptable.
- **Cr  ation de diff  rentes versions des images** pour int  grer des images adaptatives au html. Ainsi, en fonction de la taille de l'  cran de l'utilisateur, la photo charg  e sera plus ou moins grande. Pour ce faire, nous avons remplac   les balises img par des balises pictures dans le html.

Apr  s ces modifications, le poids total des images est de 314.1 kB, soit un gain de 98,98 %.

2 - Correction de la structure html

Voici les   l  ments que nous avons corrig   et am  lior   dans la structure du html :

- **R  organisation des titres** : le titre principal du site   tait en h3, nous l'avons corrig   en h1. Le h1 doit   tre unique car il indique le sujet principal du site aux utilisateurs et aux moteurs de recherche.

Nous avons   galement corrig   le reste des titres dont la structure n'  tait pas coh  rente (cf. structure ci-dessous). Il est important de respecter la hi  rarchie des titres pour que l'organisation du contenu soit clair pour l'utilisateur et les moteurs de recherche.

```
<!--STRUCTURE DES TITRES AVANT MODIFICATIONS-->
|
|
|      <h3>Nina Carducci</h3>
|      <h3>A propos de moi</h3>
|      |      <h6>Introduction du paragraphe "A propos de moi"</h6>
|      <h3>Portfolio</h3>
|      <h1>Citation</h1>
|      <h3>Mes services</h3>
|      <h3>Shooting photo</h3>
|      |      <h4>350  /demi journ  e</h4>
|      <h3>Retouches</h3>
|      |      <h4>50  /photo</h4>
|      <h3>Album photos</h3>
|      |      <h4>400   album A4</h4>
|      <h1>Citation</h1>
|      <h3>Une question ? Une demande de devis ?</h3>
```

```
<!--STRUCTURE DES TITRES APRES MODIFICATIONS-->

    <h1>Nina Carducci</h1>
    <h2>A propos de moi</h2>
    <h2>Portfolio</h2>
    <h2>Mes services</h2>
    <h3>Shooting photo</h3>
    <h3>Retouches</h3>
    <h3>Album photos</h3>
    <h2>Une question ? Une demande de devis ?</h2>
```

Ces corrections ont un impact sur l'exp  rience utilisateur, sur le SEO et   galement sur l'accessibilit   car les lecteurs d'  cran naviguent sur les sites via les titres.

- **Correction et ajout de balises s  mantiques :**

- Ajout de la balise **header** : elle permet d'identifier de mani  re claire l'en-t  te de la page, qui comprend g  n  ralement les   l  ments principaux de navigation, le titre et le logo.

Note : La div du carrousel avait d'ailleurs "header" pour nom de classe, ce qui nous paraissait incoh  rent. Nous avons donc supprim   cette div qui   tait inutile.

- Ajout de la balise **nav** : elle englobe les sections de liens de navigation du site et se situent g  n  ralement dans le header et le footer.
- Ajout de la balise **main** : elle englobe le contenu principal du site.
- Ajout des balises **section**, **article** et **aside** : elles permettent de structurer le contenu principal du site.

Les sections indiquent les th  matiques principales du site et permettent de donner une structure logique    la page.

Les articles sont des contenus autonomes qui peut   tre g  r   ind  pendamment du reste de la page. Dans notre cas, nous avons ajout   ces balises pour les services propos  s.

Les aside contiennent g  n  ralement des informations compl  mentaires ou secondaires. C'est ici le cas des citations.

L'utilisation de ces balises s  mantiques am  liore l'organisation et la clart   du code pour l'utilisateur, les moteurs de recherche et les technologies d'assistance. Elle a donc un impact direct sur l'exp  rience utilisateur, l'indexation de notre site donc le SEO, et l'accessibilit  .

3 - Mise en place du r  f  rencement local

Nous avons effectu   plusieurs ajustements pour am  liorer le r  f  rencement local :

- **Ajout de mots cl  s g  ographiques dans les balises** title, meta description ainsi que dans les balises Open Graph (cf. partie 4 - Ajout des balises meta) : ces balises comprennent d  sormais les mots-cl  s Bordeaux et Nouvelle-Aquitaine, ce qui indique aux moteurs de recherche et aux r  seaux sociaux que le contenu est pertinent pour les recherches locales.
- Ajout de **donn  es structur  es Schema.org** : elles incluent des donn  es locales sp  cifiques comme l'adresse, la r  gion desservie et les informations de contact. Cela permet aux moteurs de recherche d'afficher les informations localis  es dans les r  sultats de recherche et d'augmenter ses chances de voir son site appara  tre dans les r  sultats de recherche des utilisateurs situ  s    proximit  .

Globalement, ces actions renforcent le positionnement de l'entreprise en local.

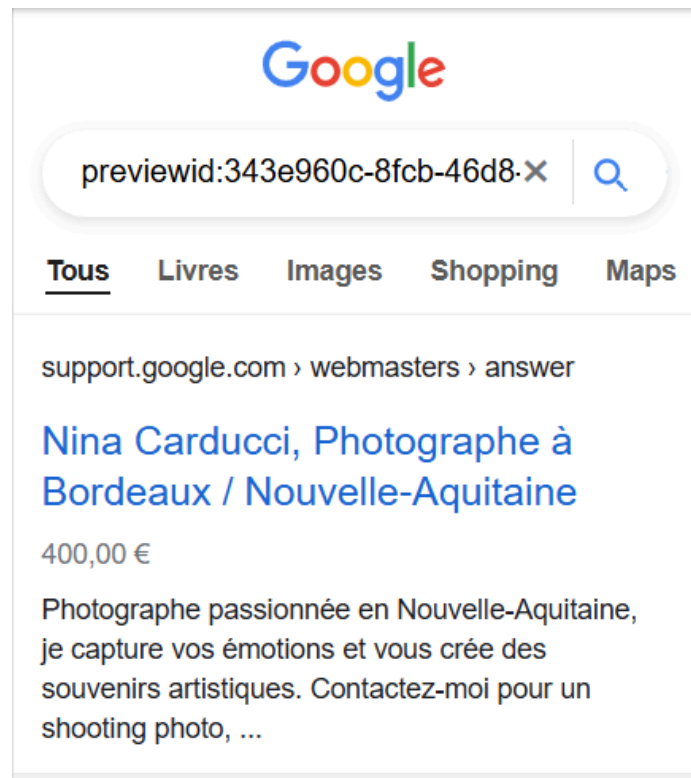
4 - Ajout des balises meta

Le code source comprenait d  j   deux balises m  ta indispensables. La balise meta-charset, qui d  finit l'encodage des caract  res, et la balise meta viewport qui contr  le la mise en page sur les mobiles. Ces deux balises ont un impact direct sur l'affichage de notre page.

