

# *P6 - Créez un site accessible pour une plateforme de photographes*



*par Thomas RANQUE*

# Le projet

Refonte d'un site existant.

Passer d'un site statique à un site dynamique avec JS.

Pattern Factory Design.

Responsive design non requis sur mobile.

Accessibilité importante pour les personnes malvoyantes.

Fish@ye

Nos photographes



Mimi Keel

London, UK  
Voir le beau dans le quotidien  
400€/jour



Ellie-Rose Wilkens

Paris, France  
Capturer des compositions complexes



Tracy Galindo

Montreal, Canada  
Photographe freelance



Nabeel Bradf

Mexico City, Mexico  
Toujours aller de l'avant  
350€/jour

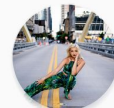
Fish@ye

Tracy Galindo

Montreal, Canada

Photographe freelance

Contactez-moi



Trier par

Popularité



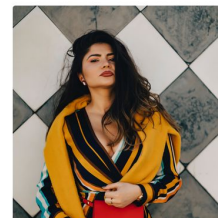
Triangle Man

88 ♥



Art Mine

75 ♥



Fashion Pattern on a Pattern

72 ♥



460 ♥ 500€ / jour

# Optimisations

Structure du site & responsive

## Séparation HTML/CSS/JS :

Index.html

photographer.html

css

scripts

pages

factories

utils

assets

icons

images

photographers

photos

data (json)

Breakpoints 992px / 768px

```
225 // TABLET
226 @media screen and (max-width: 992px) {
227   .photograph-header {
228     .info {
229       align-self: flex-start;
230       margin-left: 5%;
231       height: auto;
232       h1 {
233         margin-bottom: 10px;
234       }
235
236       address {
237         font-size: 24px;
238       }
239
240       blockquote {
241         font-size: 16px;
242         margin-bottom: 20px;
243       }
244     }
245
246     .contact_button {
247       align-self: flex-start;
248       margin: 0;
249       margin-left: 5%;
250     }
251   }
252
253   .sort {
254     font-size: 18px;
255     justify-content: flex-start;
256   }
257
258   .portfolio {
259     margin: 60px;
260     .portfolio-imgs {
261       display: grid;
262       grid-template-columns: 1fr 1fr;
263
264       gap: 70px;
265       margin: 50px 0;
266     }
267   }
268 }
```

# HTML/CSS

<head> imports des fonts, css et favicon.

<body> squelette minimal rempli par JS.

index.html: <header>  
                  <main>

photographer.html: <header>  
                          <main>

photograph-header  
portfolio  
contact-modal  
photo-modal

Import des scripts JS.

CSS: normalize / style / photographer / modal

```
1 <!DOCTYPE html>
2 <html lang="fr">
3
4 <head>
5   <meta charset="utf-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8
9   <!-- FONTS & ICONS -->
10  <link href="https://fonts.googleapis.com/css?family=DM+Sans&display=swap" rel="stylesheet">
11  <link rel="stylesheet" href="https://pro.fontawesome.com/releases/v5.10.0/css/all.css"
12    integrity="sha384-AyMeEC3yw5cVb3ZcuHt0A93w35dYTSvhLPVnys9eStHFGJv0vKxVfELGrogkvsg+p"
13    crossorigin="anonymous" />
14
15  <!-- Favicon -->
16  <link rel="icon" href="favicon.ico" type="image/x-icon">
17
18  <!-- CSS -->
19  <link href="css/normalize.css" rel="stylesheet" type="text/css" />
20  <link href="css/style.css" rel="stylesheet" type="text/css" />
21  <title>Fisheye</title>
22 </head>
```

```
23 <body>
24   <header>
25     <a href="index.html"><img src=
26       <h2>Nos photographes</h2>
27   </header>
28
29   <main id="main">
30     <section class="photographer_s
31   </main>
32
33   <script src="./scripts/factories
34   <script src="./scripts/pages/inc
35 </body>
36
37 </html>
```

```
1 <!DOCTYPE html>
2 <html lang="fr">
3
4 <head>
5
6 </head>
7
8 <body>
9
10  <header>
11    <a href="index.html"></a>
12  </header>
13
14  <main id="main">
15    <div class="photograph-header" aria-label="infos du photographe">
16      <button class="contact_button">Contactez-moi</button>
17    </div>
18
19    <div class="bgtransp" aria-label="arrière plan transparent de modale">
20    </div>
21
22    <section class="portfolio">...
23  </section>
24
25    <div id="contact_modal" aria-label="modale de contact" tabindex="0">...
26  </div>
27
28    <div id="photo_modal" aria-label="modale de média" tabindex="0">...
29  </div>
30
31  </main>
32
33  <script src="./scripts/factories/photographer.js"></script>
34  <script src="./scripts/pages/photographer.js"></script>
35  <script src="./scripts/factories/photos.js"></script>
36  <script src="./scripts/utlis/modals.js"></script>
37
38 </body>
39
40 </html>
```

