

UI components design

Components 101

Easy CSS tricks

Advanced patterns

UI components



Elementary blocks
of app design

5 to 10 components to master



90% of your app design

**Which UI components
do you know?**

Images



Avatar



Thumbnail

Buttons

Start now

Twitter

SIGN UP

Google

Write a story

Medium

Free trial

treehouse

Forms

Login form (treehouse)

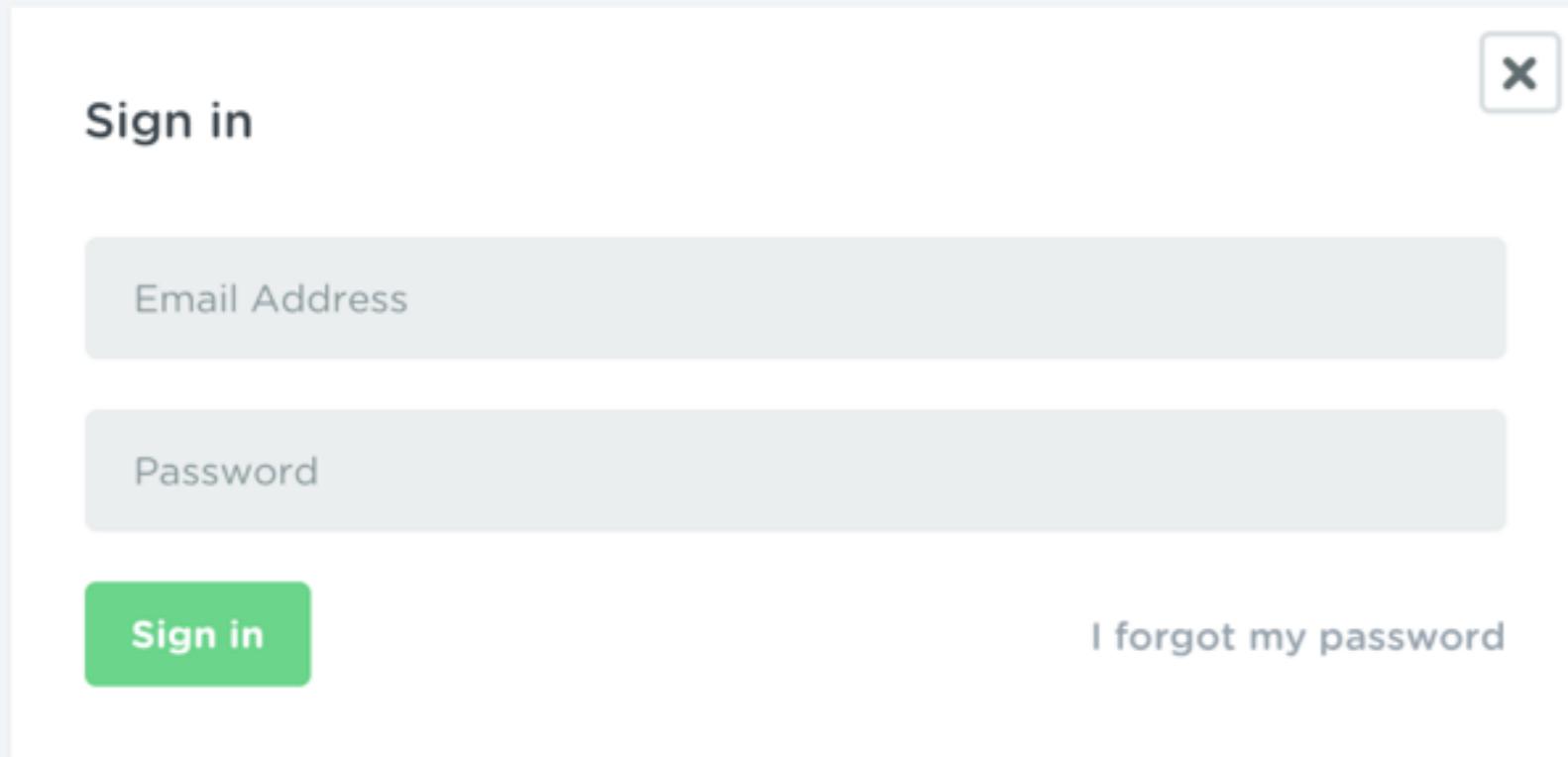
Sign in

Email Address

Password

[I forgot my password](#)

X

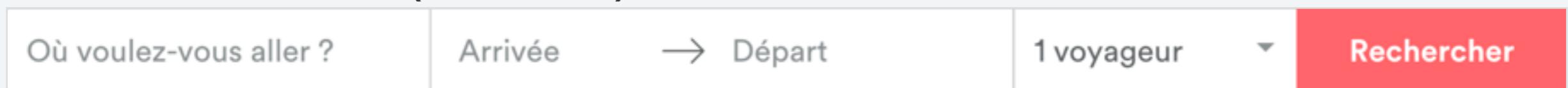


Search form (airbnb)

Où voulez-vous aller ?

Arrivée → Départ

1 voyageur ▾



Forms

Chatbox form (Intercom)

The screenshot shows a portion of an Intercom chat window. At the top, there are two tabs: "Reply" (which is blue and underlined, indicating it is active) and "Note". To the right of the tabs is a question mark icon inside a circle. Below the tabs is a text input field with the placeholder text "Type # to insert a saved reply". At the bottom left, there are four small icons: a file folder, a smiley face, a photo, and a paperclip. On the far right, there is a large blue button with the word "Reply" in white.

