

Today's objectives

- Adopt a Pro CSS organization
- Code your own [UI Kit](#)

Lecture Boilerplate

<https://github.com/lewagon/components-demo>

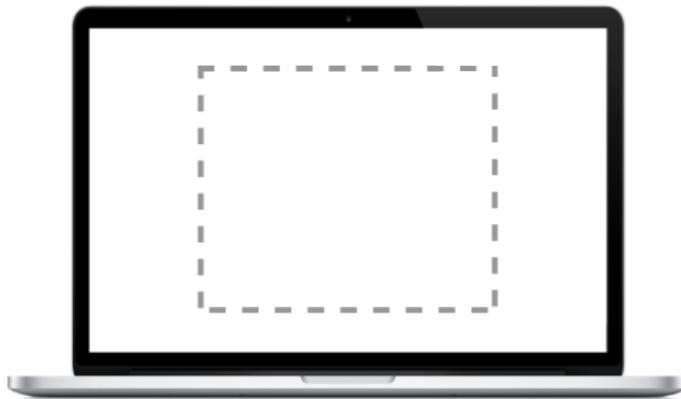
```
cd ~/code/$GITHUB_USERNAME
git clone git@github.com:lewagon/components-demo.git
cd components-demo
rm -rf .git
stt
```

What's a component?

Components = lego bricks

Simple components

Container



Avatar

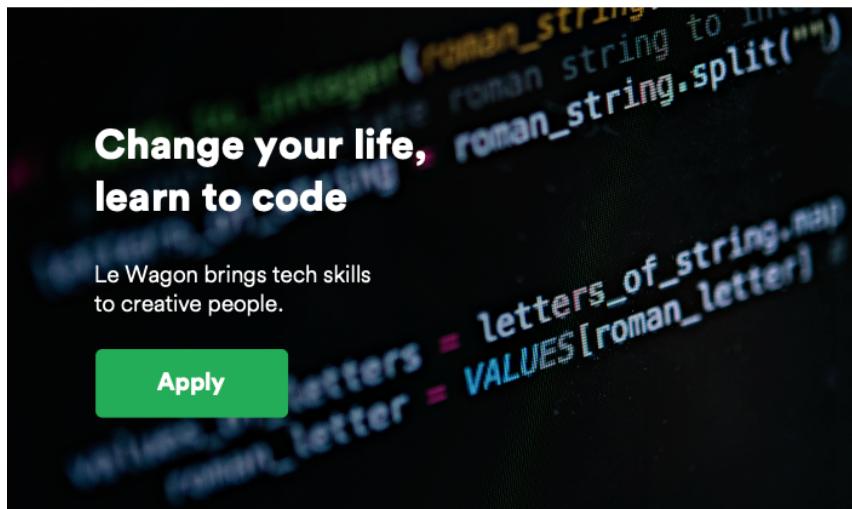


Button



Advanced components

Hero section (banner)



