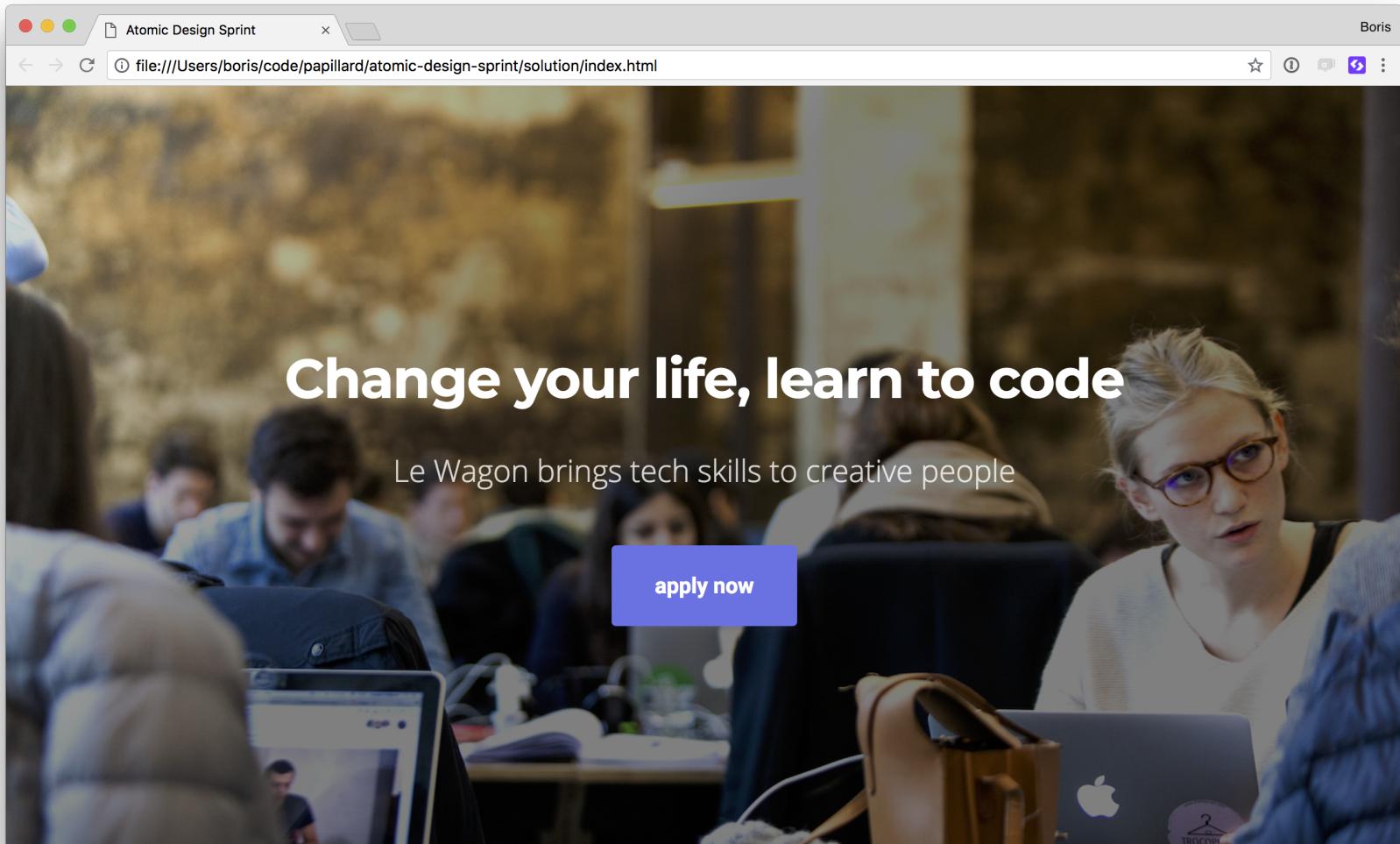


Atomic Design Sprint

5th July, Le Wagon Paris

Today's objective

Code and design **your CSS library**



Getting started

Download the sprint material on [Github](#)

The screenshot shows a GitHub repository page for 'Papillard/atomic-design-sprint'. The repository has 2 commits, 1 branch, 0 releases, and 1 contributor. It contains files named 'boilerplate' and 'solution'. A message encourages adding a README.

Papillard / atomic-design-sprint

No description, website, or topics provided.