Tabs / Navs

Medium

STAFF PICKS TOP STORIES BOOKMARKS

ProductHunt

6,418

Upvoted

509

Submitted

35

Made

27

Collections

23,346

Followers

1,413

Following

TWEETS

4 021

ABONNEMENTS

1 783

ABONNÉS

3 972

AIMÉS

5 218

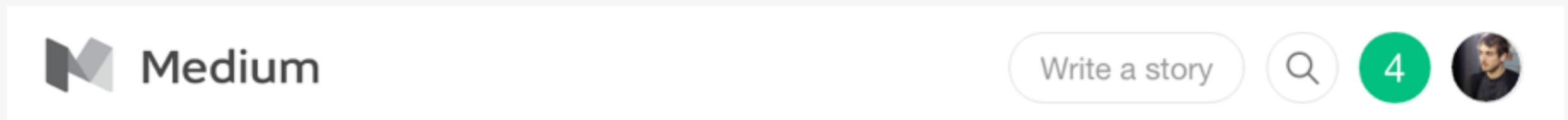
LISTES

10

Twitter

Navbars

Medium



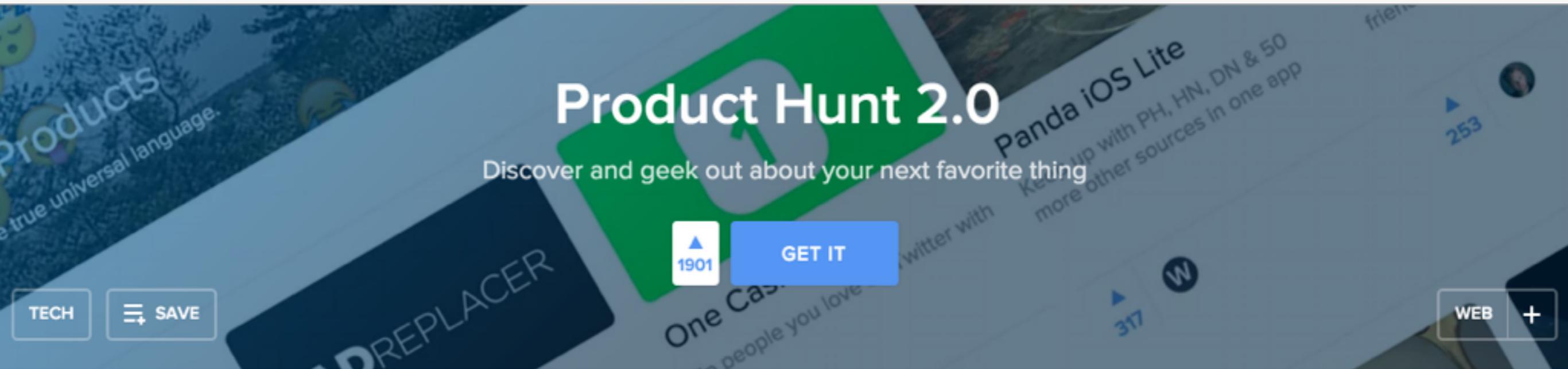
Twitter



Github



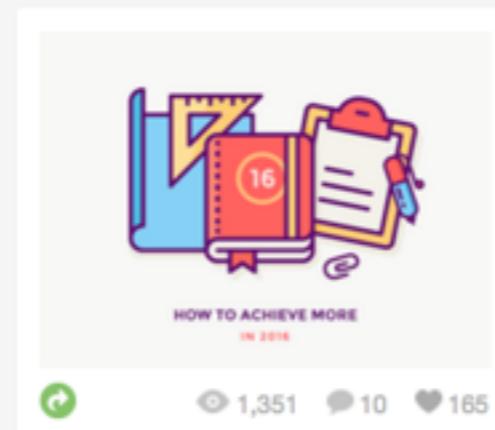
Banners



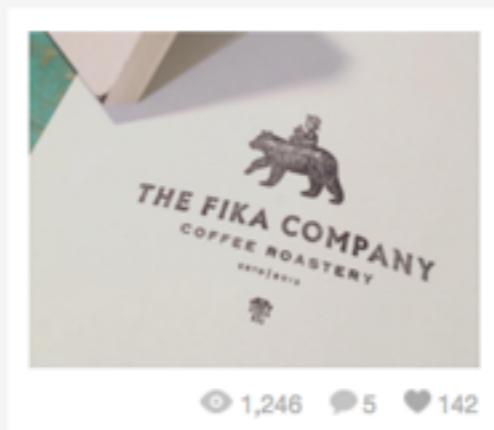
Cards



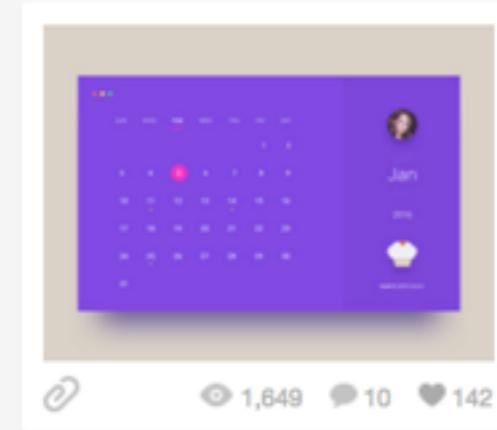
Operator



Justas Galaburda



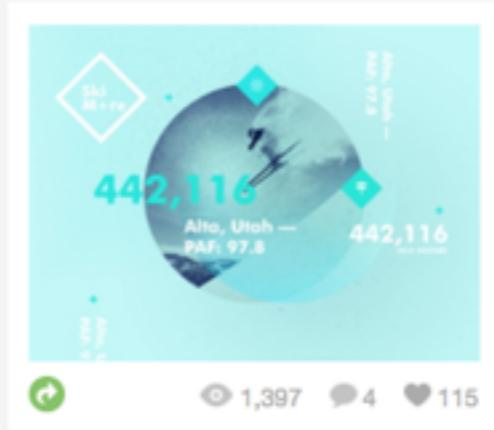
Joe White



Goutham



Dann Petty



Studio-JQ

Cards



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



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



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



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



Cards



Clash Royale

The next game from Supercell,
makers of Clash of Clan



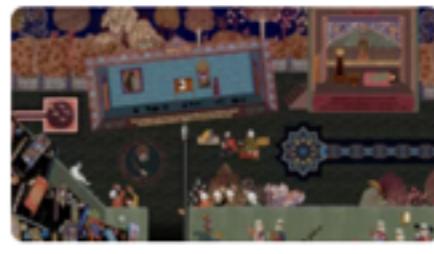
Follow The Dots

AN ENDLESS FINGERLESS
RUNNER GAME



Ginger Roll

Save the world from evil Iblis in
this cute arcade platform

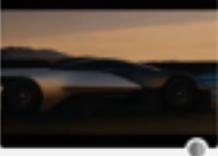


THE CAT AND THE
COUP

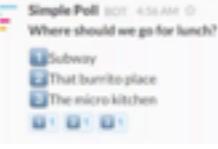
A documentary videogame on 28
Mordad coup