Card



Form

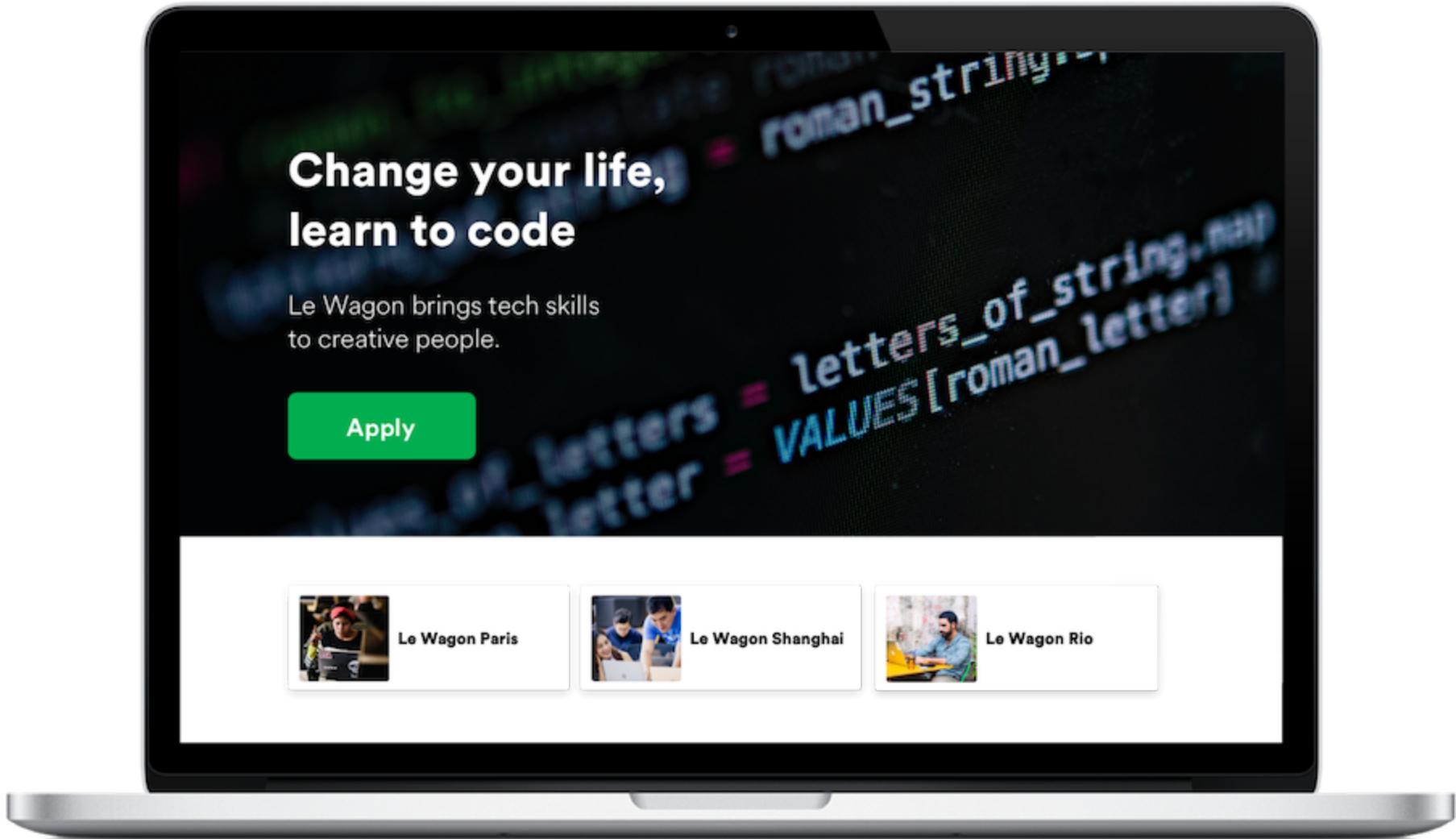
Login

Enter your email

Enter your password

sign in

Combined them to build pages!



10 components = 90% of your app design

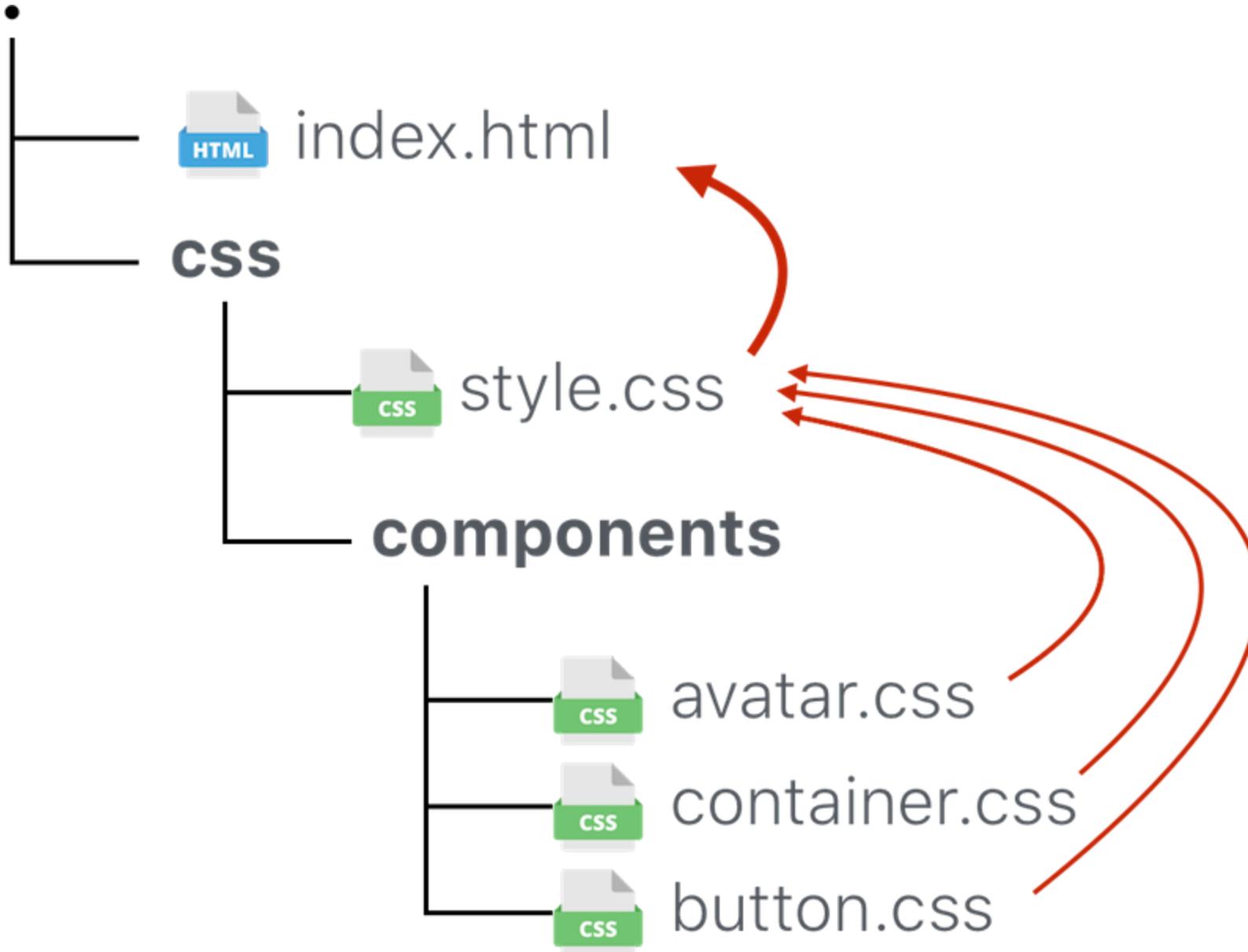
That's the secret of frontend developers 😎