Branch: master ▾ New pull request

2 commits 1 branch 0 releases 1 contributor

Papillard first boilerplate
boilerplate
solution

first boilerplate
first boilerplate

Latest commit 794dbb3 2 minutes ago

2 minutes ago
2 minutes ago

Help people interested in this repository understand your project by adding a README.

Add a README

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Contact GitHub API Training Shop Blog About

<https://github.com/Papillard/atomic-design-sprint/issues>

Outline

1. Atomic Design 101
2. Organising your CSS: simple components
3. Advanced components with flexbox
4. Building grids with flexbox
5. Pushing on Github

1. Atomic Design 101

General knowledge about UI design

Why Atomic Design?

Atoms Molecules / Components Organisms

The diagram illustrates the three levels of atomic design:

- Atoms:** A small square placeholder icon.
- Molecules / Components:** A card for a user profile. It includes a photo, the name "Ron Swanson", the email "ron@pawnee-city.com", the phone number "01 23 45 67 89", and a "ENVOYER UN MESSAGE" button.
- Organisms:** A list of user profiles. Each profile card includes a photo, the name, email, phone number, and a "ENVOYER UN MESSAGE" button. The profiles listed are Ron Swanson, Leslie Knope, Tom Haverford, and April Ludgate.

Sub Heading large Current text

Atoms & Components

Which ones do you know?

Images



Avatar



Thumbnail

Buttons

Start now

Twitter

SIGN UP

Google

Write a story

Medium

Free trial

treehouse

Forms

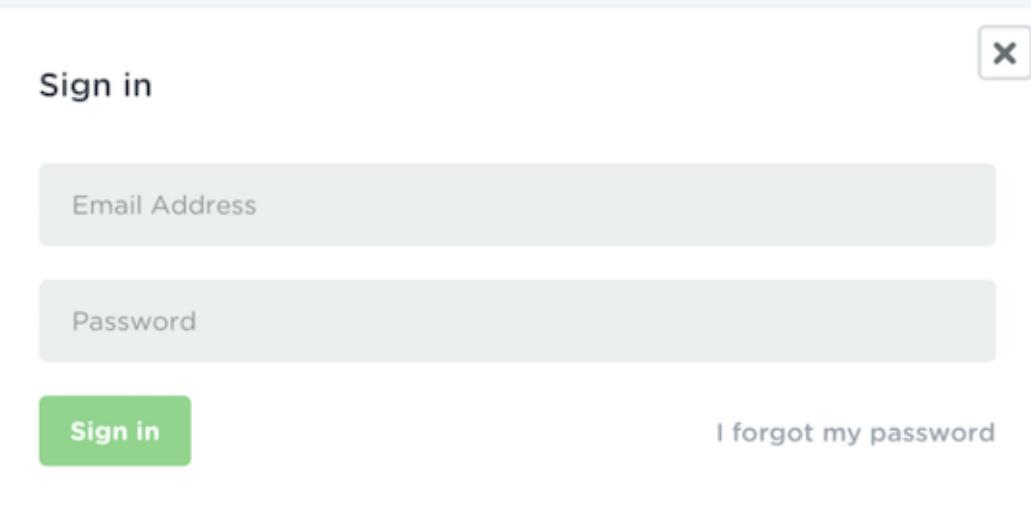
Login form (treehouse)

Sign in X

Email Address

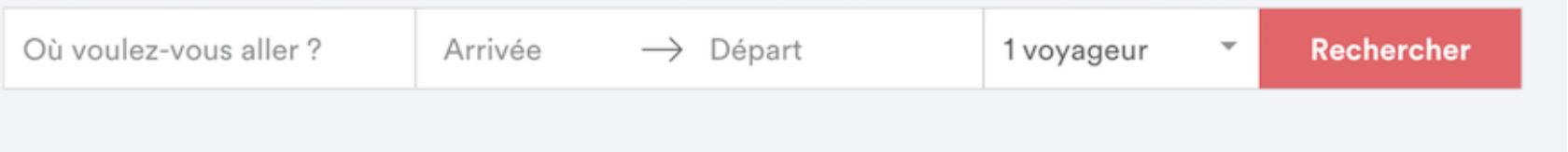
Password

[Sign in](#) [I forgot my password](#)



Search form (airbnb)