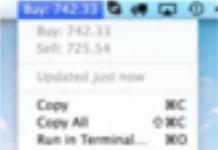


Lists

- ▲ 77  **Faraday Future FFZERO1**
Groundbreaking all electric race car

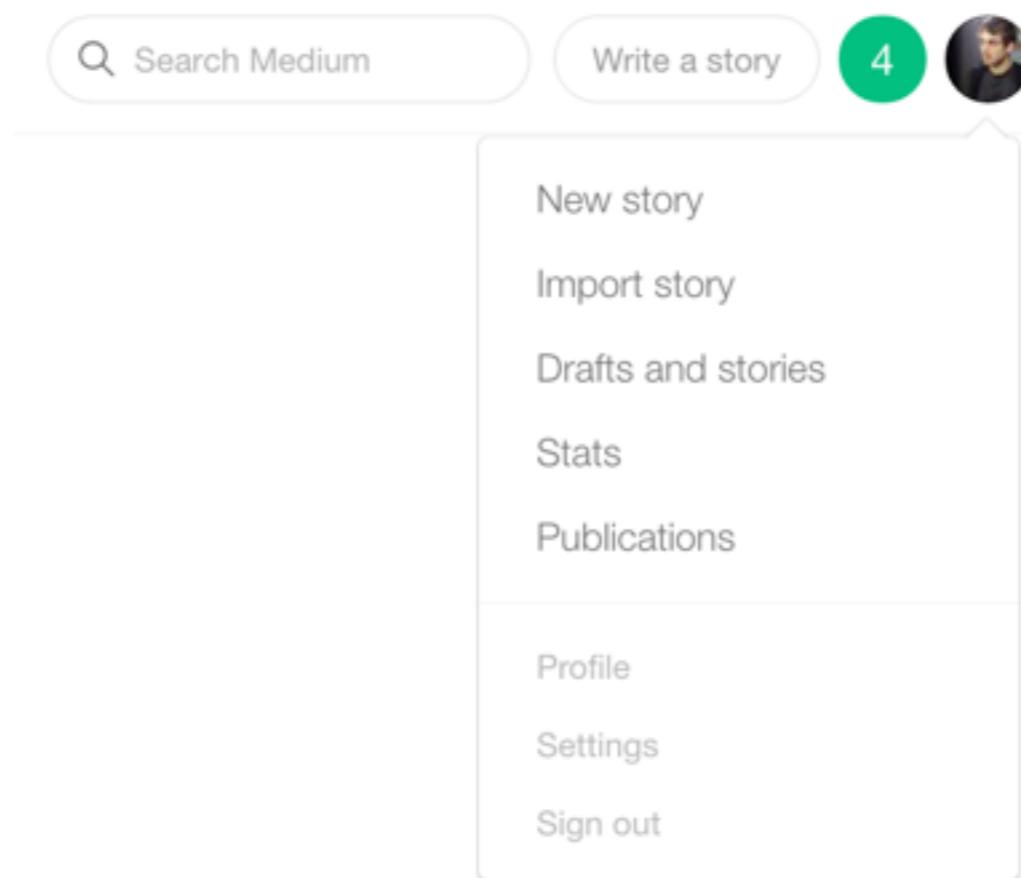
- ▲ 48  **Human for Android**
Compare your daily activity to people around you

- ▲ 61  **Simple Poll**
The easiest way to create polls in Slack

- ▲ 38  **BitBar**
Put the output from any script in your Mac OS X Menu Bar

- ▲ 49  **Hu:toma**
Emotionally evolved AIs for personal or business use


Dropdown



Dropdown

le wagon 

Offrir une track  Se connecter  Toutes les tracks

 Codez votre premier site web Créez et designez votre site avec HTML/CSS et Bootstrap. Mettez-le en ligne, configurez votre nom de domaine et suivez votre trafic sur Google Analytics.	 Devenez développeur front-end Passez la vitesse supérieure ! Créez vos propres icônes, designez et animez vos sites avec SASS & jQuery. Codez vite des sites beaux, propres & maintenables.	 Devenez data-scientist Faites des analyses poussées avec Python et la librairie Pandas. Connectez, manipulez et explorez des sets de données internes ou ouverts pour répondre à des questions concrètes liées à votre activité.	 Comprenez enfin JavaScript Apprenez ou ré-apprenez à vous servir de JavaScript. Scrapez votre premier site, et déployez vos scripts Node.js sur Heroku.
---	---	---	--

