Bootstrap comme *framework front-end*

https://getbootstrap.com - http://fontawesome.io/

Bootstrap

Version 4, développée par *Twitter*

http://getbootstrap.com/docs/4.0/getting-started/introduction/

```
<!doctype html>
<html lang="en">
  <head>
    <title>Hello, world!</title>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
    shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="./css/bootstrap.min.css">
  </head>
  <body>
    <!-- JavaScript Optionnel -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="./js/popper.3.2.1.slim.min.js" type="text/javascript"></script>
    <script src="./js/popper.1.12.3.min.js" type="text/javascript"></script>
    <script src="./js/bootstrap.min.js" type="text/javascript"></script>
  </body>
</html>
```

Bootstrap : le système de layout et de grille

2 types de conteneur/d'agencements :

- fluide : pour chaque pixel d'aggrandissement de la fenêtre, les éléments s'adaptent.
- fixe : à certaines tailles de fenêtre (576px, 768px, 992px, 1200px et +), la taille du conteneur change

Un système de colonnes

- Une division de l'espace en 12 colonnes
- Une goutière de 30 px
  - 15 à droite de la colonne de gauche
  - 15 à gauche de la colonne de droite

Quelques exemples d'éléments pratiques

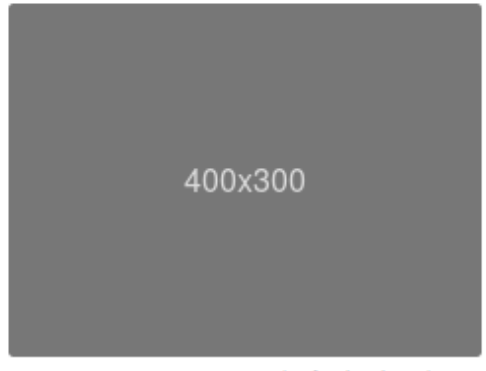
Les tables : la classe `.table` et l'option `.table-bordered`

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Mark	Otto	@TwBootstrap
3	Jacob	Thornton	@fat
4	Larry the Bird		@twitter

```
<table class="table table-bordered">
  <thead>
    <tr>
      <th scope="col">#</th>
      <th scope="col">First Name</th>
      <th scope="col">Last Name</th>
      <th scope="col">Username</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">1</th>
```

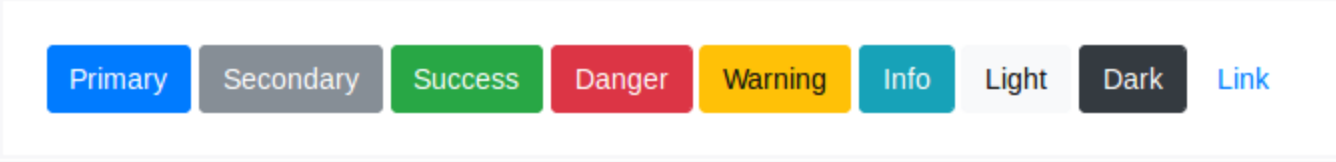
Les figures

```
<figure class="figure">
  <img
    src="..."
    class="figure-img img-fluid rounded"
        alt="A generic square" />
  <figcaption
    class="figure-caption text-right">
    A caption for the above image.
  </figcaption>
</figure>
```



A caption for the above image.