Nous avons ajout   les balises suivantes :

- **Meta description** : c'est la courte description de la page qui appara  t g  n  ralement dans les r  sultats de recherche. Une bonne description influencera forc  ment le taux de visites sur le site.
- **Meta robots** : ces balises indiquent aux moteurs de recherche comment indexer votre page. Dans notre cas, nous avons demand   aux moteurs de recherche de ne pas conserver de version en cache de notre page (nocache pour Internet explorer et noarchive pour les autres navigateurs), sans limite d'affichage de snippets (cf. balises JSON-LD) et d'afficher les images en taille standard dans les r  sultats de recherche.
- **Meta language** : on sp  cifie la langue de la page. Cela peut aider les technologies d'assistance, les moteurs de recherche et les navigateurs.
- **Open Graph** : ce sont les balises qui sont utilis  es pour optimiser l'affichage des partages sur les r  seaux sociaux. Nous avons donc d  fini via ces balises le titre, la description, l'image et l'URL qui s'afficheront sur les r  seaux.
- **Meta twitter** : ces balises permettent de configurer l'affichage des informations de notre entreprise sous forme de carte lors des partages sur twitter.
- **JSON-LD** : il s'agit des donn  es structur  es (rich snippet) schema.org. Nous avons d  j   abord   la premi  re balise de ce type dans la partie r  f  rencement local. Nous en avons ajout   trois autres qui sont des snippet de produits et de services. Cela permettra d'afficher dans les r  sultats de recherche les produits et services que vous proposez avec titre, description et prix.

Voici un aperçu de la forme que peut prendre le résultat d'une recherche suite à la mise en place de contenu structuré (aperçu via google Rich Snippet) :



5 - Chargement différé

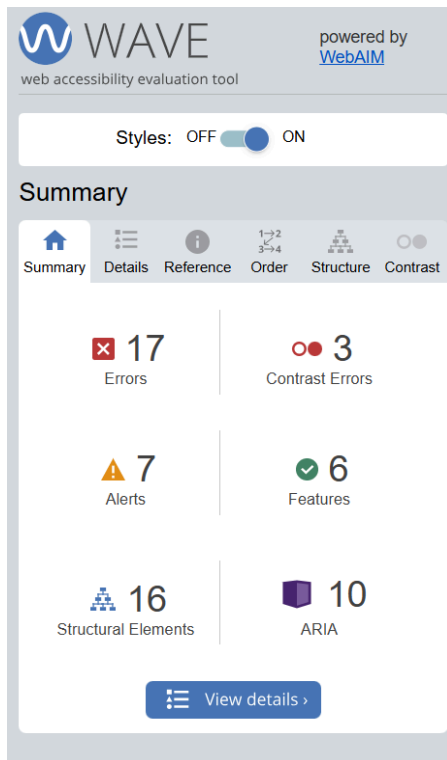
Les scripts javascript étaient initialement chargés en même temps que la page html. Cela peut créer des blocages de rendu, il est donc de bonne pratique de différer le chargement des javascripts. On s'assure que tout le contenu html soit bien affiché avant de charger les scripts. Nous avons donc placé les scripts en fin de body.

6 - Minification des fichiers

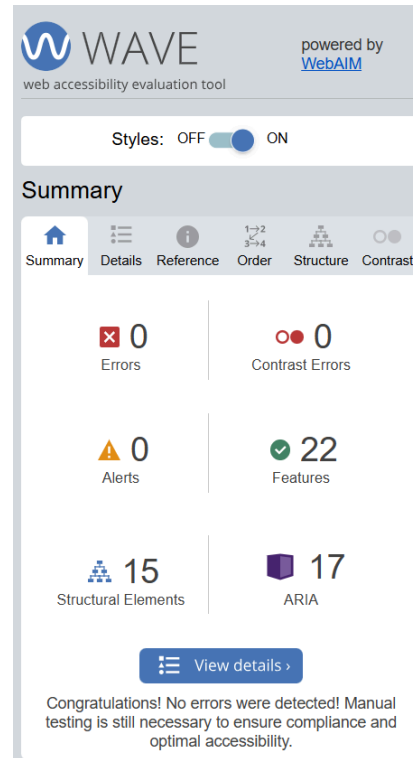
Pour réduire le temps de chargement et ainsi améliorer les performances du site, nous avons minifié les fichiers bootstrap.bundle.js et maugallery.js. Les fichiers plus petits seront chargés plus rapidement (important pour les utilisateurs mobiles ou dont la connexion est plus lente) et l'expérience utilisateur sera ainsi améliorée.

III - Accessibilit   du site

Accessibilit   avant optimisation



Accessibilit   apr  s optimisation



Modifications effectu  es

- Ajout de descriptions sur les photos avec l'attribut **alt** : permet aux utilisateurs qui ne peuvent pas voir l'image d'avoir une description de l'image. Elle est   galement utile pour les moteurs de recherche qui se servent de cet attribut pour indexer les images.
- Ajout d'un **label aux champs de formulaire** de contact : cela permet aux lecteurs d'  cran d'identifier clairement les champs de saisie.
- **Correction de contrastes** : cela rend la page plus lisible, moins fatigante    lire et accessible aux personnes ayant des d  ficiences visuelles. Nous avons corrig   la couleur du texte des filtres, qui   taient blancs lorsqu'ils   taient actifs.
- **Ajout de lang=fr au head du html** : c'est un   l  ment indispensable pour indiquer aux moteurs de recherche et lecteurs d'  cran la langue principale du site. Cela aide   galement les outils de traduction.

- **Ajout d'attributs aria-label** : il y avait d  j   des attributs aria-label sur le site, nous en avons ajout   quelques-uns pour am  liorer davantage l'accessibilit   pour les utilisateurs de technologies d'assistance.

Ces changements contribuent    rendre le site plus performant et plus inclusif en le rendant plus compr  hensible pour les utilisateurs, qu'ils aient un handicap ou non. Par ailleurs, les descriptions g  n  r  es par les attributs alt et label auront un impact positif sur le r  f  rencement du site aupr  s des moteurs de recherche.

IV - D  tails de r  alisations additionnelles    la demande du client

1 - Correction du bug de navigation dans la modale

La navigation dans la modale de la galerie entre image pr  c  dente et suivante ne fonctionnait pas. Nous avons trouv   la cause du probl  me dans le fichier maugallery.js : Dans les fonctions prevImage et nextImage, les images pr  c  dentes ou suivantes sont d  termin  es par la variable **next**.