Setup



Starting Boilerplate

Download ZIP or clone

<https://github.com/Papillard/UI-sprint>

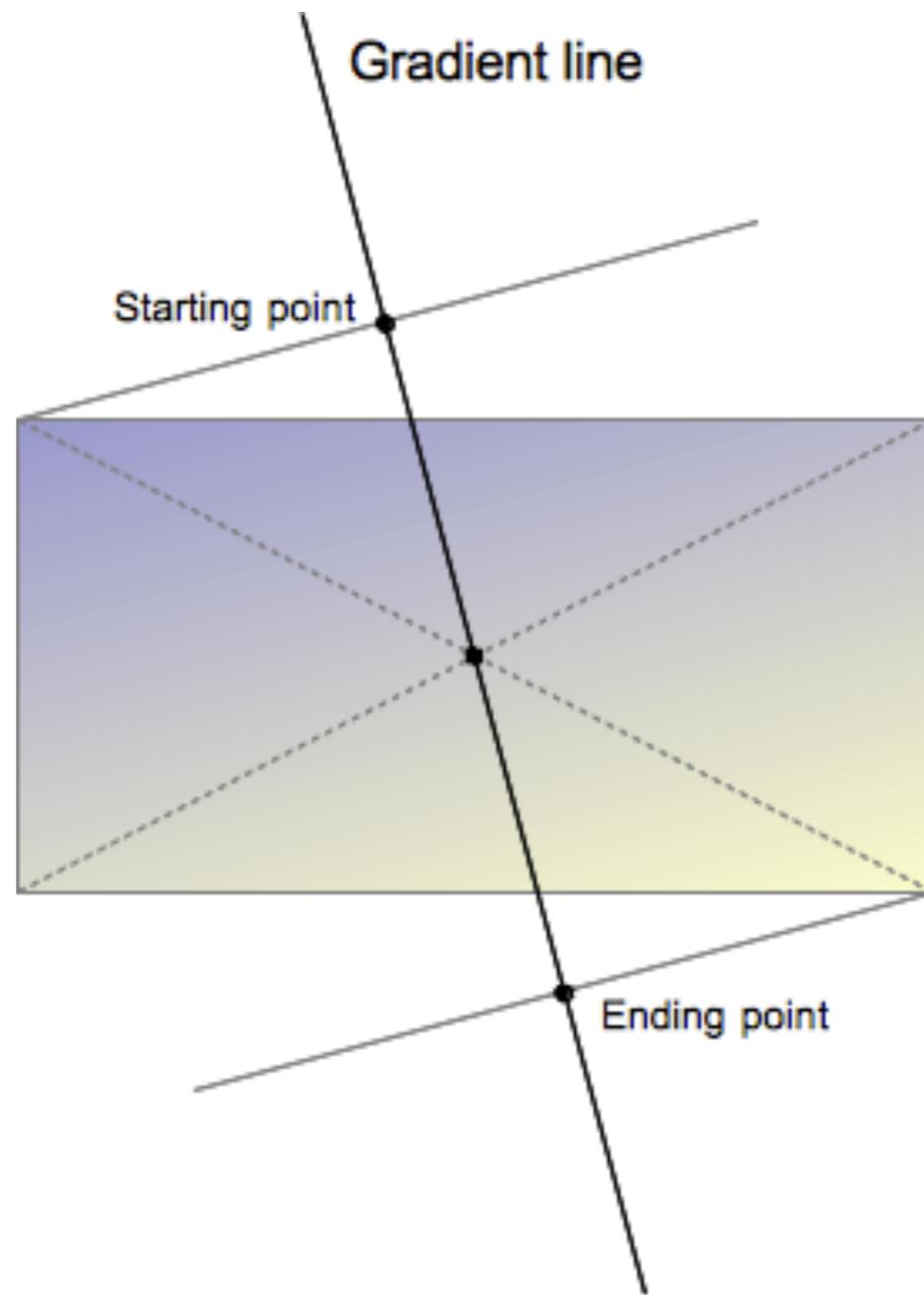
Easy CSS examples

Let's code together

- Avatars
- Buttons
- Dropdowns

CSS advanced patterns

Gradient filter CSS



Gradient filter CSS

```
background: linear-gradient(angle,  
                           start_color start_point,  
                           end_color end_point),  
url('background.jpg');
```

```
background: linear-gradient(135deg,  
                           yellow 0%,  
                           green 50%),  
url('background.jpg');
```

Relative position

- Offset from **initial** position
- A way to pin an element 

Let's offset logo on

<https://www.lewagon.com/>

Absolute position

- Offset from **1st positioned** parent
- If no pinned parent => body

Relative / Absolute pattern



```
#relative {  
  position: relative;  
  width: 900px;  
  margin: 0 auto;  
}
```

Relative / Absolute pattern



```
#relative {  
    position: relative;  
    width: 900px;  
    margin: 0 auto;  
}
```

```
#absolute {  
    position: absolute;  
}
```

Relative / Absolute pattern



```
#relative {  
    position: relative;  
    width: 900px;  
    margin: 0 auto;  
}  
  
#absolute {  
    position: absolute;  
    bottom: 10px;  
    right: 10px;  
}
```

Relative / Absolute pattern



```
#relative {  
    position: relative;  
    width: 900px;  
    margin: 0 auto;  
}  
  
#absolute {  
    position: absolute;  
    top: 10px;  
    right: 10px;  
}
```

Relative / Absolute pattern

card design



Grid system



Responsive



Mobile first

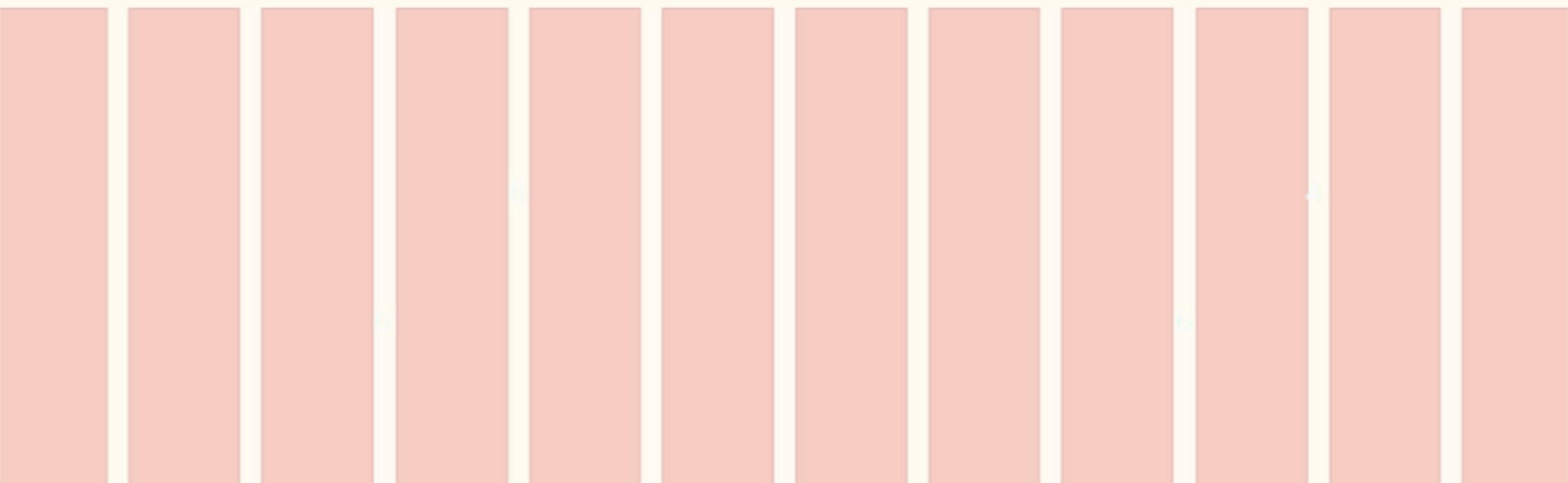


How does it work?