Où voulez-vous aller ? Arrivée → Départ 1 voyageur Rechercher



Tabs

Medium

STAFF PICKS TOP STORIES BOOKMARKS

ProductHunt

6,418
Upvoted

509
Submitted

35
Made

27
Collections

23,346
Followers

1,413
Following

Twitter

TWEETS
4 021

ABONNEMENTS
1 783

ABONNÉS
3 972

AIMÉS
5 218

LISTES
10

Navbars

Medium



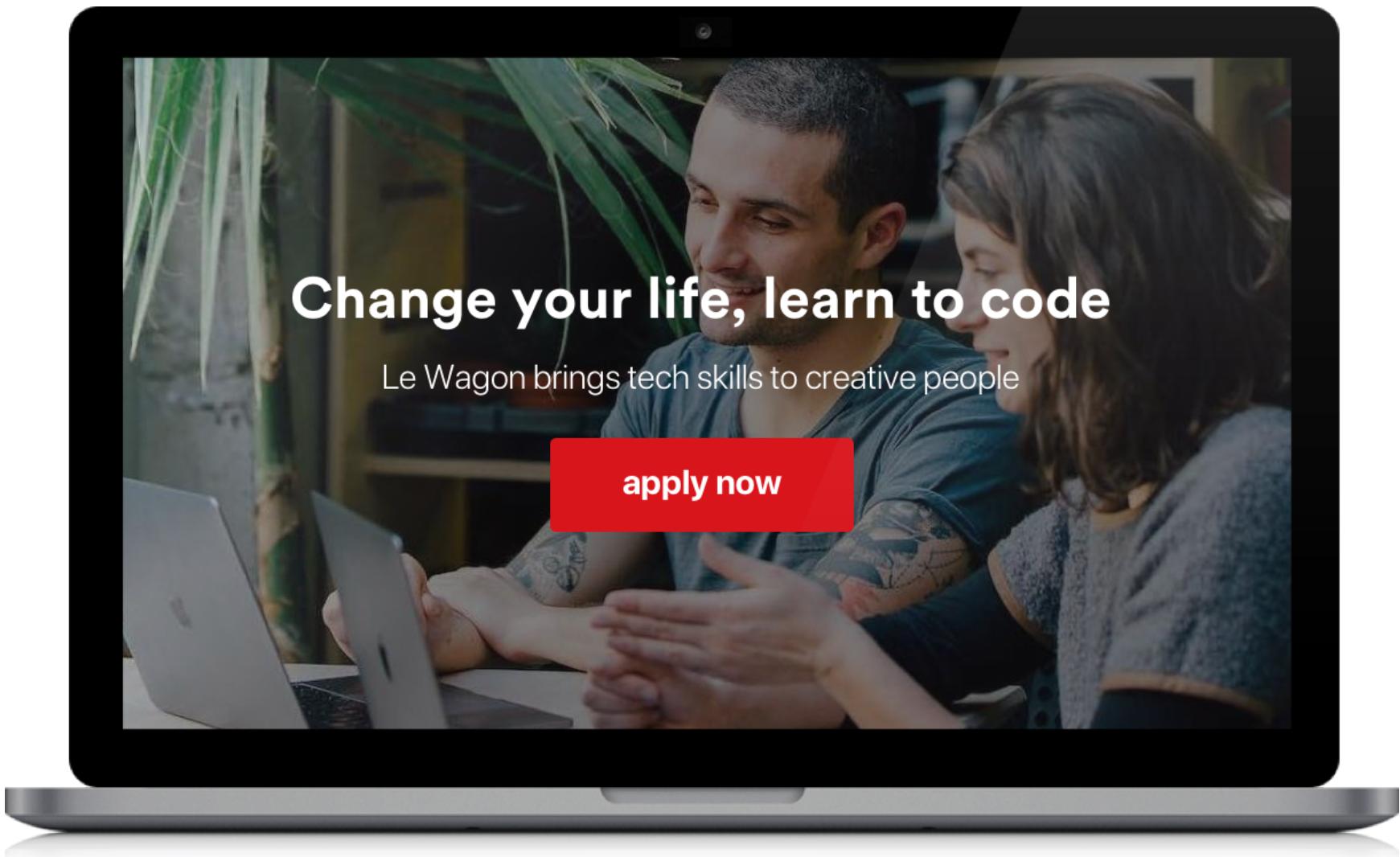
Twitter



Github



Banners / Hero sections



The image shows a laptop screen displaying a promotional banner for Le Wagon. The banner features a photograph of a man and a woman sitting at a desk, looking at a laptop together. The man has tattoos on his arms. Overlaid on the image is white text: "Change your life, learn to code" in a large, bold font, followed by a smaller line of text: "Le Wagon brings tech skills to creative people". A red button with the white text "apply now" is positioned in the lower right area of the banner. The laptop is shown from a top-down perspective, resting on a white surface.