Voici la construction de la variable dans le fichier initial pour la fonction prevImage :

```
next =  
  imagesCollection[index] ||  
  imagesCollection[imagesCollection.length - 1];
```

Si on traduit, cela veut dire que l'image suivante qui va s'afficher doit   tre l'image de la collection qui a le m  me index que l'image active (imagesCollection[index]) , ou s'il ne la trouve pas, la derni  re de la collection (imagesCollection[imagesCollection.length - 1]) pour cr  er une boucle. Or cette fonction ne fonctionne pas puisqu'elle trouve syst  matiquement l'image active. Ce que l'on souhaite, c'est afficher l'image dont l'index pr  c  de l'image active. Nous avons donc corrig   la fonction comme suit pour r  gler le probl  me :

```
next =  
  imagesCollection[index - 1] ||  
  imagesCollection[imagesCollection.length - 1];
```

Le probl  me   tait le m  me dans la fonction nextImage. La variable   tait d  finie comme cela :

```
next = imagesCollection[index] || imagesCollection[0];
```

Or nous voulons que l'image affich  e soit celle avec l'index sup  rieur. On corrige donc de cette mani  re :

```
next = imagesCollection[index + 1] || imagesCollection[0];
```

2 - Probl  me d'affichage des filtres actifs

Vous souhaitez que le filtre actif de cat  gorie ait un fond de couleur dor   comme pour le filtre par d  faut. Dans la version initiale, le fond appara  t bien sur le filtre Tous au chargement de la page. Puis lorsque l'on clique sur les autres filtres, il dispara  t pour ne jamais r  appara  tre nulle part.

Nous avons   galement trouv   la source du probl  me dans le fichier maugallery.js, ainsi que dans le style CSS :

Dans la fonction filterByTag du fichier initial, le filtre Tous avait deux classes par d  faut : la classe *active* et la classe *active-tag*.

Voici le fonctionnement de la fonction de filtre : on commence par v  rifier si l'  l  ment cliqu   a une class *active-tag*. Si c'est le cas, cela veut dire que le filtre cliqu   est le filtre d  j   actif. Si ce n'est pas le filtre actif, on supprime de l'  l  ment actif les classes *active* et *active-tag*, puis on ajoute une classe active-tag    l'  l  ment cliqu  .

Nous pointons d  j   une incoh  rence puisque le code supprime deux classes mais n'en rajoute qu'une des deux au clic. Il s'av  re que la classe active n'est pas n  cessaire, nous l'avons donc supprim   du code.

Par ailleurs, la mise en forme du filtre   tait appliqu  e sur la classe *active*, cela ne pouvait donc pas fonctionner. Nous avons donc modifi   le fichier CSS et appliqu   cette mise en forme aux   l  ments ayant la classe *active-tag*.

V - Cahier de recette

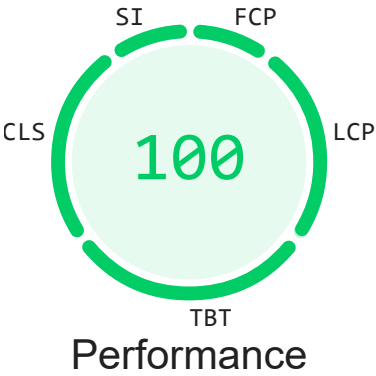
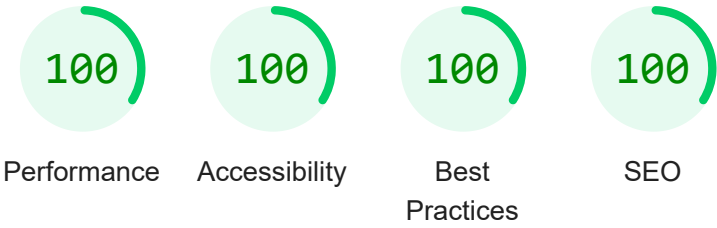
D  tail des fonctionnalit  s d  bugg  es et de leur statut :

ID	Action	R��sultat initial	R��sultat attendu	Statut	Remarques et commentaires
1	Naviguer entre les images de la galerie avec les fl��ches pr��c��dent et suivant	Rien ne se passe au clic	Navigation fonctionnelle	�� faire / R��solu	R��solu
2	Probl��me d'affichage des filtres actifs	Au clic sur les filtres, pas de fond dor�� sur le filtre actif	Le fond dor�� appara��t sur le filtre s��lectionn��. Si aucun filtre n'est s��lectionn��, le filtre Tous a ce fond par d��faut		R��solu

Annexe

Rapport complet de l'audit Lighthouse

Nina Carducci

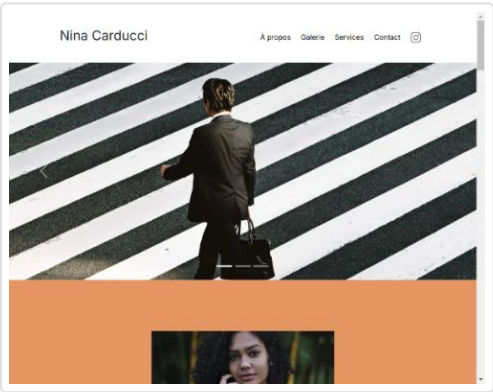


Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

 0–49

 50–89

 90–100



METRICS

Expand view

First Contentful Paint

0.5 s

Largest Contentful Paint

0.7 s

Total Blocking Time

0 ms

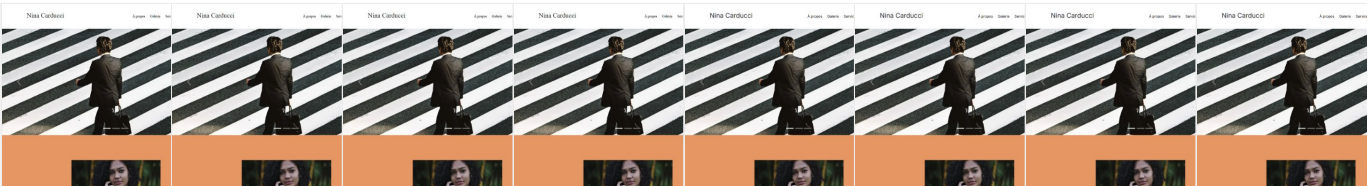
Cumulative Layout Shift

0.032

Speed Index

0.5 s

[View Treemap](#)



Show audits relevant to: [All](#) [FCP](#) [LCP](#) [TBT](#) [CLS](#)

DIAGNOSTICS

▲ Eliminate render-blocking resources — Potential savings of 240 ms

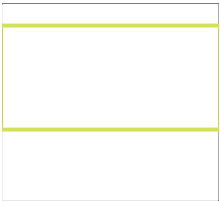
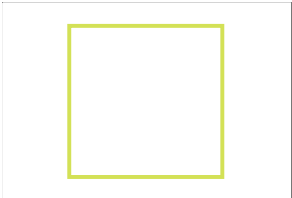
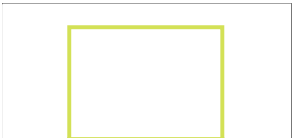
Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. [Learn how to eliminate render-blocking resources.](#) FCP LCP