Container

always start with a **container**

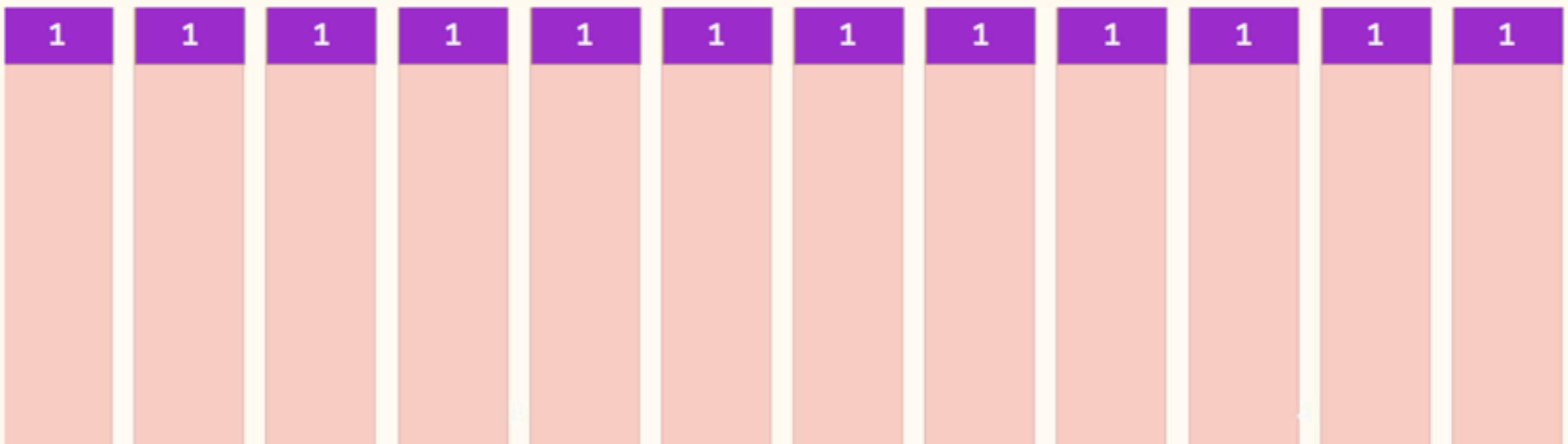
```
<div class="container">  
    <!--Define a container-->  
</div>
```



Rows

then insert **rows**

```
<div class="container">  
  
  <div class="row">  
    <!-- First row -->  
  </div>  
  
</div>
```



Rows

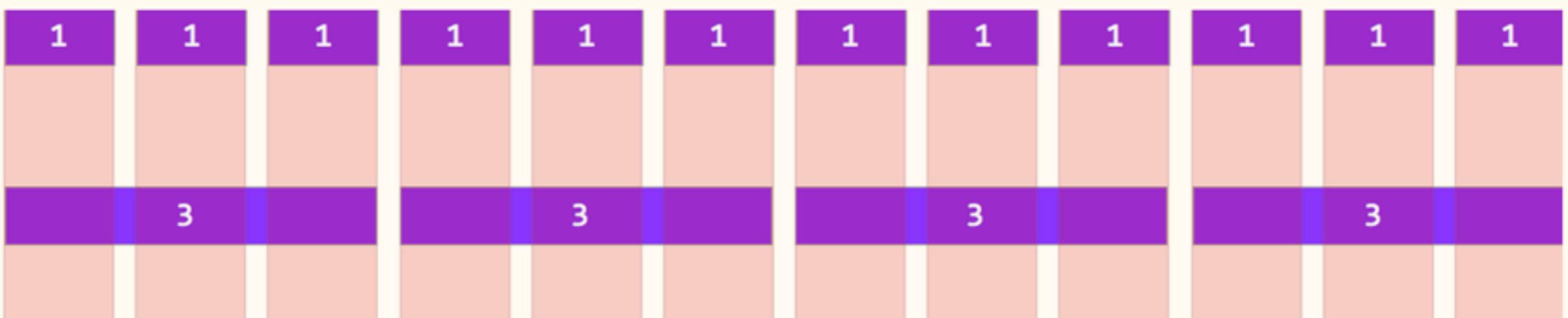
then insert rows

```
<div class="container">

  <div class="row">
    <!-- First row -->
  </div>

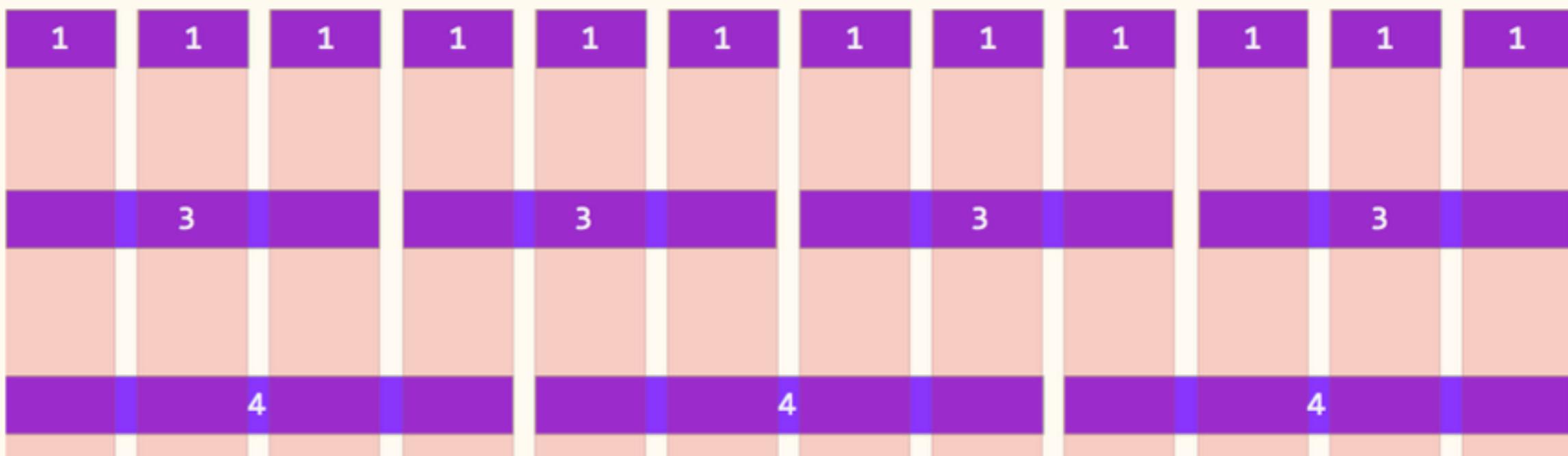
  <div class="row">
    <!-- Second row -->
  </div>

</div>
```