Pro CSS organization 😎

Before we start, let's see how to organize our code like a real frontend developer.

Organize CSS by components

- Last week ➡ one file `style.css`
- This week ➡ one file per component



style.css imports all other stylesheets

```
/* style.css */

/* --- Import Components stylesheets --- */
@import url("components/avatar.css");
@import url("components/container.css");
@import url("components/button.css");

/* [...] */
```

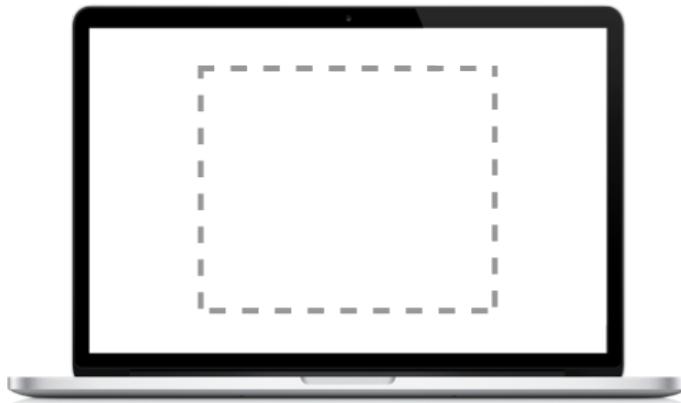
Then **one CSS link only** in the HTML page 😍

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

Our first components

Let's code simple components (atoms)

Container



Avatar



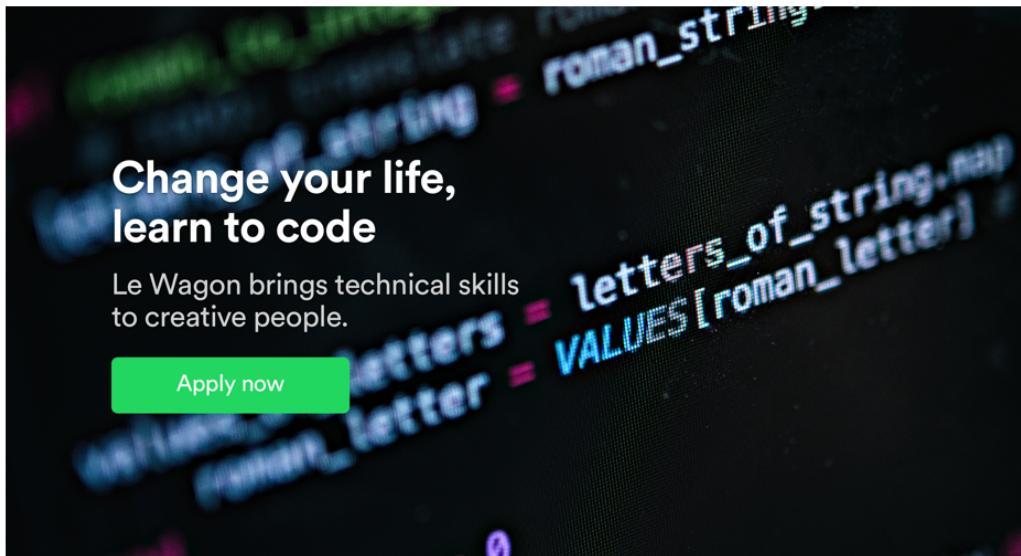
Button



let's combine atoms (molecules)