Change your life, learn to code

Le Wagon brings tech skills to creative people

apply now

Cards

The image displays a grid of six cards from the Dribbble platform, showcasing various design projects:

- Operator** by Operator: A collection of small potted plants arranged in two rows.
- Justas Galaburda** by Justas Galaburda: An illustration titled "HOW TO ACHIEVE MORE IN 2016" featuring a red book with the number 16, a blue folder, and a notepad.
- Joe White** by Joe White: A logo for "THE FIKA COMPANY COFFEE ROASTERY" featuring a bear silhouette.
- Goutham** by Goutham: A purple calendar interface for January.
- Dann Petty** by Dann Petty: A screenshot of a mobile application interface showing a navigation bar and a list of items.
- Studio-JQ** by Studio-JQ: A circular graphic with a central image and data points, including "442,116" and "Alta, Utah — PAF: 97.8".

Dribbble example

Cards



90 € ⚡

Superbe gîte à Rome
Logement entier · ★★★★★ · 213 commentaires



69 € ⚡

Colosseo, Hidden Gem
Logement entier · ★★★★★ · 105 commentaires



90 €

Chic Artist's Loft in Rome Center
Logement entier · ★★★★★ · 112 commentaires



57 € ⚡

Penthouse Tiburtina Station Center
Logement entier · ★★★★★ · 89 commentaires

Airbnb example

Messages

	Mario Jul 11	<ul style="list-style-type: none">● Hello Mario, I know my request was a bit last minute but do... <p>Berlin, Berlin, Germany (Jul 11 - 18, 2017)</p>	Expired €757.21
	Antje Jul 05	<ul style="list-style-type: none">● Sorry, I will need the Appartement until 12 July <p>Berlin, Berlin, Germany (Jul 10 - 18, 2017)</p>	Declined €1014
	Airbnb Help Jun 26	Pour obtenir rapidement une réponse à toutes vos questions, qu'el...	Expired
	Adrienn Jun 10	Dear Custumers, Finaly my family dicedit they will rent Villla Li... Sant Antoni de Portmany, Illes Balears, Spain (Jul 7 - 9, 2017)	Declined €2519
	Davide May 15	<ul style="list-style-type: none">● sorry we rent minimum 5 days , free from 8 thanks <p>Santa Gertrudis de Fruitera, Illes Balears, Spain (Jul 7 - 9, 2017)</p>	Declined €2272

Airbnb example

Dropdown Lists

The image shows a screenshot of the Medium app's user interface. At the top, there is a search bar with the placeholder "Search Medium" and a magnifying glass icon. To its right is a button labeled "Write a story". Further right is a circular profile icon containing a small portrait of a person, with a green notification badge in the top right corner showing the number "4". A vertical dropdown menu is open from the profile icon, listing several options: "New story", "Import story", "Drafts and stories", "Stats", and "Publications". Below this section is another horizontal line, followed by more menu items: "Profile", "Settings", and "Sign out".

- New story
- Import story
- Drafts and stories
- Stats
- Publications
- Profile
- Settings
- Sign out