Rows

```
<div class="container">  
  
  <div class="row">  
    <!-- First row -->  
  </div>  
  
  <div class="row">  
    <!-- Second row -->  
  </div>  
  
  <div class="row">  
    <!-- Third row -->  
  </div>
```



How do we fill rows?

Cols

the elementary block

```
<div class="col-xs-6">  
</div>
```

- **col**: because it fits a number of columns
- **xs**: screen width
- **6**: number of columns taken by the block (**max 12**)

Media

xs: Extra small devices (Phones < 768px)

sm: Small devices (Tablets > 768px)

md: Medium devices (> 992px)

lg: Large devices (Desktops > 1200px)

Example - 2 cols



Example - 2 cols

.col-xs-6 will apply on larger screens

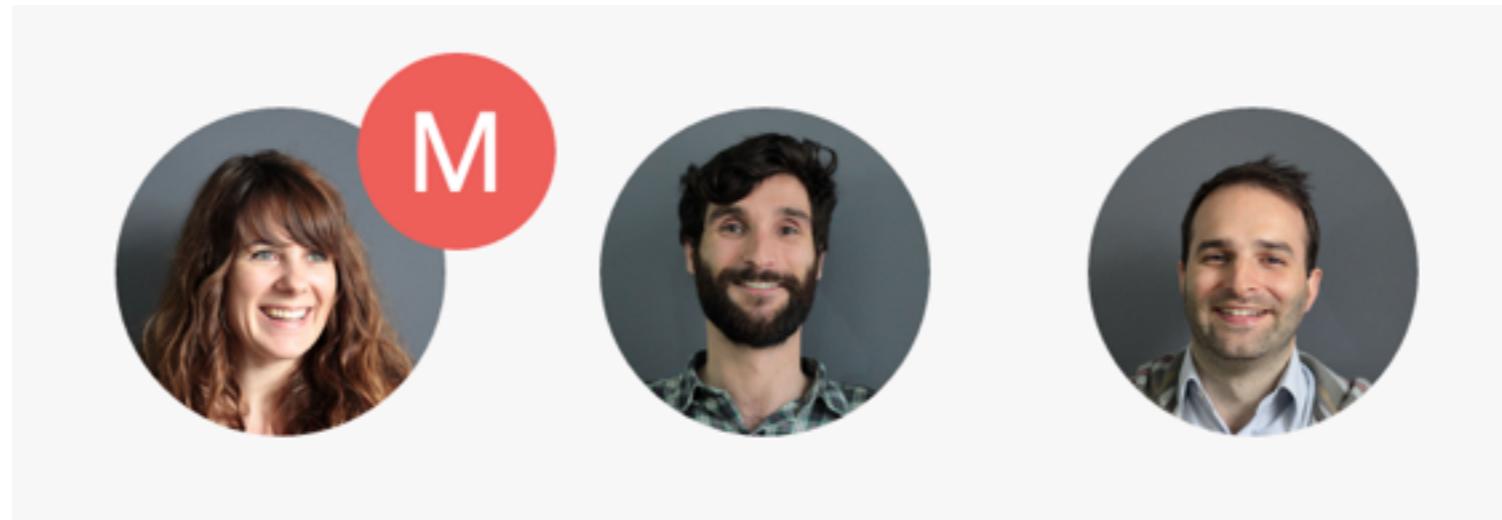
```
<div class="container">
  <div class="row">

    <div class="col-xs-6"></div>
    <div class="col-xs-6"></div>

  </div>
</div>
```

Relative / Absolute pattern

badge design



Flexbox



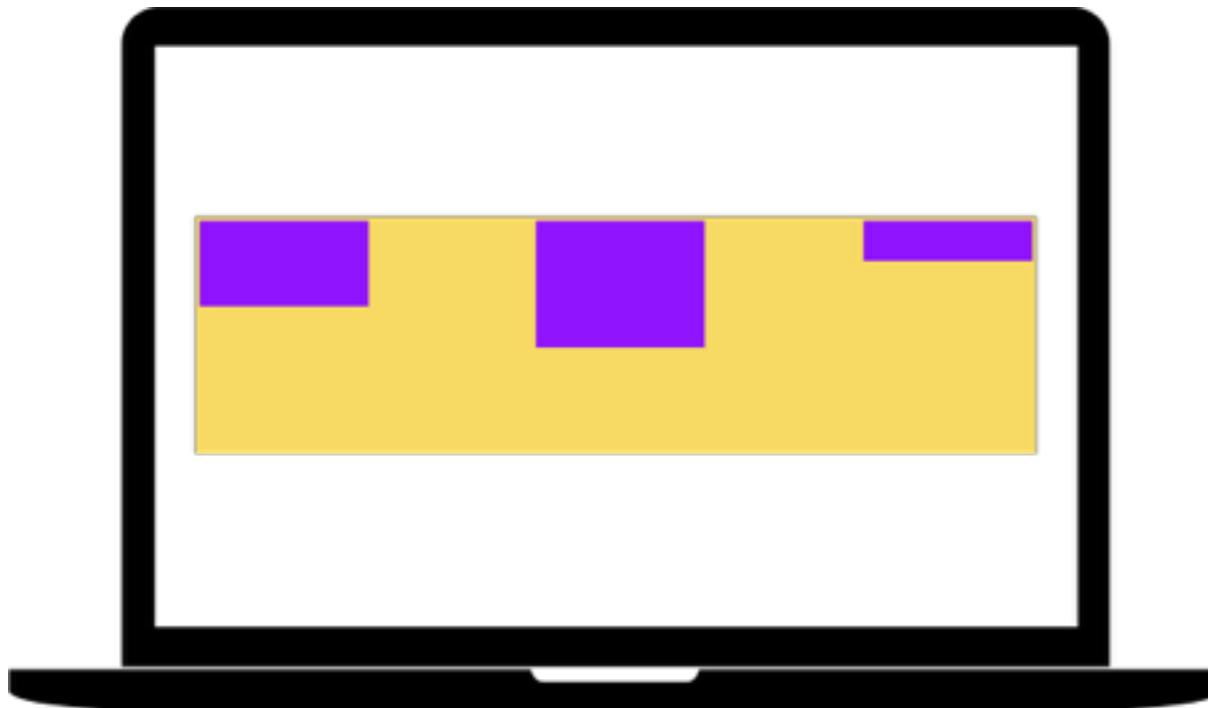
```
.flex {  
  display: flex;  
}  
  
.flex-item {  
  flex: 0 0 200px;  
}
```