# Javascript

Vue d'ensemble

BDD simulée par JSON.

## Factories:

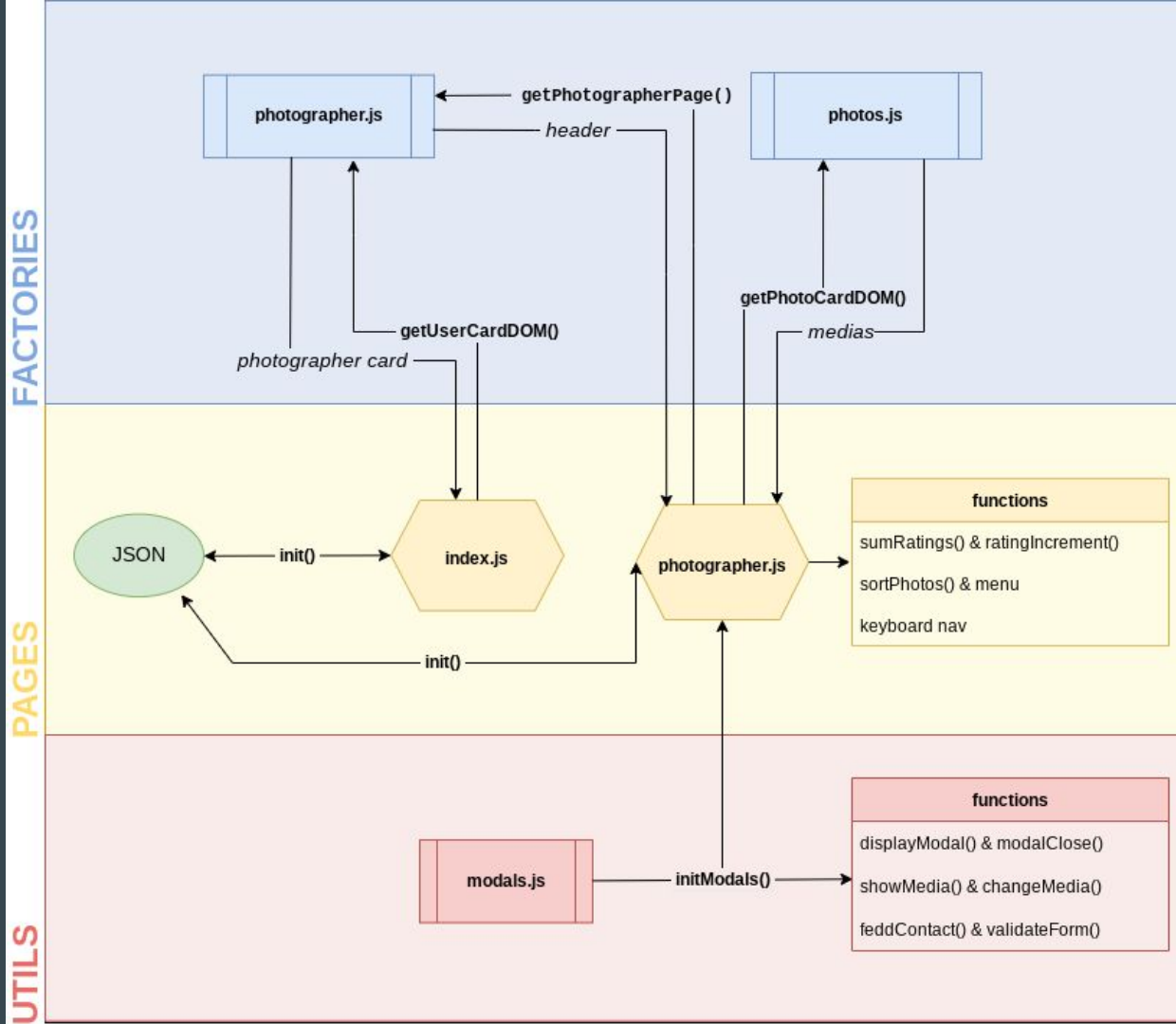
Création des modules du DOM .