To build structured components

Result



HTML

.banner

.container

h1

p

a.btn

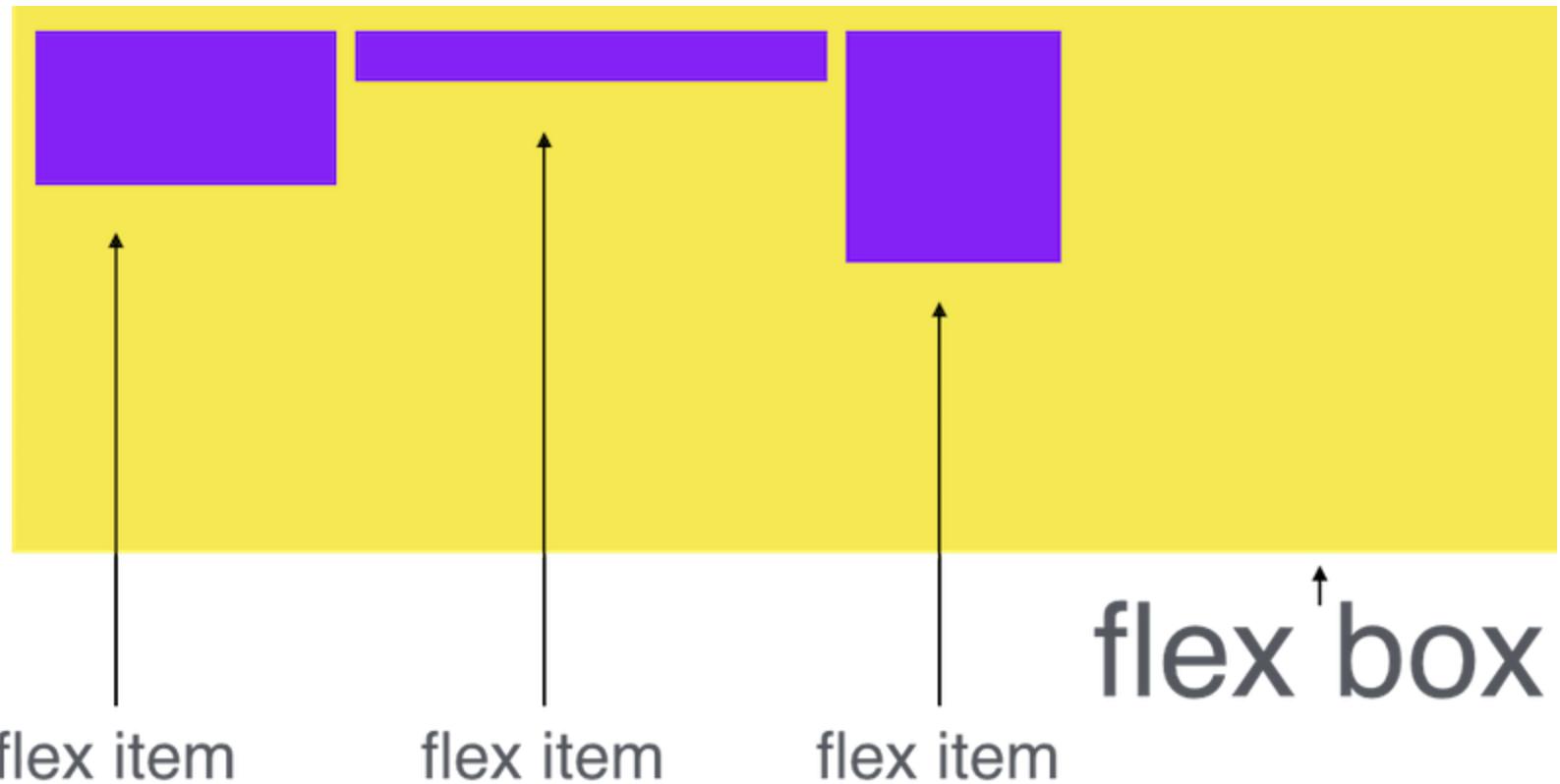
Flexbox components

Flexbox

95% of components are coded with flexbox 🎉