Flexbox



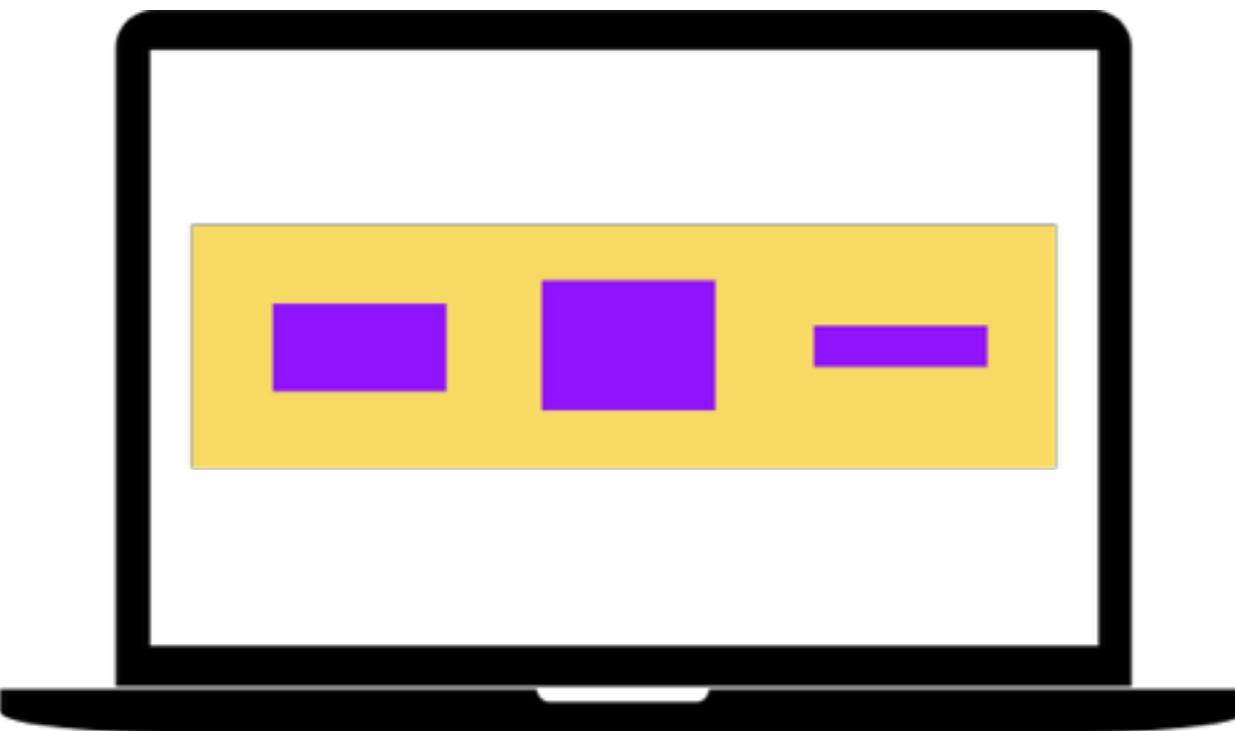
```
.flex {  
  display: flex;  
  justify-content: space-around;  
}  
  
.flex-item {  
  flex: 0 0 200px;  
}
```