☒ Show 3rd-party resources (2)

URL	Transfer Size	Potential Savings
GitHub Utility 1st Party	58.0 KiB	160 ms
...bootstrap/bootstrap.css (heloiseqsn.github.io)	26.6 KiB	80 ms
...bootstrap/bootstrap.bundle.js (heloiseqsn.github.io)	31.3 KiB	80 ms
Google Fonts Cdn	1.3 KiB	230 ms
/css2?family=... (fonts.googleapis.com)	1.3 KiB	230 ms
jQuery CDN Cdn	30.2 KiB	320 ms
/jquery-3.4.1.min.js (code.jquery.com)	30.2 KiB	320 ms

Image elements do not have explicit width and height

Set an explicit width and height on image elements to reduce layout shifts and improve CLS. [Learn how to set image dimensions](#) CLS

URL
GitHub Utility 1st Party
<div>img.d-block.w-100</div> <div>...slider/ryoji-iwata-1200.webp (heloiseqsn.github.io)</div>
<div>img</div> <div>...images/photo-Nin....webp (heloiseqsn.github.io)</div>
<div>img</div> <div>...images/photo-camera-400.webp (heloiseqsn.github.io)</div>

URL

img

...images/instagram.png (heloiseqsn.github.io)

Minify CSS — Potential savings of 5 KiB

Minifying CSS files can reduce network payload sizes. [Learn how to minify CSS.](#) FCP LCP

URL	Transfer Size	Potential Savings
GitHub Utility 1st Party	26.6 KiB	5.2 KiB
...bootstrap/bootstrap.css (heloiseqsn.github.io)	26.6 KiB	5.2 KiB

Minify JavaScript — Potential savings of 7 KiB

Minifying JavaScript files can reduce payload sizes and script parse time. [Learn how to minify JavaScript.](#) FCP LCP

URL	Transfer Size	Potential Savings
chrome-extension://amaaokahonnfjjemodnpmeenfpnnbkco/content_page2.js	24.3 KiB	6.6 KiB

Serve static assets with an efficient cache policy — 20 resources found

A long cache lifetime can speed up repeat visits to your page. [Learn more about efficient cache policies.](#)

URL	Cache TTL	Transfer Size
GitHub Utility 1st Party		352 KiB
...slider/ryoji-iwata-1200.webp (heloiseqsn.github.io)	10m	81 KiB
...slider/nicholas-green-1200.webp (heloiseqsn.github.io)	10m	47 KiB

URL	Cache TTL	Transfer Size
...slider/edward-cisneros-1200.webp (heloiseqsn.github.io)	10m	46 KiB
...bootstrap/bootstrap.bundle.js (heloiseqsn.github.io)	10m	31 KiB
...bootstrap/bootstrap.css (heloiseqsn.github.io)	10m	27 KiB
...concerts/photo-concerts-aaron-paul-320.webp (heloiseqsn.github.io)	10m	21 KiB
...images/photo-Nin....webp (heloiseqsn.github.io)	10m	16 KiB
...mariage/photo-mariages-jakob-owens-320.webp (heloiseqsn.github.io)	10m	15 KiB
...portraits/photo-portraits-nino-van-prattenburg-320.webp (heloiseqsn.github.io)	10m	13 KiB
...portraits/photo-portraits-ade-tunji-320.webp (heloiseqsn.github.io)	10m	12 KiB
...images/photo-camera-400.webp (heloiseqsn.github.io)	10m	9 KiB
...entreprise/photo-entreprise-mateus-campos-felipe-320.webp (heloiseqsn.github.io)	10m	8 KiB
...concerts/photo-concerts-austin-neill-320.webp (heloiseqsn.github.io)	10m	7 KiB
...entreprise/photo-entreprise-jason-goodman-320.webp (heloiseqsn.github.io)	10m	6 KiB
...mariage/photo-mariages-hannah-busing-320.webp (heloiseqsn.github.io)	10m	5 KiB
...entreprise/photo-entreprise-ali-morshedlou-320.webp (heloiseqsn.github.io)	10m	5 KiB
...assets/maugallery.js (heloiseqsn.github.io)	10m	2 KiB
...assets/style.css (heloiseqsn.github.io)	10m	2 KiB
...images/instagram.png (heloiseqsn.github.io)	10m	1 KiB
...assets/scripts.js (heloiseqsn.github.io)	10m	1 KiB

Reduce unused CSS — Potential savings of 10 KiB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity. [Learn how to reduce unused CSS.](#) FCP LCP

URL	Transfer Size	Potential Savings
GitHub Utility 1st Party	10.5 KiB	10.1 KiB
...bootstrap/bootstrap.css (heloiseqsn.github.io)	10.5 KiB	10.1 KiB

○ Avoid large layout shifts — 2 layout shifts found

These are the largest layout shifts observed on the page. Each table item represents a single layout shift, and shows the element that shifted the most. Below each item are possible root causes that led to the layout shift. Some of these layout shifts may not be included in the CLS metric value due to [windowing](#). [Learn how to improve CLS](#) CLS

Element	Layout shift score
<div><div></div><div>div#about-me</div></div> <div></div> <div>0.031</div>	
<div><div></div><div>nav</div></div> <div></div> <div>0.000</div>	
...v13/rnCu-xNNw....woff2 (fonts.gstatic.com)	Web font loaded
...v18/UcCO3FwrK....woff2 (fonts.gstatic.com)	Web font loaded
...assets/maugallery.js (heloiseqsn.github.io)	A late network request adjusted the page layout
...assets/scripts.js (heloiseqsn.github.io)	A late network request adjusted the page layout
/jquery-3.4.1.min.js (code.jquery.com)	A late network request adjusted the page layout
/css2?family=... (fonts.googleapis.com)	A late network request adjusted the page layout
...assets/style.css (heloiseqsn.github.io)	A late network request adjusted the page layout
...bootstrap/bootstrap.bundle.js (heloiseqsn.github.io)	A late network request adjusted the page layout
...bootstrap/bootstrap.css (heloiseqsn.github.io)	A late network request adjusted the page layout

○ Initial server response time was short — Root document took 20 ms

Keep the server response time for the main document short because all other requests depend on it. [Learn more about the Time to First Byte metric](#). FCP LCP

URL	Time Spent
GitHub Utility 1st Party	20 ms
/HeloiseQsn-Nina-Carducci-Dev/ (heloiseqsn.github.io)	20 ms

○ Avoids enormous network payloads — Total size was 456 KiB

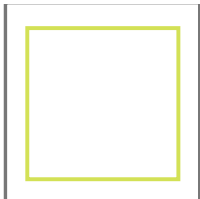
Large network payloads cost users real money and are highly correlated with long load times. [Learn how to reduce payload sizes.](#)