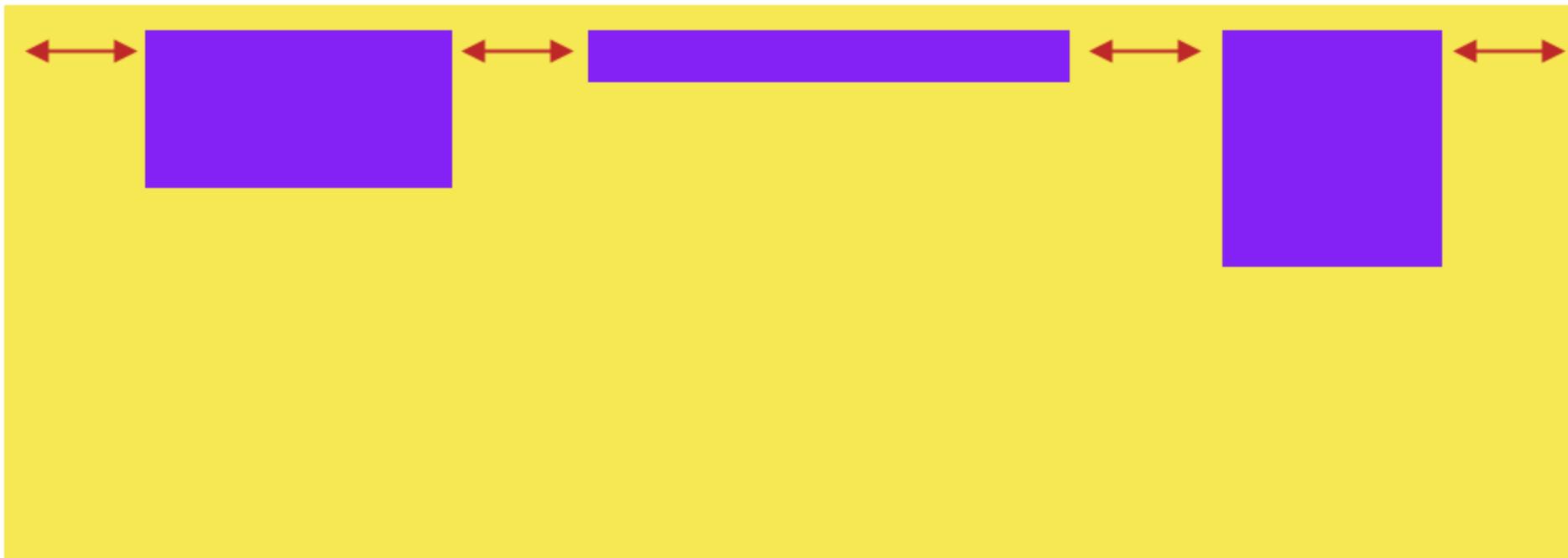
Flexbox - vocabulary

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



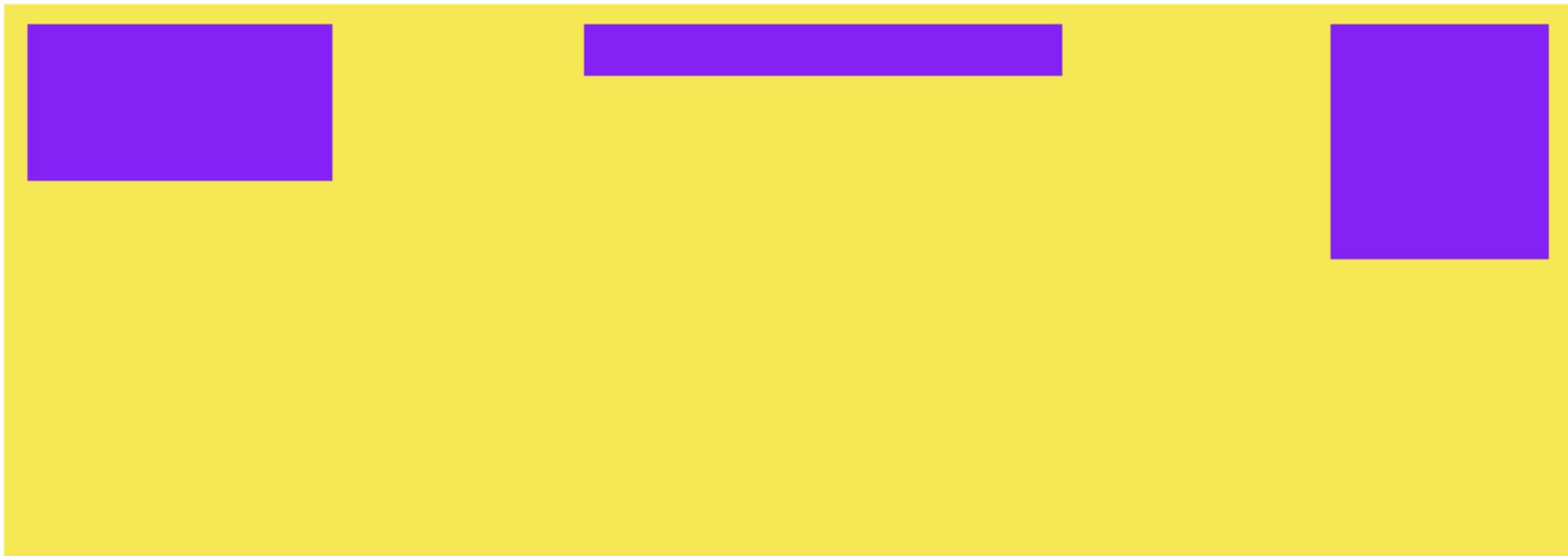
Flexbox - justify content (1)