## Pages:

Initialisation des pages & fonctions liées aux pages.

## Utils:

Initialisation des modales & fonctions liées aux modales.



# Javascript

## Pattern Factory Design

### JS pages:

Récupération des données  
JSON, envoi à factories puis  
réception et injection des  
éléments DOM.



### JS factories:

Traitement des données et  
création d'éléments DOM.  
Les éléments sont renvoyés par  
module.  
Emploi des datasets pour  
préserver les données.

```
41 // DISPLAY DATAS
42 // photograph-header
43 function displayData(photographer, profile) {
44     const photographerModel = photographerFactory(photographer, profile);
45     const [headerText, headerImg] = photographerModel.getPhotographerPage();
46     header.insertBefore(headerText, header.firstChild);
47     header.appendChild(headerImg);
48 }
49
50 // portfolio photos
51 function displayPhotos(name, photos) {
52     photos.forEach(photo => {
53         const photoModel = photosFactory(name, photo);
54         const photoCardDOM = photoModel.getPhotoCardDOM();
55         portfolioImgs.appendChild(photoCardDOM);
56     })
57 }
58
59 // INIT
60 async function init() {
61     // Get photographers data
62     photographers = await getPhotographers()
63     // Get ID || SET default ID if direct access
64     let idRequested = window.location.href.split('&id=')[1];
65     if (!idRequested) {
66         idRequested = 243;
67     }
68     // Get right photographer datas
69     [photographer] = await photographers.filter(p => p.id === idRequested);
70     // Get photographer profile
71     const profiles = await getProfiles();
72     [profile] = profiles.filter(profile => profile.id === idRequested);
73     displayData(photographer, profile);
74
75     // Get PHOTOS datas
76     photos = await getPhotos();
77     // Get PHOTOS for right photographer
78     photos = photos.filter(photo => photo.photographer === photographer.id);
79     // SORT PHOTOS (default = 'Popularité')
80     sortMedia();
81     // Feed COUNTER of Likes
82     rating.innerHTML = sumRatings();
83     price.innerHTML = `${photographer.price}€`;
84 };
85
86
87 init();
88
1 function photographerFactory(data, profile) {
2     const { name, id, city, country, tagline, price, portrait } = data;
3     const firstname = name.split(' ')[0];
4     const picture = `assets/photos/${firstname}/${profile.image}`;
5
6     // PHOTOGRAPHER CARD ON INDEX
7     function getUserCardDOM() {
8         const article = document.createElement('article');
9
10        // ARTICLE ICONE + NAME
11        const link = document.createElement('a');
12        const divImg = document.createElement('div');
13        const h1 = document.createElement('h1');
14        link.href = `./photographer.html?id=${id}`;
15
16        divImg.className = 'photo-profile';
17        divImg.ariaLabel = 'vignette de ' + name;
18        divImg.style.background = `#FAFAFA url(${picture}) no-repeat`;
19        divImg.style['background-size'] = 'cover';
20        divImg.setAttribute('alt', name); // WCAG: accessibility
21        // CLONE divImg
22        const shadow = divImg.cloneNode(true);
23        shadow.className = 'shadow';
24
25        h1.textContent = name;
26        link.appendChild(shadow);
27        link.appendChild(divImg);
28        link.appendChild(h1);
29        // INSERT shadow as divImg::after
30        //divImg.before(shadow);
31
32        // ARTICLE INFOS
33        const address = document.createElement('address');
34        const blockquote = document.createElement('blockquote');
35        const data = document.createElement('data');
36        address.innerText = `${city}, ${country}`; // WCAG
37        blockquote.innerText = `${tagline}`; // WCAG
38        data.innerText = `${price}€/jour`;
39        data.value = price; // WCAG
40
41        // BUILD ARTICLE
42        const elements = [link, address, blockquote, data];
43        elements.forEach(element => article.appendChild(element));
44
45        return article;
46    }
47 }
```