Good news

10 components make 90% of any app's UI

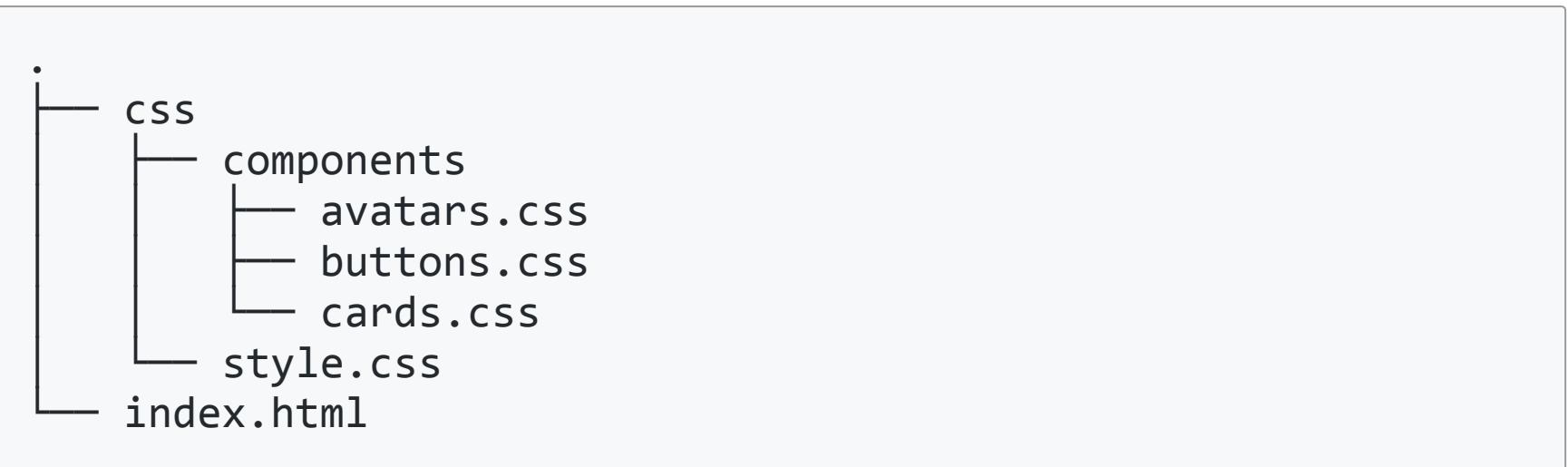
This is UI Designers' hidden secret.

2. Organising your CSS

Let's code our first components

Organise CSS by components

- Last time: one file `style.css`
- Today: **one file per component**



One master stylesheet `style.css`

`style.css` imports all other stylesheets

```
/* --- Import Google Fonts --- */
@import url("http://fonts.googleapis.com/css?family=Open+Sans:400,700");

/* --- Import components files --- */
@import url("components/avatars.css");
@import url("components/buttons.css");

/* --- Basic styles for fonts & colors --- */
body {
    font-family: "Open Sans", "Helvetica", "sans-serif";
    background: #F7F9FC;
}
h1, h2, h3 {
    font-family: "Montserrat", "sans-serif";
}
```

And then in `index.html`

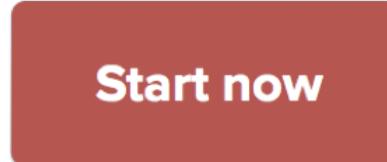
```
<link rel="stylesheet" href="css/style.css">
```

Sprint #1 (15 minutes)

- Take your time to understand the `boilerplate`
- Let's live code `avatars` and `buttons`