☒ Show 3rd-party resources (3)

URL	Transfer Size
GitHub Utility 1st Party	268.9 KiB
...slider/ryoji-iwata-1200.webp (heloiseqsn.github.io)	81.4 KiB
...slider/nicholas-green-1200.webp (heloiseqsn.github.io)	46.9 KiB
...slider/edward-cisneros-1200.webp (heloiseqsn.github.io)	46.1 KiB
...bootstrap/bootstrap.bundle.js (heloiseqsn.github.io)	31.3 KiB
...bootstrap/bootstrap.css (heloiseqsn.github.io)	26.6 KiB
...concerts/photo-concerts-aaron-paul-320.webp (heloiseqsn.github.io)	20.5 KiB
...images/photo-Nin....webp (heloiseqsn.github.io)	16.0 KiB
Google Fonts Cdn	39.2 KiB
...v18/UcCO3FwrK....woff2 (fonts.gstatic.com)	23.8 KiB
...v13/rnCu-xNNw....woff2 (fonts.gstatic.com)	15.4 KiB
jQuery CDN Cdn	30.2 KiB
/jquery-3.4.1.min.js (code.jquery.com)	30.2 KiB

○ Avoids an excessive DOM size — 190 elements

A large DOM will increase memory usage, cause longer [style calculations](#), and produce costly [layout reflows](#). [Learn how to avoid an excessive DOM size.](#) TBT

Statistic	Element	Value
Total DOM Elements		190
Maximum DOM Depth	div.mg-prev	10
Maximum Child Elements		9
	div.gallery-items-row.row	

☐ Avoid chaining critical requests — 10 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load. [Learn how to avoid chaining critical requests.](#)

Maximum critical path latency: **216.424 ms**

Initial Navigation

- /HeloiseQsn-Nina-Carducci-Dev/ (heloiseqsn.github.io)
 - ...bootstrap/bootstrap.css (heloiseqsn.github.io) - **21.903 ms, 26.64 KiB**
 - ...assets/style.css (heloiseqsn.github.io) - **32.938 ms, 1.73 KiB**
- /css2?family=... (fonts.googleapis.com)
 - ...v18/UcCO3FwrK....woff2 (fonts.gstatic.com) - **34.169 ms, 23.78 KiB**
 - ...v13/rnCu-xNNw....woff2 (fonts.gstatic.com) - **38.19 ms, 14.58 KiB**
 - ...v13/rnCu-xNNw....woff2 (fonts.gstatic.com) - **47.236 ms, 15.38 KiB**
 - ...v13/rnCr-xNNw....woff2 (fonts.gstatic.com) - **42.687 ms, 13.57 KiB**
- ...bootstrap/bootstrap.bundle.js (heloiseqsn.github.io) - **22.13 ms, 31.32 KiB**
- /jquery-3.4.1.min.js (code.jquery.com) - **45.377 ms, 30.25 KiB**
- ...assets/maugallery.js (heloiseqsn.github.io) - **18.198 ms, 1.95 KiB**
- ...assets/scripts.js (heloiseqsn.github.io) - **18.238 ms, 0.59 KiB**

☐ JavaScript execution time — 0.0 s

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this. [Learn how to reduce Javascript execution time.](#) TBT

☒ Show 3rd-party resources (1)

URL	Total CPU Time	Script Evaluation	Script Parse
GitHub Utility 1st Party	127 ms	10 ms	0 ms

URL	Total CPU Time	Script Evaluation	Script Parse
/HeloiseQsn-Nina-Carducci-Dev/ (heloiseqsn.github.io)	127 ms	10 ms	0 ms
jQuery CDN Cdn	67 ms	37 ms	1 ms
/jquery-3.4.1.min.js (code.jquery.com)	67 ms	37 ms	1 ms
Unattributable	51 ms	2 ms	0 ms
Unattributable	51 ms	2 ms	0 ms

○ Minimizes main-thread work — 0.3 s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this. [Learn how to minimize main-thread work](#) TBT

Category	Time Spent
Other	100 ms
Style & Layout	84 ms
Script Evaluation	59 ms
Parse HTML & CSS	10 ms
Rendering	10 ms
Script Parsing & Compilation	6 ms

○ Minimize third-party usage — Third-party code blocked the main thread for 0 ms

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading. [Learn how to minimize third-party impact](#) TBT

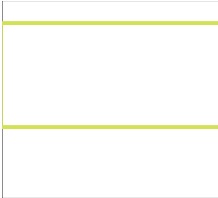
Third-Party	Transfer Size	Main-Thread Blocking Time
Google Fonts Cdn	69 KiB	0 ms
...v18/UcCO3FwrK....woff2 (fonts.gstatic.com)	24 KiB	0 ms
...v13/rnCu-xNNw....woff2 (fonts.gstatic.com)	15 KiB	0 ms
...v13/rnCu-xNNw....woff2 (fonts.gstatic.com)	15 KiB	0 ms

Third-Party	Transfer Size	Main-Thread Blocking Time
...v13/rnCr-xNNw....woff2 (fonts.gstatic.com)	14 KiB	0 ms
/css2?family=... (fonts.googleapis.com)	1 KiB	0 ms
jQuery CDN Cdn	30 KiB	0 ms
/jquery-3.4.1.min.js (code.jquery.com)	30 KiB	0 ms

Largest Contentful Paint element — 670 ms ^

This is the largest contentful element painted within the viewport. [Learn more about the Largest Contentful Paint element](#)
LCP

Element

img.d-block.w-100

Phase	% of LCP	Timing
TTFB	26%	170 ms
Load Delay	0%	0 ms
Load Time	11%	70 ms
Render Delay	63%	430 ms

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (23)

Hide

Properly size images^

Serve images that are appropriately-sized to save cellular data and improve load time. [Learn how to size images.](#) FCP
LCP

Defer offscreen images^

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive. [Learn how to defer offscreen images.](#) FCP LCP

Reduce unused JavaScript	^
Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity. Learn how to reduce unused JavaScript. FCP LCP	
Efficiently encode images	^
Optimized images load faster and consume less cellular data. Learn how to efficiently encode images. FCP LCP	
Serve images in next-gen formats	^
Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. Learn more about modern image formats. FCP LCP	
Enable text compression	^
Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes. Learn more about text compression. FCP LCP	
Preconnect to required origins	^
Consider adding preconnect or dns-prefetch resource hints to establish early connections to important third-party origins. Learn how to preconnect to required origins. LCP FCP	
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. Learn how to avoid page redirects. LCP FCP	
Use HTTP/2	^
HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing. Learn more about HTTP/2. LCP FCP	
Use video formats for animated content	^
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for animations and PNG/WebP for static images instead of GIF to save network bytes. Learn more about efficient video formats FCP LCP	
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity. FCP LCP	
Avoid serving legacy JavaScript to modern browsers	^
Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature	

detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers. [Learn how to use modern JavaScript](#) FCP LCP

Preload Largest Contentful Paint image ^

If the LCP element is dynamically added to the page, you should preload the image in order to improve LCP. [Learn more about preloading LCP elements](#). LCP

☐ User Timing marks and measures ^

Consider instrumenting your app with the User Timing API to measure your app's real-world performance during key user experiences. [Learn more about User Timing marks](#).