Les boutons

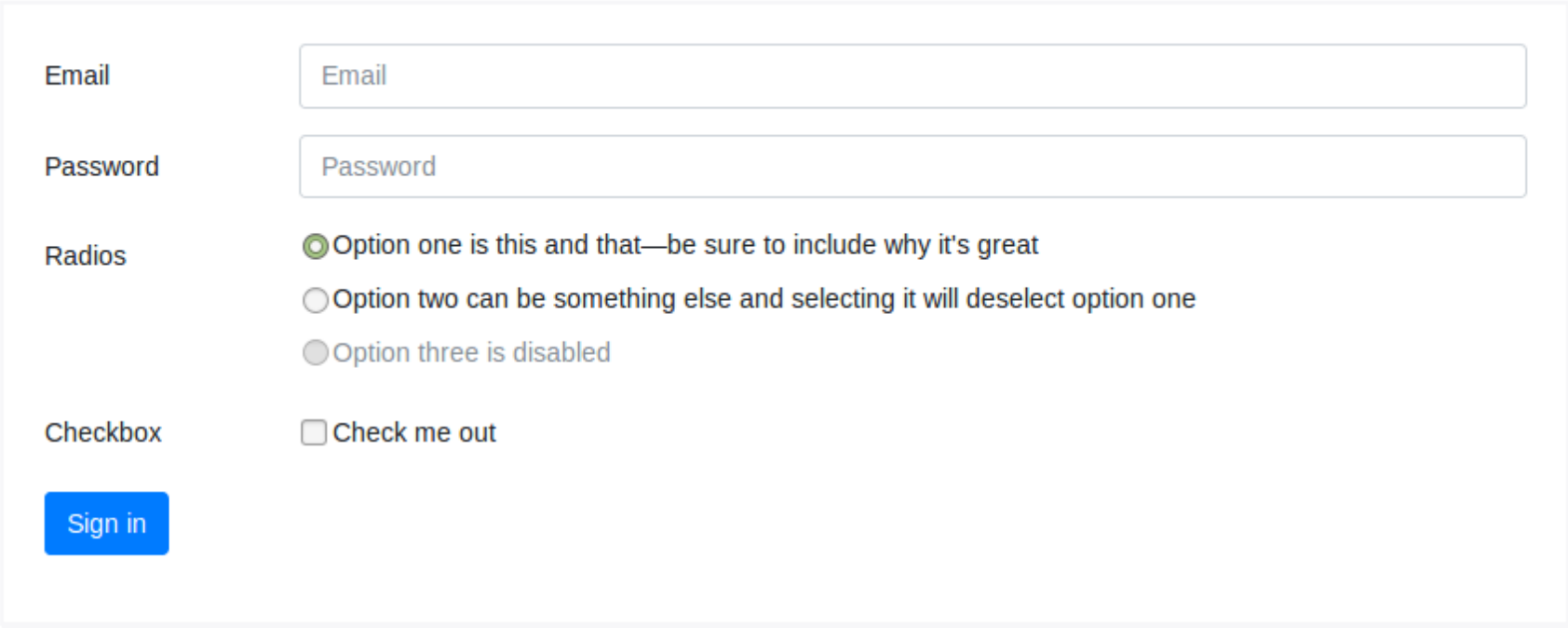



```
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>
```