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



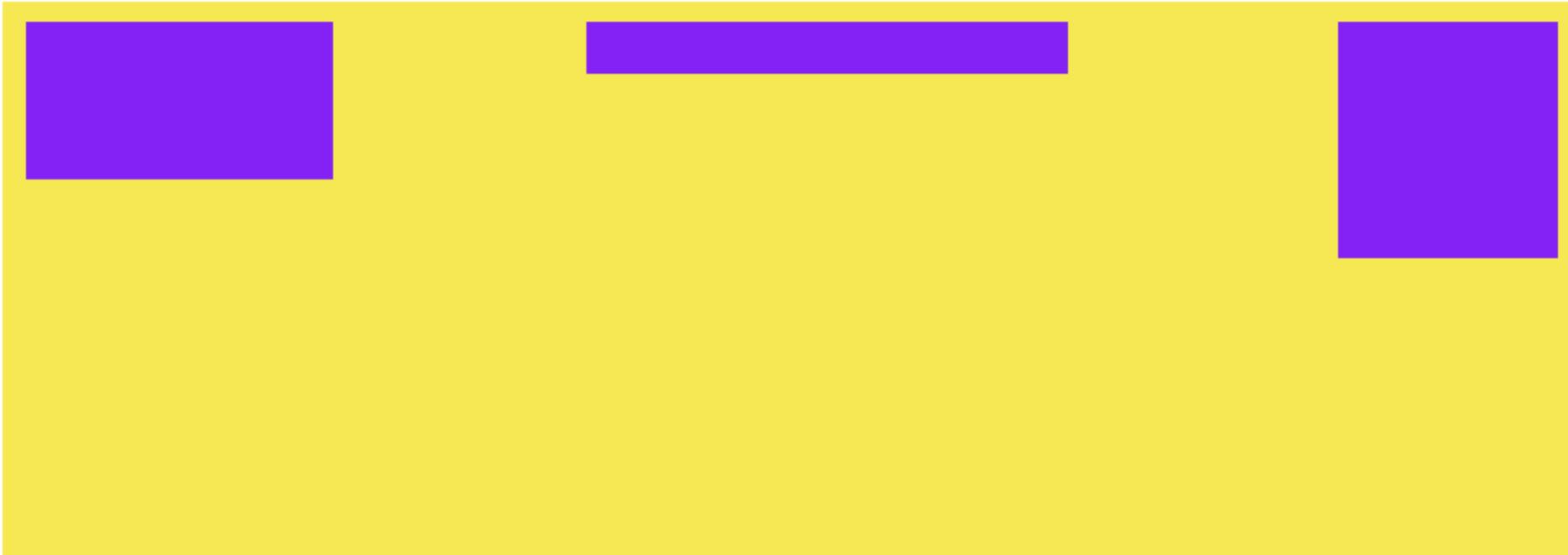
Flexbox - justify content (2)

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



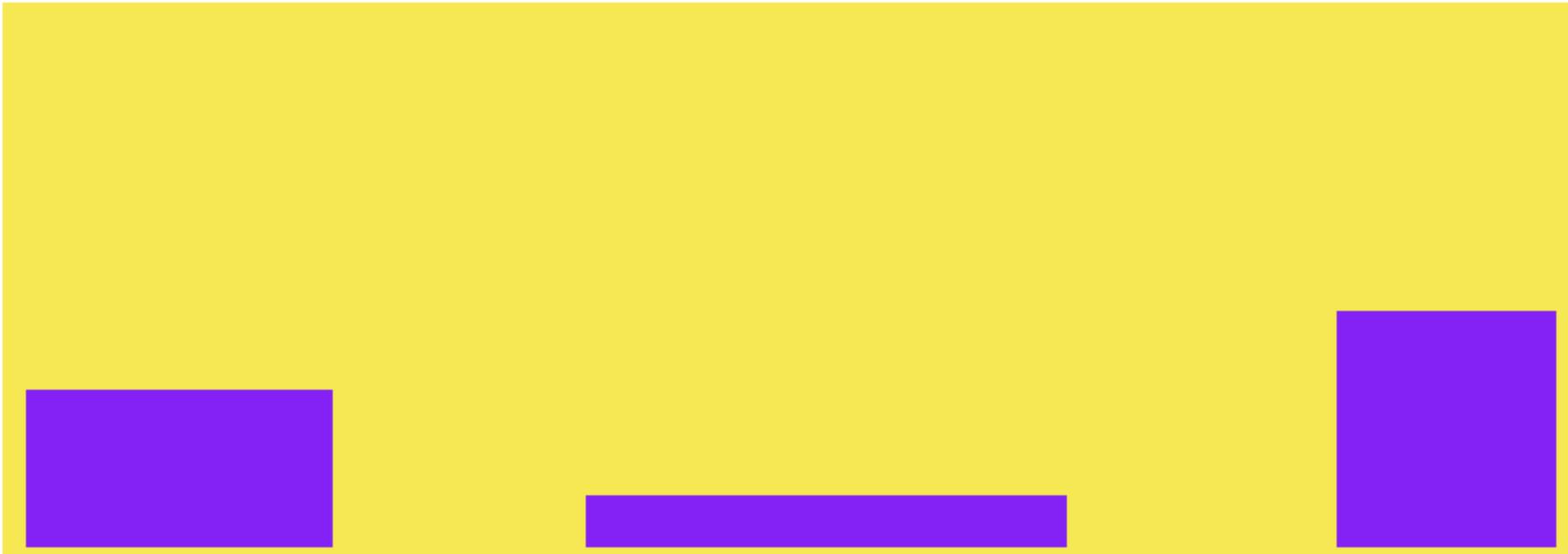
Flexbox - align items (1)