All text remains visible during webfont loads ^

Leverage the font-display CSS feature to ensure text is user-visible while webfonts are loading. [Learn more about font-display](#).

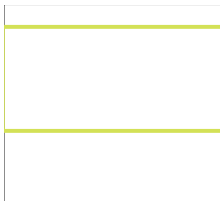
☐ Lazy load third-party resources with facades ^

Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required. [Learn how to defer third-parties with a facade](#). TBT

Largest Contentful Paint image was not lazily loaded ^

Above-the-fold images that are lazily loaded render later in the page lifecycle, which can delay the largest contentful paint. [Learn more about optimal lazy loading](#). LCP

Element



img.d-block.w-100

Uses passive listeners to improve scrolling performance ^

Consider marking your touch and wheel event listeners as passive to improve your page's scroll performance. [Learn more about adopting passive event listeners](#).

Avoids `document.write()` ^

For users on slow connections, external scripts dynamically injected via `document.write()` can delay page load by tens of seconds. [Learn how to avoid document.write\(\)](#).

<div><div></div><div>Avoid long main-thread tasks</div><div></div></div>
<div>Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay. Learn how to avoid long main-thread tasks <div>TBT</div></div>
<div><div></div><div>Avoid non-composited animations</div><div></div></div>
<div>Animations which are not composited can be janky and increase CLS. Learn how to avoid non-composited animations <div>CLS</div></div>
<div><div></div><div>Has a <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code></div><div></div></div>
<div>A <code><meta name="viewport"></code> not only optimizes your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input. Learn more about using the viewport meta tag.</div>
<div><div></div><div>Page didn't prevent back/forward cache restoration</div><div></div></div>
<div>Many navigations are performed by going back to a previous page, or forwards again. The back/forward cache (bfcache) can speed up these return navigations. Learn more about the bfcache</div>



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Hide

<div><div></div><div>Interactive controls are keyboard focusable</div><div></div></div>
<div>Custom interactive controls are keyboard focusable and display a focus indicator. Learn how to make custom controls focusable.</div>
<div><div></div><div>Interactive elements indicate their purpose and state</div><div></div></div>
<div>Interactive elements, such as links and buttons, should indicate their state and be distinguishable from non-interactive elements. Learn how to decorate interactive elements with affordance hints.</div>
<div><div></div><div>The page has a logical tab order</div><div></div></div>
<div>Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. Learn more about</div>

logical tab ordering .	
<div><div><div><div><div><div></div></div></div><div>Visual order on the page follows DOM order</div></div></div><div></div></div>	^
DOM order matches the visual order, improving navigation for assistive technology. Learn more about DOM and visual ordering .	
<div><div><div><div><div><div></div></div></div><div>User focus is not accidentally trapped in a region</div></div></div><div></div></div>	^
A user can tab into and out of any control or region without accidentally trapping their focus. Learn how to avoid focus traps .	
<div><div><div><div><div><div></div></div></div><div>The user's focus is directed to new content added to the page</div></div></div><div></div></div>	^
If new content, such as a dialog, is added to the page, the user's focus is directed to it. Learn how to direct focus to new content .	
<div><div><div><div><div><div></div></div></div><div>HTML5 landmark elements are used to improve navigation</div></div></div><div></div></div>	^
Landmark elements (<main>, <nav>, etc.) are used to improve the keyboard navigation of the page for assistive technology. Learn more about landmark elements .	
<div><div><div><div><div><div></div></div></div><div>Offscreen content is hidden from assistive technology</div></div></div><div></div></div>	^
Offscreen content is hidden with display: none or aria-hidden=true. Learn how to properly hide offscreen content .	
<div><div><div><div><div><div></div></div></div><div>Custom controls have associated labels</div></div></div><div></div></div>	^
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. Learn more about custom controls and labels .	
<div><div><div><div><div><div></div></div></div><div>Custom controls have ARIA roles</div></div></div><div></div></div>	^
Custom interactive controls have appropriate ARIA roles. Learn how to add roles to custom controls .	

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (26)

Hide

[aria-*) attributes match their roles	^
Each ARIA role supports a specific subset of aria-* attributes. Mismatching these invalidates the aria-* attributes. Learn how to match ARIA attributes to their roles .	
[aria-hidden="true"] is not present on the document <body>	^

Assistive technologies, like screen readers, work inconsistently when <code>aria-hidden="true"</code> is set on the document <code><body></code> . Learn how aria-hidden affects the document body.	
<code>[role]</code> s have all required <code>[aria-*</code>] attributes	^
Some ARIA roles have required attributes that describe the state of the element to screen readers. Learn more about roles and required attributes.	
<code>[aria-*</code>] attributes have valid values	^
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. Learn more about valid values for ARIA attributes.	
<code>[aria-*</code>] attributes are valid and not misspelled	^
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. Learn more about valid ARIA attributes.	
Buttons have an accessible name	^
When a button doesn't have an accessible name, screen readers announce it as "button", making it unusable for users who rely on screen readers. Learn how to make buttons more accessible.	
Image elements have <code>[alt]</code> attributes	^
Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more about the alt attribute.	
Input buttons have discernible text.	^
Adding discernable and accessible text to input buttons may help screen reader users understand the purpose of the input button. Learn more about input buttons.	
<code>[user-scalable="no"]</code> is not used in the <code><meta name="viewport"></code> element and the <code>[maximum-scale]</code> attribute is not less than 5.	^
Disabling zooming is problematic for users with low vision who rely on screen magnification to properly see the contents of a web page. Learn more about the viewport meta tag.	
ARIA attributes are used as specified for the element's role	^
Some ARIA attributes are only allowed on an element under certain conditions. Learn more about conditional ARIA attributes.	
<code>[aria-hidden="true"]</code> elements do not contain focusable descendents	^