Avatar



Button

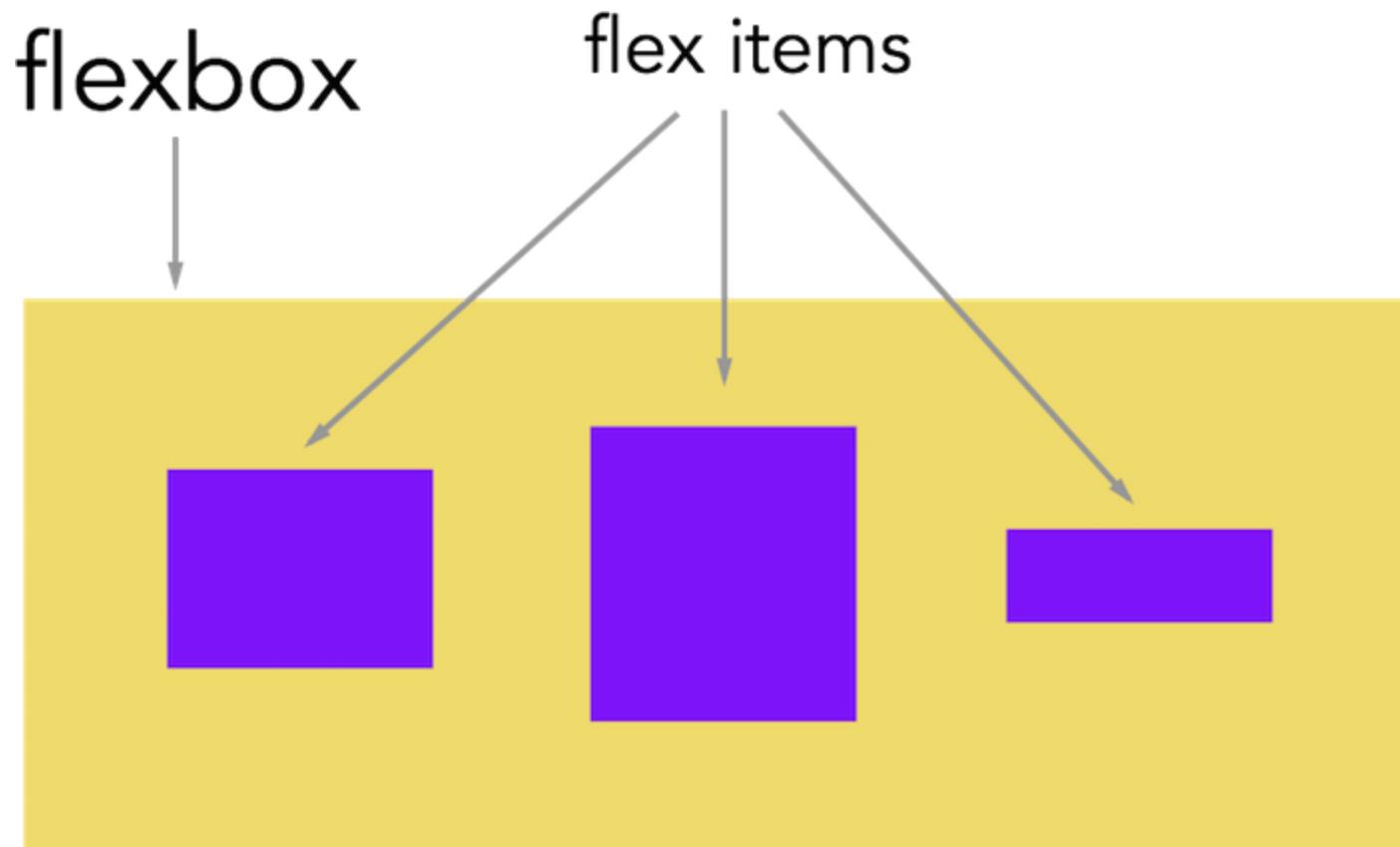
3. Advanced components with flexbox

Now we're talking.

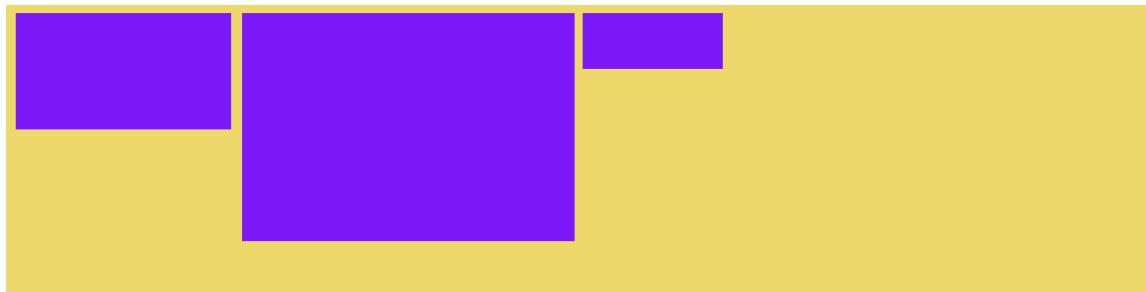
**95% of web components are designed
with flexbox**

It's the ultimate CSS technique!

Flexbox Vocabulary

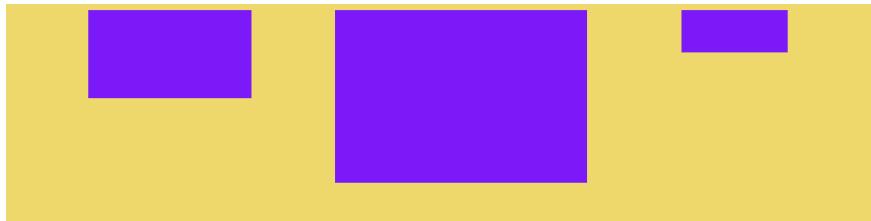


Flexbox - Basics



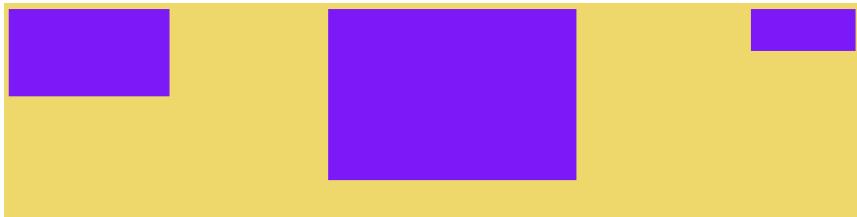
```
.flexbox {  
  display: flex;  
}
```