# Accessibilité

Balises sémantiques privilégiées.

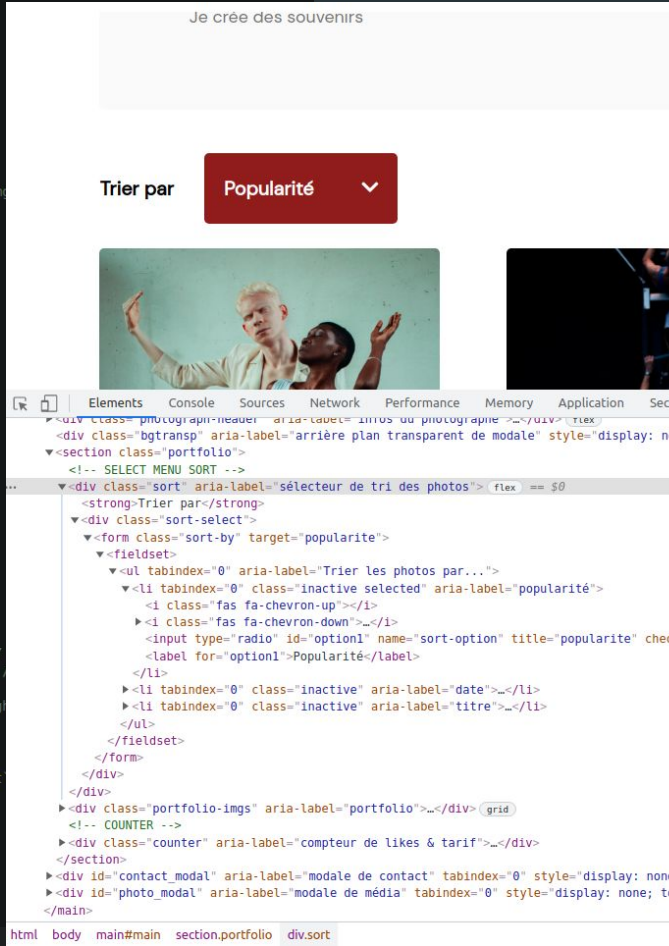
'alt' pour chaque image.

'aria-label' sur les balises non sémantiques.

'tabindex' pour les éléments navigables avec TAB et qui ne sont pas des liens.