Focusable descendents within an <code>[aria-hidden="true"]</code> element prevent those interactive elements from being available to users of assistive technologies like screen readers. Learn how aria-hidden affects focusable elements.	
Elements use only permitted ARIA attributes	^
Using ARIA attributes in roles where they are prohibited can mean that important information is not communicated to users of assistive technologies. Learn more about prohibited ARIA roles.	
<code>[role]</code> values are valid	^
ARIA roles must have valid values in order to perform their intended accessibility functions. Learn more about valid ARIA roles.	
Background and foreground colors have a sufficient contrast ratio	^
Low-contrast text is difficult or impossible for many users to read. Learn how to provide sufficient color contrast.	
Document has a <code><title></code> element	^
The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. Learn more about document titles.	
<code><html></code> element has a <code>[lang]</code> attribute	^
If a page doesn't specify a <code>lang</code> attribute, a screen reader assumes that the page is in the default language that the user chose when setting up the screen reader. If the page isn't actually in the default language, then the screen reader might not announce the page's text correctly. Learn more about the lang attribute.	
<code><html></code> element has a valid value for its <code>[lang]</code> attribute	^
Specifying a valid BCP 47 language helps screen readers announce text properly. Learn how to use the lang attribute.	
Form elements have associated labels	^
Labels ensure that form controls are announced properly by assistive technologies, like screen readers. Learn more about form element labels.	
Links have a discernible name	^
Link text (and alternate text for images, when used as links) that is discernible, unique, and focusable improves the navigation experience for screen reader users. Learn how to make links accessible.	
Lists contain only <code></code> elements and script supporting elements (<code><script></code> and <code><template></code>).	^
Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. Learn more about proper list structure.	

List items (<code></code>) are contained within <code></code> , <code></code> or <code><menu></code> parent elements	^
Screen readers require list items (<code></code>) to be contained within a parent <code></code> , <code></code> or <code><menu></code> to be announced properly. Learn more about proper list structure.	
Touch targets have sufficient size and spacing.	^
Touch targets with sufficient size and spacing help users who may have difficulty targeting small controls to activate the targets. Learn more about touch targets.	
Heading elements appear in a sequentially-descending order	^
Properly ordered headings that do not skip levels convey the semantic structure of the page, making it easier to navigate and understand when using assistive technologies. Learn more about heading order.	
Uses ARIA roles only on compatible elements	^
Many HTML elements can only be assigned certain ARIA roles. Using ARIA roles where they are not allowed can interfere with the accessibility of the web page. Learn more about ARIA roles.	
Deprecated ARIA roles were not used	^
Deprecated ARIA roles may not be processed correctly by assistive technology. Learn more about deprecated ARIA roles.	
Image elements do not have <code>[alt]</code> attributes that are redundant text.	^
Informative elements should aim for short, descriptive alternative text. Alternative text that is exactly the same as the text adjacent to the link or image is potentially confusing for screen reader users, because the text will be read twice. Learn more about the alt attribute.	

NOT APPLICABLE (31)

Hide

<input type="radio"/> <code>[accesskey]</code> values are unique	^
Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. Learn more about access keys.	
<input type="radio"/> <code>button</code> , <code>link</code> , and <code>menuitem</code> elements have accessible names	^
When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn how to make command elements more accessible.	
<input type="radio"/> Elements with <code>role="dialog"</code> or <code>role="alertdialog"</code> have accessible names.	^

ARIA dialog elements without accessible names may prevent screen readers users from discerning the purpose of these elements. Learn how to make ARIA dialog elements more accessible.	
<input type="radio"/> ARIA input fields have accessible names	^
When an input field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more about input field labels.	
<input type="radio"/> ARIA <code>meter</code> elements have accessible names	^
When a meter element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn how to name meter elements.	
<input type="radio"/> ARIA <code>progressbar</code> elements have accessible names	^
When a progressbar element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn how to label progressbar elements.	
<input type="radio"/> Elements with an ARIA <code>[role]</code> that require children to contain a specific <code>[role]</code> have all required children.	^
Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. Learn more about roles and required children elements.	
<input type="radio"/> <code>[role]</code> s are contained by their required parent element	^
Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessibility functions. Learn more about ARIA roles and required parent element.	
<input type="radio"/> Elements with the <code>role=text</code> attribute do not have focusable descendents.	^
Adding <code>role=text</code> around a text node split by markup enables VoiceOver to treat it as one phrase, but the element's focusable descendents will not be announced. Learn more about the <code>role=text</code> attribute.	
<input type="radio"/> ARIA toggle fields have accessible names	^
When a toggle field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more about toggle fields.	
<input type="radio"/> ARIA <code>tooltip</code> elements have accessible names	^
When a tooltip element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn how to name tooltip elements.	
<input type="radio"/> ARIA <code>treeitem</code> elements have accessible names	^

When a `treeitem` element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn more about labeling `treeitem` elements.](#)

- ☐ The page contains a heading, skip link, or landmark region

Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. [Learn more about bypass blocks.](#)

- ☐ `<d1>`'s contain only properly-ordered `<dt>` and `<dd>` groups, `<script>`, `<template>` or `<div>` elements.

When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. [Learn how to structure definition lists correctly.](#)

- ☐ Definition list items are wrapped in `<d1>` elements

Definition list items (`<dt>` and `<dd>`) must be wrapped in a parent `<d1>` element to ensure that screen readers can properly announce them. [Learn how to structure definition lists correctly.](#)

- ☐ ARIA IDs are unique

The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. [Learn how to fix duplicate ARIA IDs.](#)

- ☐ No form fields have multiple labels

Form fields with multiple labels can be confusingly announced by assistive technologies like screen readers which use either the first, the last, or all of the labels. [Learn how to use form labels.](#)

- ☐ `<frame>` or `<iframe>` elements have a title

Screen reader users rely on frame titles to describe the contents of frames. [Learn more about frame titles.](#)

- ☐ `<html>` element has an `[xml:lang]` attribute with the same base language as the `[lang]` attribute.

If the webpage does not specify a consistent language, then the screen reader might not announce the page's text correctly. [Learn more about the `lang` attribute.](#)

- ☐ `<input type="image">` elements have `[alt]` text

When an image is being used as an `<input>` button, providing alternative text can help screen reader users understand the purpose of the button. [Learn about input image alt text.](#)

- ☐ Links are distinguishable without relying on color.