Les formulaires

https://getbootstrap.com/docs/4.0/components/forms/

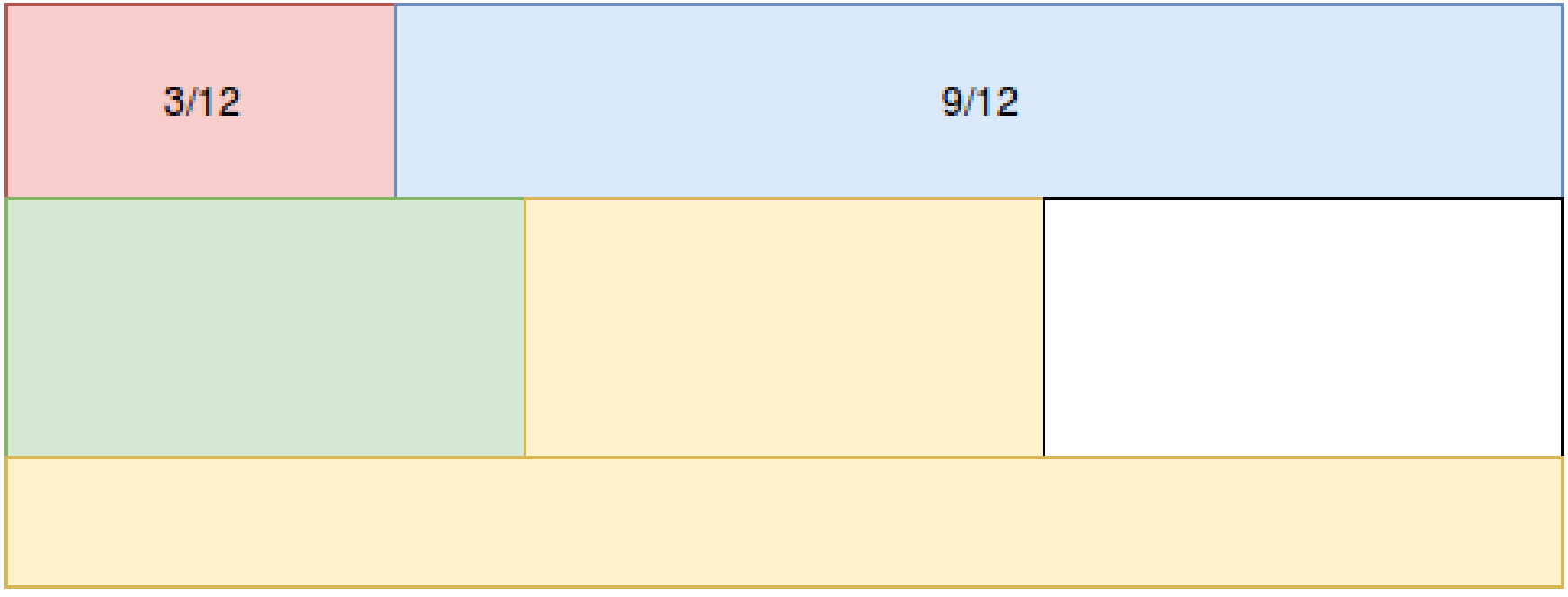


Copy

```
<form>
  <div class="form-group row">
    <label for="inputEmail3" class="col-sm-2 col-form-label">Email</label>
    <div class="col-sm-10">
      <input type="email" class="form-control" id="inputEmail3" placeholder="Email">
    </div>
  </div>
```

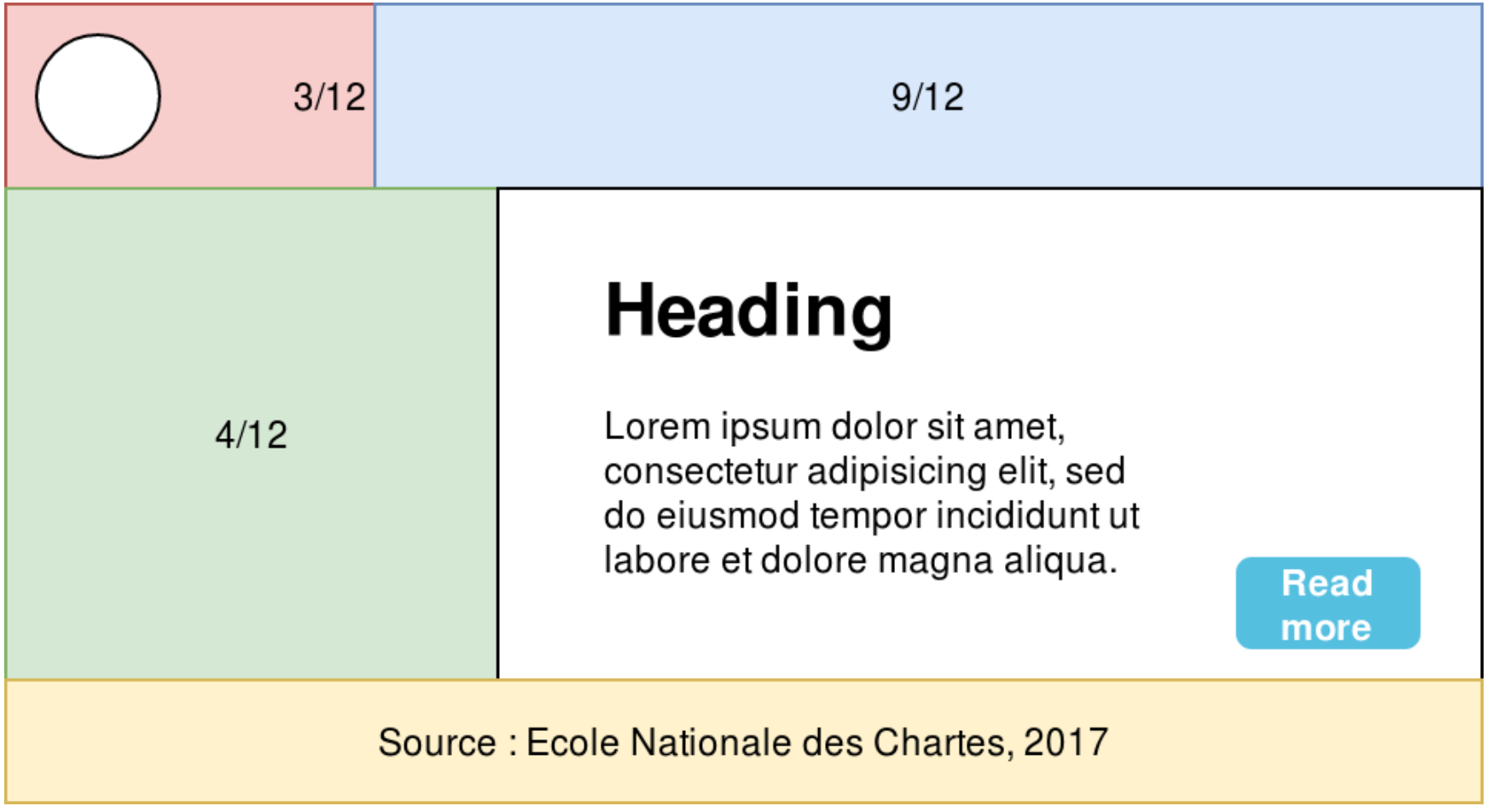
Exercice 1 (Exemple de réalisation) :