Implémentation des fonctions d'usage des touches fléchées et ENTER pour les modales.

```
25 function getPhotoCardDOM() {
26   // CREATE ELEMENTS
27   const article = document.createElement('article');
28   const imgDiv = document.createElement('div');
29   const videoDiv = document.createElement('video');
30   const canvas = document.createElement('canvas');
31   const ctx = canvas.getContext('2d');
32   const h3 = document.createElement('h3');
33   const articleRating = document.createElement('span');
34
35   // ADDEVENTLISTENER ON IMG
36   const dataImg = {
37     'mediaType': mediaType,
38     'media': media,
39     'title': title,
40     'image': image,
41     'video': video
42   }
43   Object.keys(dataImg).forEach(key => imgDiv.dataset[key] = dataImg[key]);
44   // bind with PointerEvent to identify media to display
45   imgDiv.addEventListener('click', showMedia.bind(imgDiv));
46
47   // MAKE IMG
48   if (mediaType === 'image') {
49     // PLACE IMG TO ARTICLE
50     imgDiv.style.background = `#ccc url(${media}) no-repeat`;
51     imgDiv.style['background-size'] = 'cover';
52     imgDiv.className = 'photo';
53     imgDiv.id = mediaType;
54     imgDiv.title = image;
55   } else {
56     // BUILD VIDEO
57     videoDiv.src = media;
58     videoDiv.type = 'video/mp4';
59     videoDiv.currentTime = 1;
60     // BUILD CANVAS
61     videoDiv.onloadedmetadata = () => {
62       canvas.width = videoDiv.videoWidth;
63       canvas.height = videoDiv.videoHeight;
64       canvas.ratio = videoDiv.videoWidth / videoDiv.videoHeight;
65     }
66     // oncanplay
67     videoDiv.oncanplay = () => {
68       // CENTER CANVAS POS & SNAP TO videoImage
69       let xPos = canvas.width > canvas.height ? canvas.width / 2 : canvas.height / 2;
70       let yPos = canvas.width < canvas.height ? canvas.height / 2 : canvas.width / 2;
71       ctx.fillRect(xPos, yPos, canvas.width, canvas.height);
72       ctx.drawImage(videoDiv, xPos, yPos, canvas.width, canvas.height);
73       let videoImage = canvas.toDataURL('image/png');
74       // MAKE PREVIEW VIDEO FROM CANVAS TO ARTICLE
75       imgDiv.innerHTML = `<i class="fas fa-play-circle"></i>`;
76       imgDiv.style.background = `#ccc url(${videoImage}) no-repeat`;
77       imgDiv.style['background-size'] = 'cover';
78       imgDiv.className = 'photo';
79       imgDiv.id = mediaType;
80       imgDiv.title = video;
81     }
82   }
83   imgDiv.setAttribute('alt', title); // WCAG
84   imgDiv.ariaLabel = title; // WCAG
85   imgDiv.tabIndex = '0';
```



# Le versioning GitHub

Fork du repo fourni.

Respect du format de  
nommage du repo.

Commits réguliers et  
commentés.

Hébergement sur Pages  
(Github).

The screenshot displays a GitHub repository interface. At the top, the repository name is 'Peanuts-83 / ThomasRanque\_6\_24012022' with a 'Public' label. Below the navigation bar, the repository is noted as being forked from 'OpenClassrooms-Student-Center/Front-End-Fisheye'. The main content area is divided into two sections: a file explorer on the left and a commit history on the right. The file explorer shows a list of files including 'assets', 'css', 'data', 'scripts', 'README.md', 'favicon.ico', 'index.html', and 'photographer.html'. The commit history on the right shows a list of commits with their respective messages, timestamps, and commit hashes. The commits are grouped by date, with the most recent group being 'Commits on Feb 16, 2022'. The commit messages include 'code cleaning', 'video play/pause fixed', 'contactModal XS-screens', 'counter z-index modified', and 'select menu fixed for keyboard & mouse events'. The commit hashes are displayed next to each commit message.