Flexbox - space around



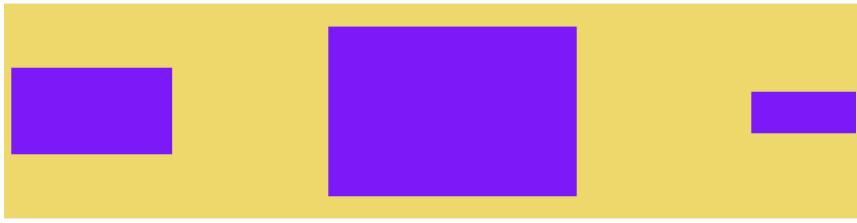
```
.flexbox {  
  display: flex;  
  justify-content: space-around;  
}
```

Flexbox - space between



```
.flexbox {  
  display: flex;  
  justify-content: space-between;  
}
```

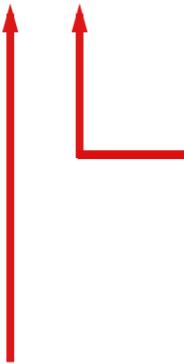
Flexbox - align items



```
.flexbox {  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
}
```

Flexbox - item's behavior

```
.flex-item {  
  flex: X X 200px;  
}
```



flex-shrink: can I shrink?

flex-grow: can I grow?

Flexbox - flex-grow example

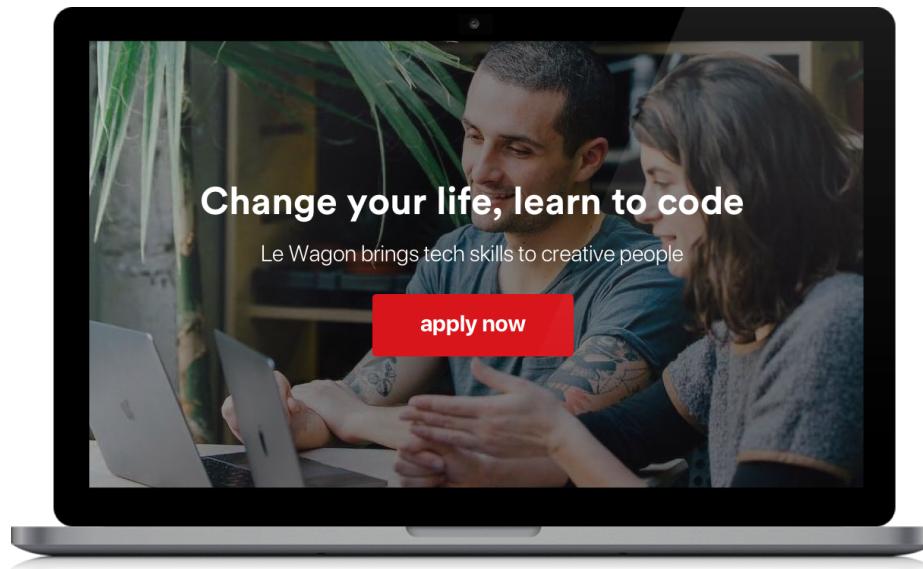


```
.flexbox {  
  display: flex;  
  align-items: center;  
}  
.flex-item {  
  flex: 0 0 20%;  
}  
.flex-body {  
  flex: 1 0 auto;  
}
```



```
<div class="badge">  
  3  
</div>
```

```
.badge {  
  background: #25AE88;  
  width: 50px;  
  height: 50px;  
  display: flex;  
  justify-content: space-around;  
  align-items: center;  
}
```



```
<div class="banner">
  <div class="banner-content">
    <h1>Change your life, learn to code</h1>
    <p>Le Wagon brings tech skills to creative people</p>
    <a href="/apply">apply now</a>
  </div>
</div>
```

```
.banner {
  height: 100vh;
  display: flex;
  justify-content: space-around;
  align-items: center;
}
```