Low-contrast text is difficult or impossible for many users to read. Link text that is discernible improves the experience for users with low vision. [Learn how to make links distinguishable.](#)

- ☐ The document does not use `<meta http-equiv="refresh">` ^

Users do not expect a page to refresh automatically, and doing so will move focus back to the top of the page. This may create a frustrating or confusing experience. [Learn more about the refresh meta tag.](#)

- ☐ `<object>` elements have alternate text ^

Screen readers cannot translate non-text content. Adding alternate text to `<object>` elements helps screen readers convey meaning to users. [Learn more about alt text for object elements.](#)

- ☐ Select elements have associated label elements. ^

Form elements without effective labels can create frustrating experiences for screen reader users. [Learn more about the select element.](#)

- ☐ Skip links are focusable. ^

Including a skip link can help users skip to the main content to save time. [Learn more about skip links.](#)

- ☐ No element has a `[tabindex]` value greater than 0 ^

A value greater than 0 implies an explicit navigation ordering. Although technically valid, this often creates frustrating experiences for users who rely on assistive technologies. [Learn more about the tabindex attribute.](#)

- ☐ Tables have different content in the summary attribute and `<caption>`. ^

The summary attribute should describe the table structure, while `<caption>` should have the onscreen title. Accurate table mark-up helps users of screen readers. [Learn more about summary and caption.](#)

- ☐ Cells in a `<table>` element that use the `[headers]` attribute refer to table cells within the same table. ^

Screen readers have features to make navigating tables easier. Ensuring `<td>` cells using the `[headers]` attribute only refer to other cells in the same table may improve the experience for screen reader users. [Learn more about the headers attribute.](#)

- ☐ `<th>` elements and elements with `[role="columnheader"/"rowheader"]` have data cells they describe. ^

Screen readers have features to make navigating tables easier. Ensuring table headers always refer to some set of cells may improve the experience for screen reader users. [Learn more about table headers.](#)

- ☐ `[lang]` attributes have a valid value ^

Specifying a valid [BCP 47 language](#) on elements helps ensure that text is pronounced correctly by a screen reader. [Learn how to use the lang attribute.](#)

<video> elements contain a <track> element with [kind="captions"]

When a video provides a caption it is easier for deaf and hearing impaired users to access its information. [Learn more about video captions.](#)



Best Practices

TRUST AND SAFETY

Ensure CSP is effective against XSS attacks

A strong Content Security Policy (CSP) significantly reduces the risk of cross-site scripting (XSS) attacks. [Learn how to use a CSP to prevent XSS](#)

Description	Directive	Severity
No CSP found in enforcement mode		High

GENERAL

Detected JavaScript libraries

All front-end JavaScript libraries detected on the page. [Learn more about this JavaScript library detection diagnostic audit.](#)

Name	Version
Bootstrap	5.1.3
jQuery	3.4.1

PASSED AUDITS (14)

Hide

Uses HTTPS

All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding [mixed content](#), where some resources are loaded over HTTP despite the initial request being served over HTTPS. HTTPS prevents

intruders from tampering with or passively listening in on the communications between your app and your users, and is a prerequisite for HTTP/2 and many new web platform APIs. Learn more about HTTPS.	
Avoids deprecated APIs	^
Deprecated APIs will eventually be removed from the browser. Learn more about deprecated APIs.	
Avoids third-party cookies	^
Chrome is moving towards a new experience that allows users to choose to browse without third-party cookies. Learn more about third-party cookies.	
Allows users to paste into input fields	^
Preventing input pasting is a bad practice for the UX, and weakens security by blocking password managers. Learn more about user-friendly input fields.	
Avoids requesting the geolocation permission on page load	^
Users are mistrustful of or confused by sites that request their location without context. Consider tying the request to a user action instead. Learn more about the geolocation permission.	
Avoids requesting the notification permission on page load	^
Users are mistrustful of or confused by sites that request to send notifications without context. Consider tying the request to user gestures instead. Learn more about responsibly getting permission for notifications.	
Displays images with correct aspect ratio	^
Image display dimensions should match natural aspect ratio. Learn more about image aspect ratio.	
Serves images with appropriate resolution	^
Image natural dimensions should be proportional to the display size and the pixel ratio to maximize image clarity. Learn how to provide responsive images.	
Has a <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code>	^
A <code><meta name="viewport"></code> not only optimizes your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input . Learn more about using the viewport meta tag.	
Page has the HTML doctype	^
Specifying a doctype prevents the browser from switching to quirks-mode. Learn more about the doctype declaration.	

Properly defines charset	^
A character encoding declaration is required. It can be done with a <meta> tag in the first 1024 bytes of the HTML or in the Content-Type HTTP response header. Learn more about declaring the character encoding.	
No browser errors logged to the console	^
Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. Learn more about this errors in console diagnostic audit	
No issues in the <i>Issues</i> panel in Chrome Devtools	^
Issues logged to the Issues panel in Chrome Devtools indicate unresolved problems. They can come from network request failures, insufficient security controls, and other browser concerns. Open up the Issues panel in Chrome DevTools for more details on each issue.	
Page has valid source maps	^
Source maps translate minified code to the original source code. This helps developers debug in production. In addition, Lighthouse is able to provide further insights. Consider deploying source maps to take advantage of these benefits. Learn more about source maps.	

NOT APPLICABLE (2)

Hide

<input type="radio"/> Redirects HTTP traffic to HTTPS	^
Make sure that you redirect all HTTP traffic to HTTPS in order to enable secure web features for all your users. Learn more.	
<input type="radio"/> Document uses legible font sizes	^
Font sizes less than 12px are too small to be legible and require mobile visitors to “pinch to zoom” in order to read. Strive to have >60% of page text ≥12px. Learn more about legible font sizes.	



SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more about Google Search Essentials.](#)

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Hide

 Structured data is valid

Run the [Structured Data Testing Tool](#) and the [Structured Data Linter](#) to validate structured data. [Learn more about Structured Data.](#)

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (8)

Hide

Page isn't blocked from indexing

Search engines are unable to include your pages in search results if they don't have permission to crawl them. [Learn more about crawler directives.](#)

Document has a <title> element

The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. [Learn more about document titles.](#)

Document has a meta description

Meta descriptions may be included in search results to concisely summarize page content. [Learn more about the meta description.](#)

Page has successful HTTP status code

Pages with unsuccessful HTTP status codes may not be indexed properly. [Learn more about HTTP status codes.](#)

Links have descriptive text

Descriptive link text helps search engines understand your content. [Learn how to make links more accessible.](#)

Links are crawlable

Search engines may use href attributes on links to crawl websites. Ensure that the href attribute of anchor elements links to an appropriate destination, so more pages of the site can be discovered. [Learn how to make links crawlable](#)

Image elements have [alt] attributes

Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. [Learn more about the alt attribute.](#)

Document has a valid hreflang

hreflang links tell search engines what version of a page they should list in search results for a given language or region. [Learn more about hreflang.](#)

NOT APPLICABLE (2)

Hide

○ robots.txt is valid

^

If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled or indexed. [Learn more about robots.txt.](#)

○ Document has a valid rel=canonical

^

Canonical links suggest which URL to show in search results. [Learn more about canonical links.](#)

Captured at Oct 25, 2024, 2:23 PM GMT+2
Initial page load

Emulated Desktop with Lighthouse 12.2.1
Custom throttling

Single page session
Using Chromium 130.0.0.0 with devtools