**Repository: Peanuts-83 / ThomasRanque\_6\_24012022** (Public)  
forked from OpenClassrooms-Student-Center/Front-End-Fisheye

**Files:**

- assets: play icon on videoSnaps & correction files or json (17 days ago)
- css: contactModal XS-screens (1 hour ago)
- data: change photographer profile with PROFILES.JSON (22 days ago)
- scripts: code cleaning (19 minutes ago)
- README.md: add html + css + edit json (4 months ago)
- favicon.ico
- index.html
- photographer.html

**Commits:**

**Commits on Feb 16, 2022**

- code cleaning**  
Peanuts-83 committed 19 minutes ago ✓  
65c86cd
- video play/pause fixed**  
Peanuts-83 committed 1 hour ago ✓  
d7ca75d
- contactModal XS-screens**  
Peanuts-83 committed 1 hour ago ✓  
d1ca6ad
- counter z-index modified**  
Peanuts-83 committed 2 hours ago ✓  
8798d56
- select menu fixed for keyboard & mouse events**  
Peanuts-83 committed 2 hours ago ✓  
d2d59f3

**Commits on Feb 15, 2022**

- modals behaviors & focus ok**  
Peanuts-83 committed yesterday  
a5c535a
- keyboardNav contact focus ok**  
Peanuts-83 committed yesterday  
2ef1fb2

**Commits on Feb 14, 2022**

- Chrome canvas fixed with video frame 1 access**  
Peanuts-83 committed 2 days ago ✓  
76c8065
- photoProfile fixed & keyboard nav better**  
Peanuts-83 committed 2 days ago  
9bfce7b



# Validations

Rigueur dans la structure des répertoire et la séparation des fichiers HTML/CSS/JS.

Commentaires dans les fichiers HTML/CSS/JS.

Valideurs W3C.

Valideurs WCAG.

## Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

### Showing results for uploaded file index.html

Checker Input

Show ☐ source ☐ outline ☐ image report [Options...](#)

Check by [file upload](#) [Choisir un fichier](#) Aucun fichier choisi

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check](#)

Document checking completed. 1

Used the HTML parser.

Total execution time 64 milliseconds.

[About this checker](#) • [Report an issue](#)



## Service de validation CSS du W3C

Résultats de la validation W3C CSS de section.css (CSS niveau 3 + SVG)

Aller à: [Avertissements \(5\)](#) [CSS valide](#)

### Résultats de la validation W3C CSS de section.css (CSS niveau 3 + SVG)

#### Félicitations ! Aucune erreur trouvée.

Ce document est valide conformément à la recommandation [CSS niveau 3 + SVG](#) !

Pour montrer à vos lecteurs votre souci d'interopérabilité lors de la création de cette page Web, vous pouvez afficher cette icône sur toutes les pages valides. Voici le fragment de XHTML que vous pouvez utiliser pour ajouter cette icône à votre page Web:



```
<p>  
<a href="http://jigsaw.w3.org/css-validator/check/referer">  
    
</a>  
</p>
```



```
<p>  
<a href="http://jigsaw.w3.org/css-validator/check/referer">  
    
</a>  
</p>
```

(fermez le tag img avec > au lieu de /> si vous utilisez HTML <= 4.01)



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Si vous le désirez, vous pouvez télécharger une copie de cette image dans votre répertoire Web local, et changer le fragment d'HTML décrit ci-dessus pour référencer le nouvel emplacement de celle-ci.

# Rendu visuel du projet

& tests de navigation au clavier

Fish📷ye

Nos photographes



**Mimi Keel**

London, UK  
Voir le beau dans le quotidien  
400€/jour



**Ellie-Rose Wilkens**

Paris, France  
Capturer des compositions complexes  
250€/jour



**Tracy Galindo**

Montreal, Canada  
Photographe freelance  
500€/jour



**Nabeel Bradford**

Mexico City, Mexico  
Toujours aller de l'avant  
350€/jour



**Rhode Dubois**

Barcelona, Spain  
Je crée des souvenirs  
275€/jour



**Marcel Nikolic**

Berlin, Germany  
Toujours à la recherche de LA photo  
300€/jour