Sebastien Saunier

CTO @Le Wagon

```
<div class="card-user">
  
  <div class="card-user-infos">
    <h2>Sebastien Saunier</h2>
    <p>CTO, Le Wagon</p>
  </div>
</div>
```

```
.card-user {
  display: flex;
  justify-content: space-between;
  align-items: center;
}
```



Sebastien Saunier

CTO @Le Wagon

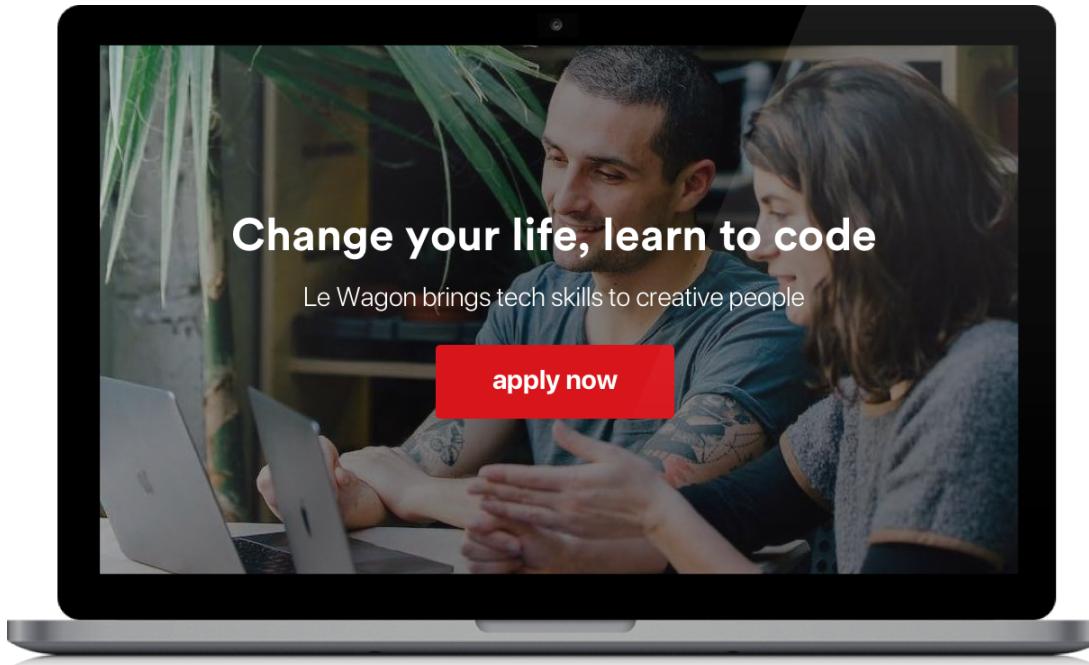
Graduated from Polytechnique, Sebastien first works at Google and Virtuozi before helping startup scale their dev teams. He joins Le Wagon in 2014 to teach tech skills to creative entrepreneurs.

```
<div class="card-user">
  
  <div class="card-user-infos">
    ...
  </div>
</div>
```

```
.card-user {
  display: flex;
  align-items: center;
}
.card-user-infos {
  flex-grow: 1;
}
```

Sprint #2 (30 minutes)

Let's live code a banner and a user card.





Sebastien Saunier
CTO @Le Wagon

Graduated from Polytechnique, Sebastien first works at Google and Virtuozi before helping startups scale their dev teams. He joins Le Wagon in 2014 to teach tech skills to creative entrepreneurs.

4. Building grids with flexbox

Cool technique for a grid of cards

Flexbox grid

```
<div class="cards">
  <div class="card">
    ...
  </div>
  <div class="card">
    ...
  </div>
  <div class="card">
    ...
  </div>
</div>
```

```
.card {
  display: flex;
  justify-content: space-between;
  flex-wrap: wrap;
}
.card {
  flex: 1 1 300px;
  margin: 10px;
}
```

Sprint #3 (30 minutes)

Let's live-code a grid of user cards.



Sebastien Saunier

CTO @Le Wagon

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5. Pushing on Github

It's time to deploy our website using [Github Pages](#).

Next time

- We'll design page layouts!
- We'll speak about 3rd services and APIs
- Finish your library of components and we want a cool web page online thanks to [Github Pages](#) for next time.