Flexbox



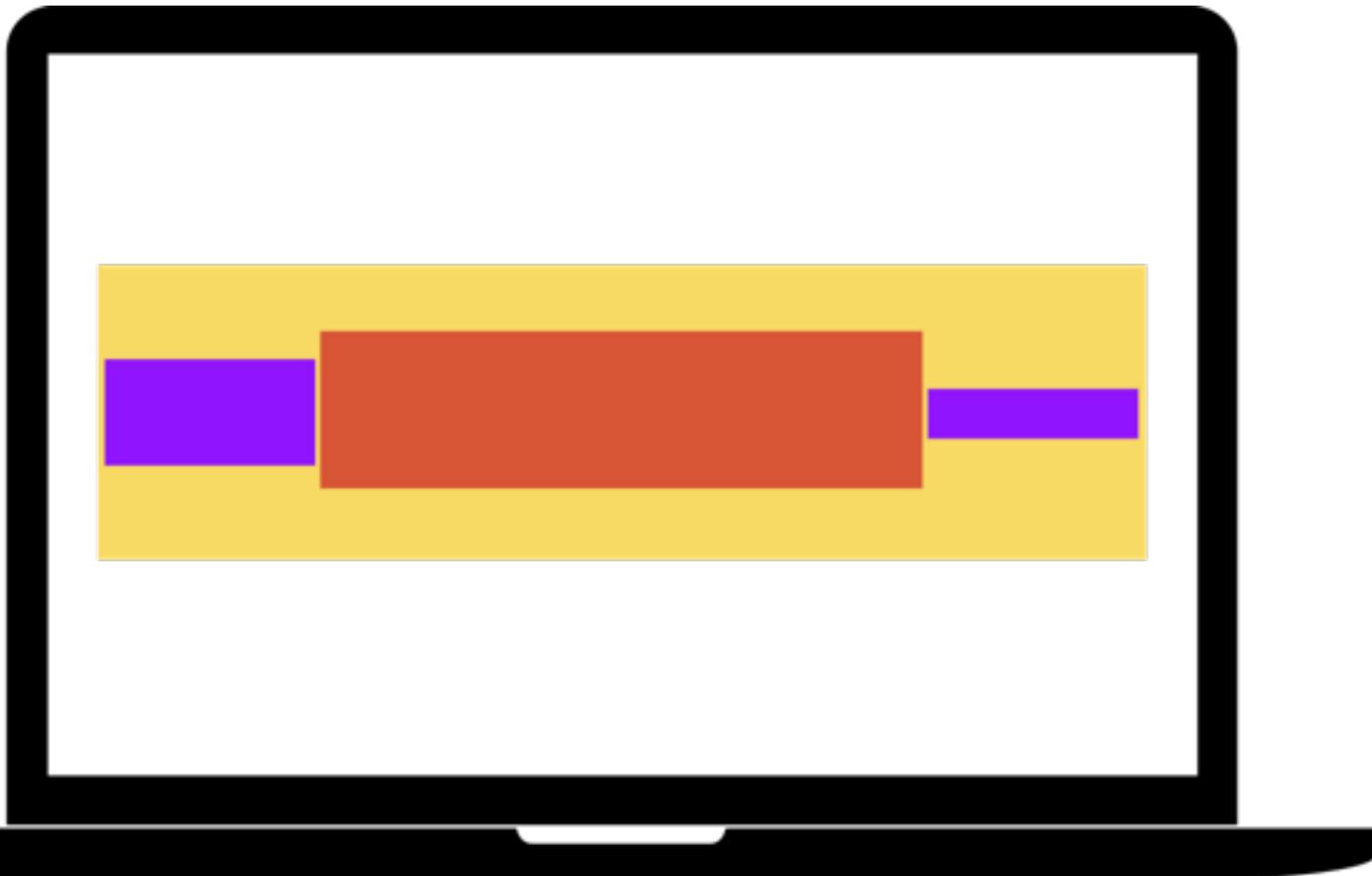
```
.flex {  
  display: flex;  
  justify-content: space-between;  
}  
  
.flex-item {  
  flex: 0 0 200px;  
}
```

Flexbox



```
.flex {  
  display: flex;  
  justify-content: space-around;  
  align-items: center;  
}  
  
.flex-item {  
  flex: 0 0 200px;  
}
```

Flexbox

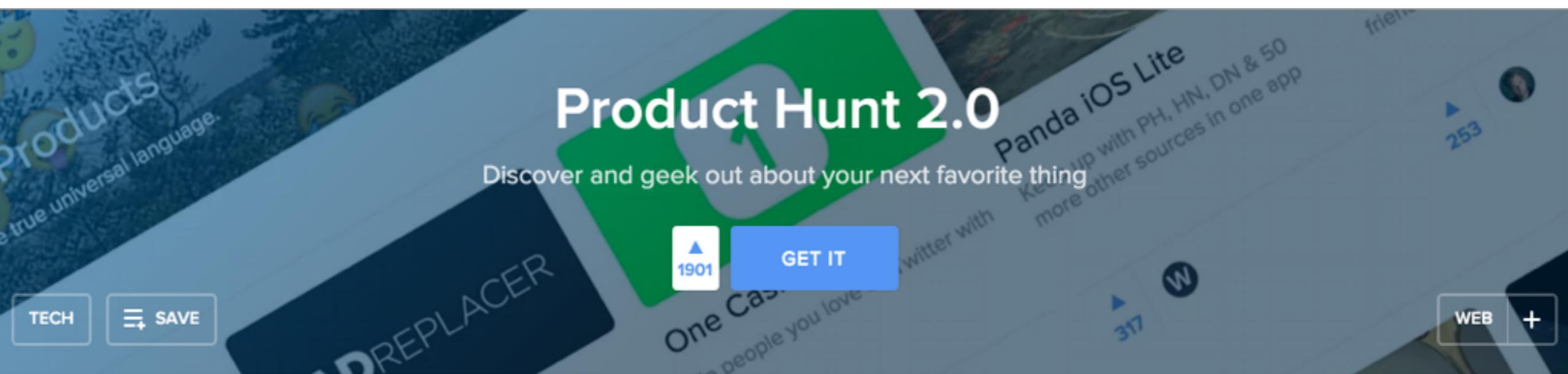


```
.flex-item {  
  flex: 0 0 200px;  
}  
  
.flex-body {  
  flex: 1 0 auto;  
}
```

Flexbox example

Banner design

(centering on horizontal & vertical axis)



Flexbox example

tab design

6,418
Upvoted

509
Submitted

35
Made

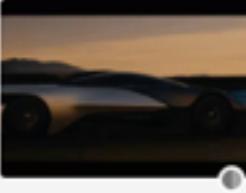
27
Collections

23,346
Followers

1,413
Following

Flexbox example

list item design

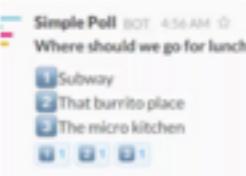
- 

Faraday Future FFZERO1
Groundbreaking all electric race car


▲ 77 9
- 

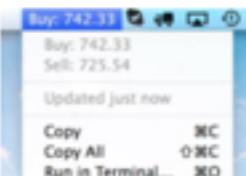
Human for Android
Compare your daily activity to people around you


▲ 48 6

ANDROID
- 

Simple Poll BOT · 4:56 AM · 10
Where should we go for lunch?
 - Subway
 - That burrito place
 - The micro kitchen

▲ 61 2

SLACK
- 

BitBar
Put the output from any script in your Mac OS X Menu Bar


▲ 38 1

MAC
- 

Hu:toma
Emotionally evolved AIs for personal or business use


▲ 49 3

WEB

Small gift 

lewagon.github.io/ui-components/

Go further

ondemand.lewagon.org/nantes

Go beyond

lewagon.org/nantes



VILLES

PROGRAMME

FAQ



ALUMNI

TÉMOIGNAGES

BLOG

Postuler

Formation développeur web FullStack

Changez de vie : apprenez à coder à Nantes

Découvrez notre programme

Postulez pour 9 semaines



Thank you!