Réaliser un ensemble fixe 2 puis 3 colonnes puis 1 colonne tel que suit :



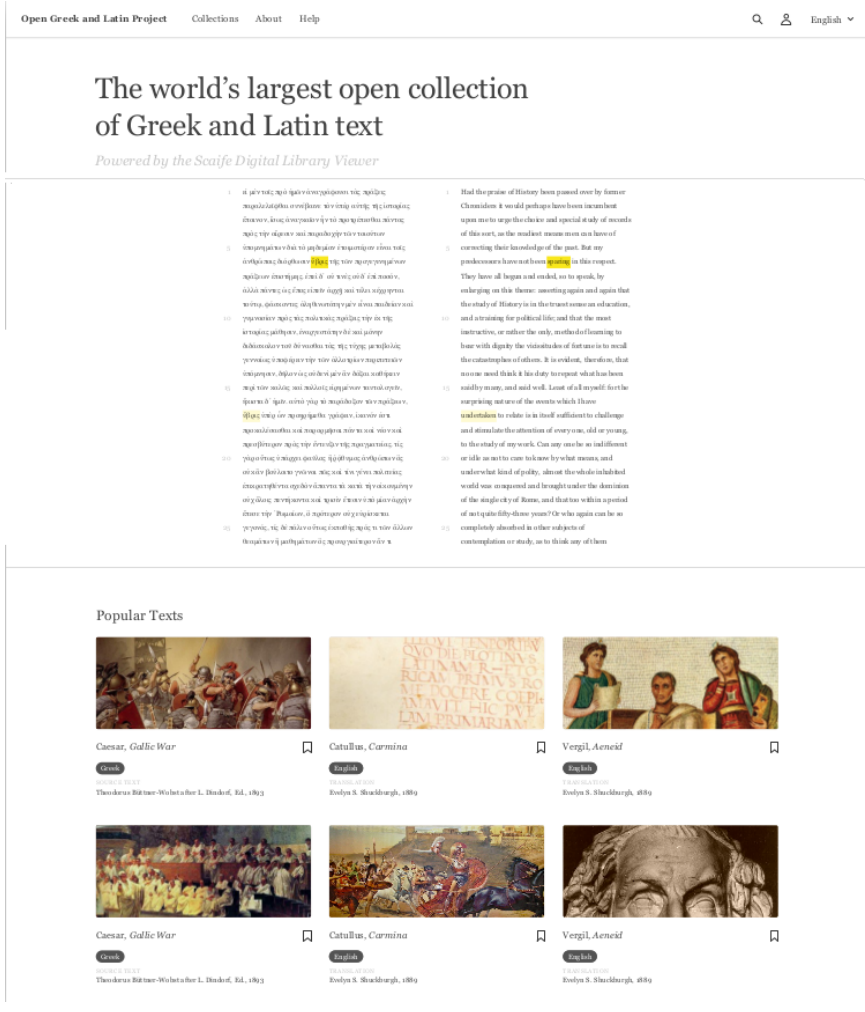
Exercice 2 :

Image ronde à partir de https://github.com/PonteIneptique/cours-css-framework/blob/master/images/ex2_image.png