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



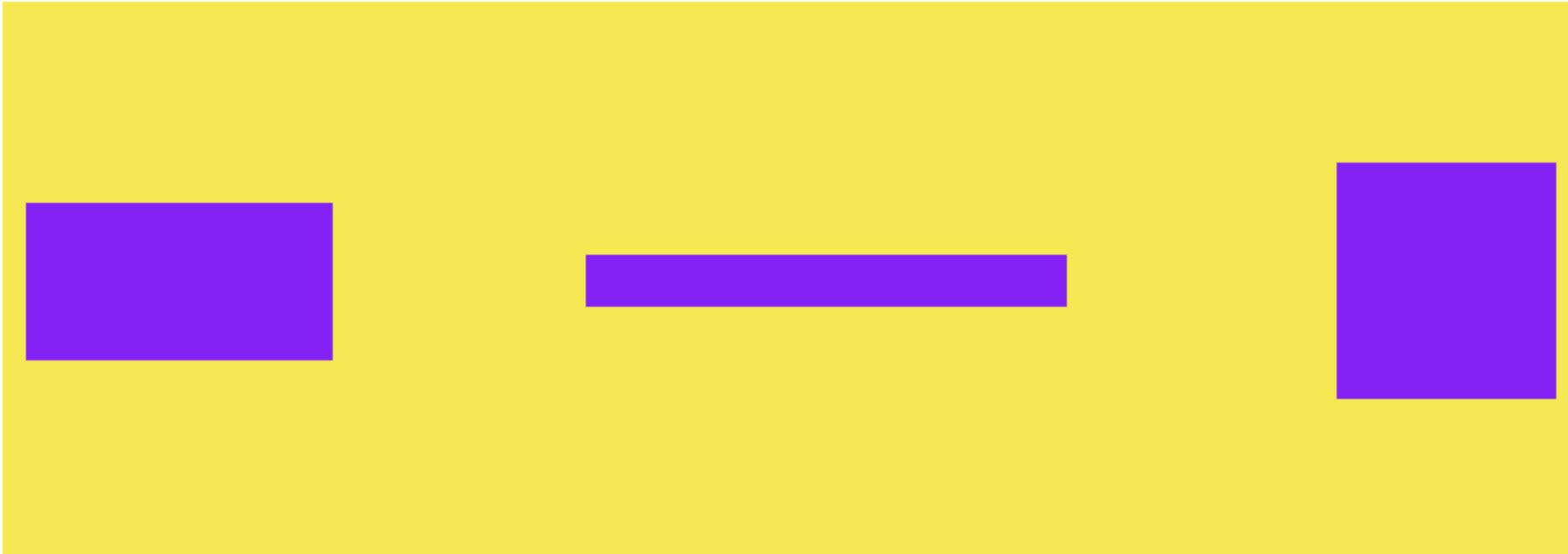
Flexbox - align items (2)

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



Flexbox - align items (3)

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



Flex item - flex grow

```
.flexbox {  
  display: flex;  
  align-items: center;  
}  
  
.item {  
  flex-grow: 1;  
}
```



How do you code a **category card**?

Result



HTML

.card-category

h2

How do you code a product card?