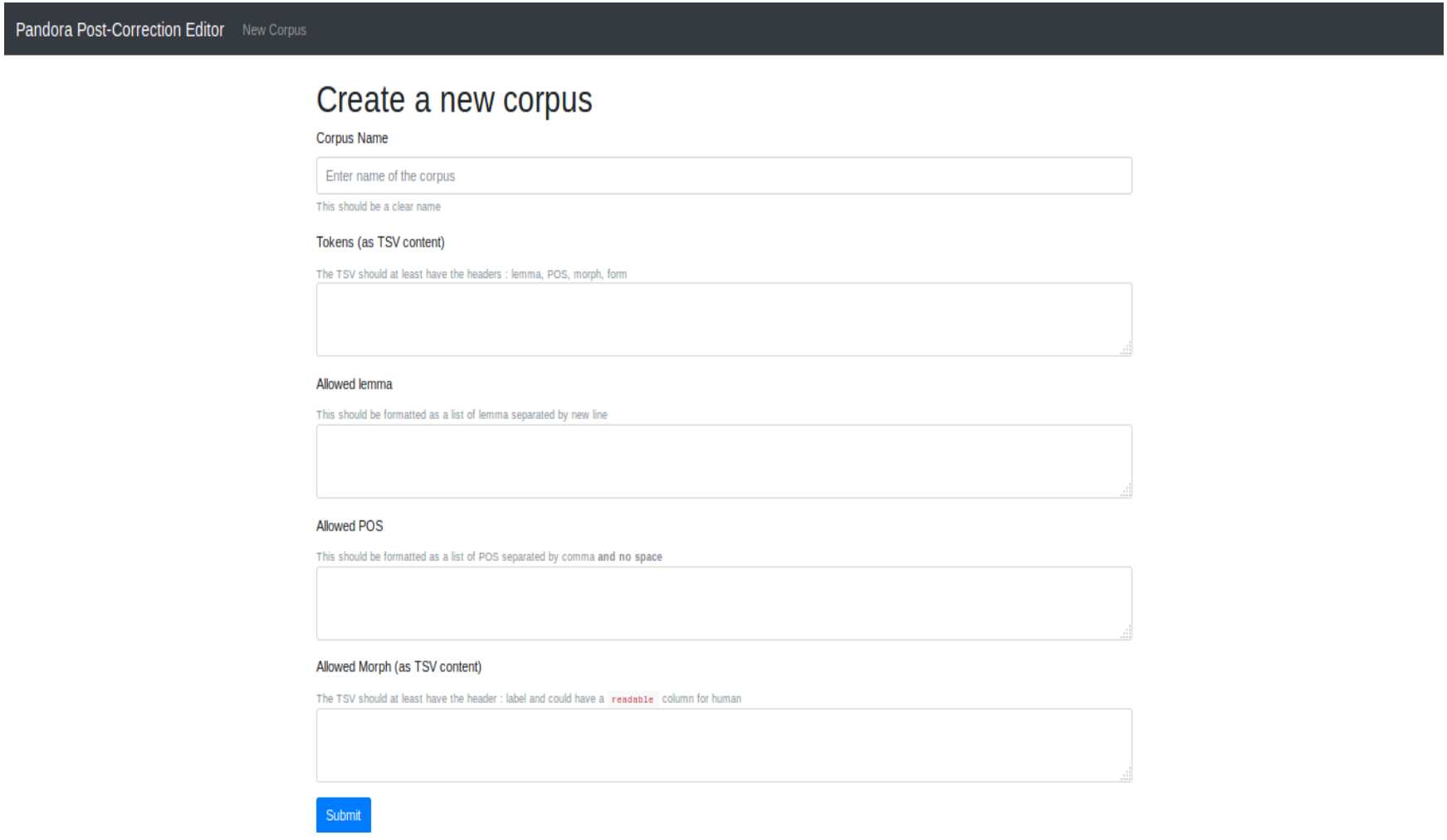


Exercice 3

github.com/PonteIneptique/cours-css-framework/blob/master/images/ex3.png



Exercice 4


Pandora Post-Correction Editor
New Corpus
Create a new corpus
Corpus Name
Enter name of the corpus
This should be a clear name
Tokens (as TSV content)
The TSV should at least have the headers : lemma, POS, morph, form
Allowed lemma
This should be formatted as a list of lemma separated by new line
Allowed POS
This should be formatted as a list of POS separated by comma and no space
Allowed Morph (as TSV content)
The TSV should at least have the header : label and could have a readable column for human
Submit

Exercice 5

Pandora Post-Correction Editor Home New Corpus SBath

Corpus SBath - List of tokens

1 2 3 4 5 ... 111 112

Form	Lemma	POS	Morph	Context	Save
Ch'	ce1	PROdem	_	Ch' est le	Save
est	être1	VERcjg	_	Ch' est le vie	Save
le	le	DETdef	_	Ch' est le vie de	Save
vie	vie	NOMcom	_	Ch' est le vie de sainte	Save
de	de	PRE	_	est le vie de sainte Baltelt	Save
sainte	sainte	ADJqua	_	le vie de sainte Baltelt roine	Save
Baltelt	Bathilde	NOMpro	_	vie de sainte Baltelt roine .	Save
roine	reine	NOMcom	_	de sainte Baltelt roine . Beneois	Save
.	.	PONfrt	_	sainte Baltelt roine . Beneois soit	Save
Beneois	bénir	VERppe	_	Baltelt roine . Beneois soit Nostres	Save