Result

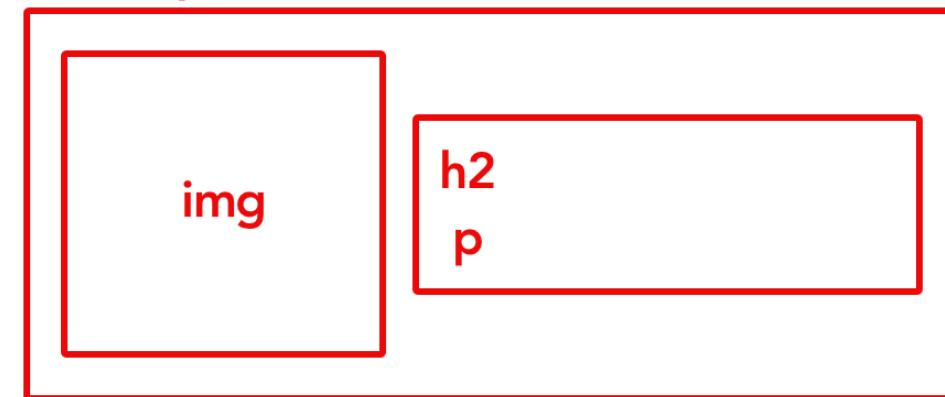


Luke Young

Dimensions: From 5'6 to 6'6

HTML

.card-product



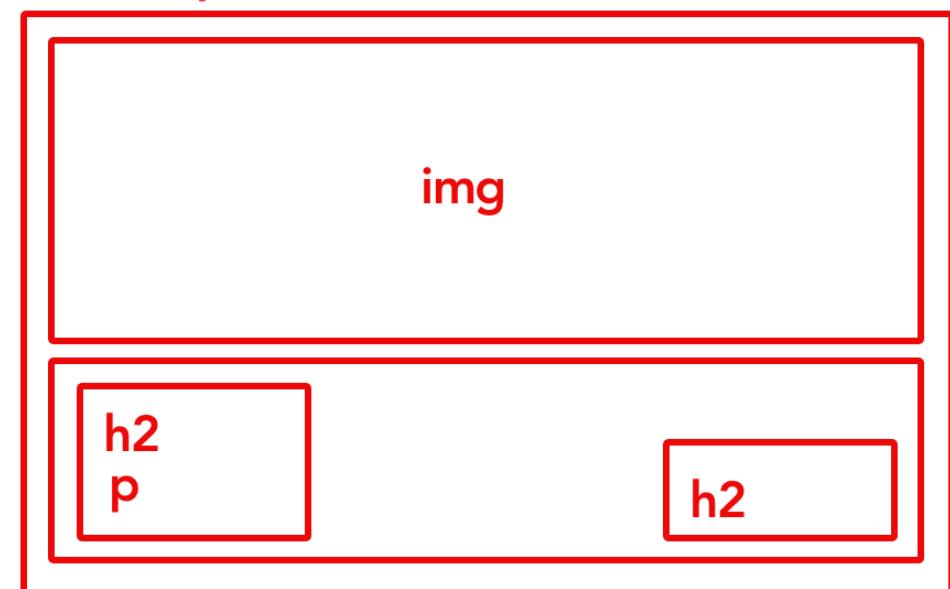
Flex quiz - How do you code this trip card?

Result



.card-trip

HTML



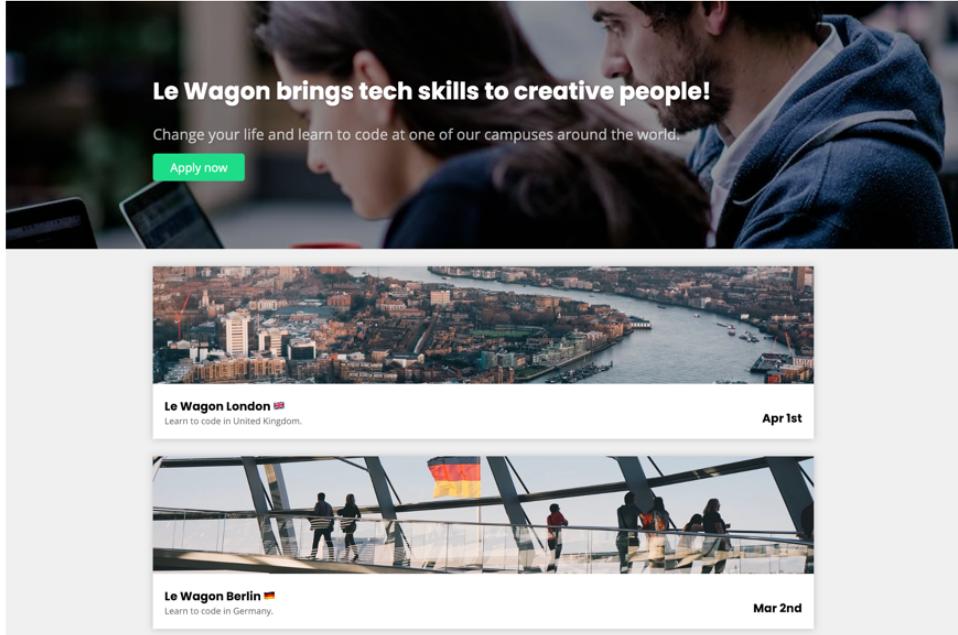
Let's code more components using flexbox

- a [category card](#)
- a [product card](#)
- a [trip card](#)

How to build pages?

Just combine your components into a page 😎

Result



HTML

.banner

.container

.container

.card-trip

.card-trip

Let's build awesome components 🚀