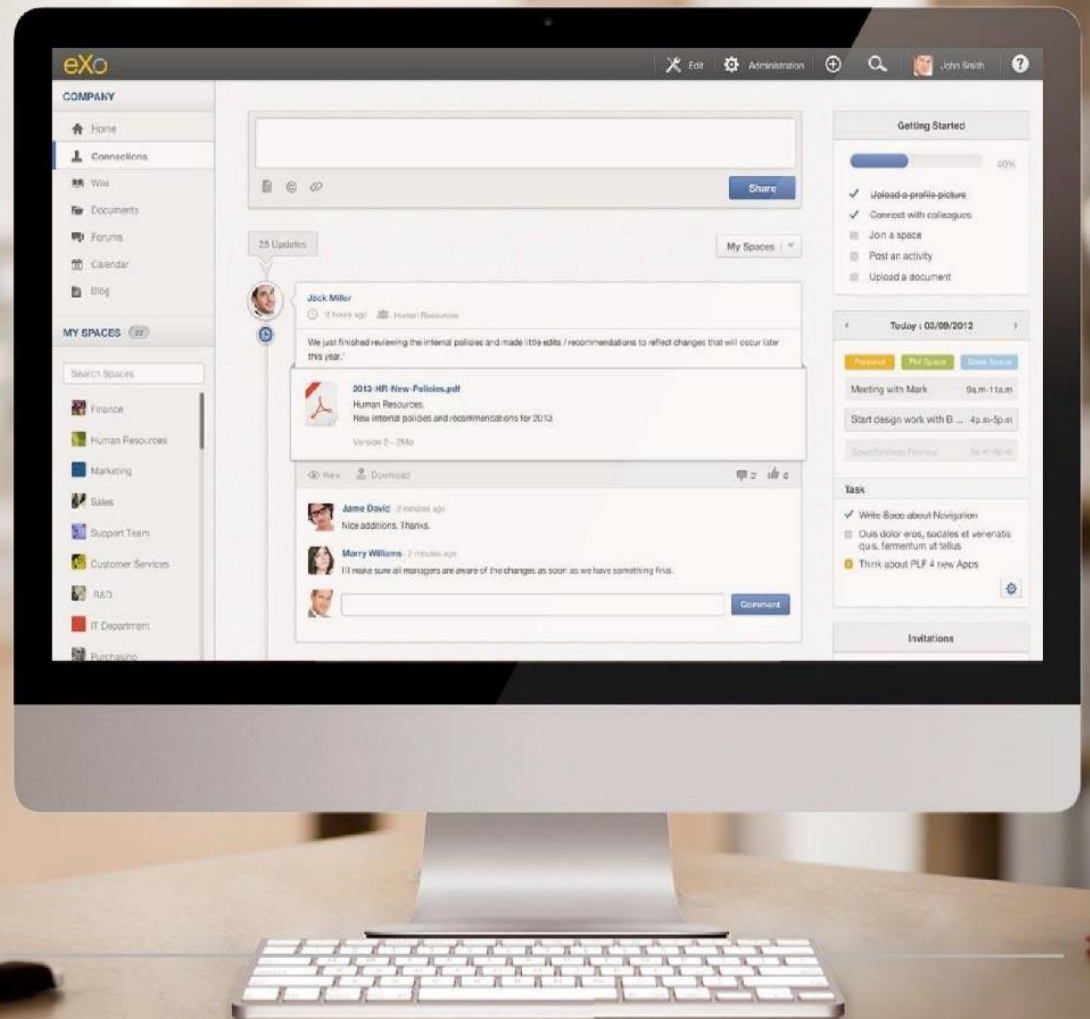


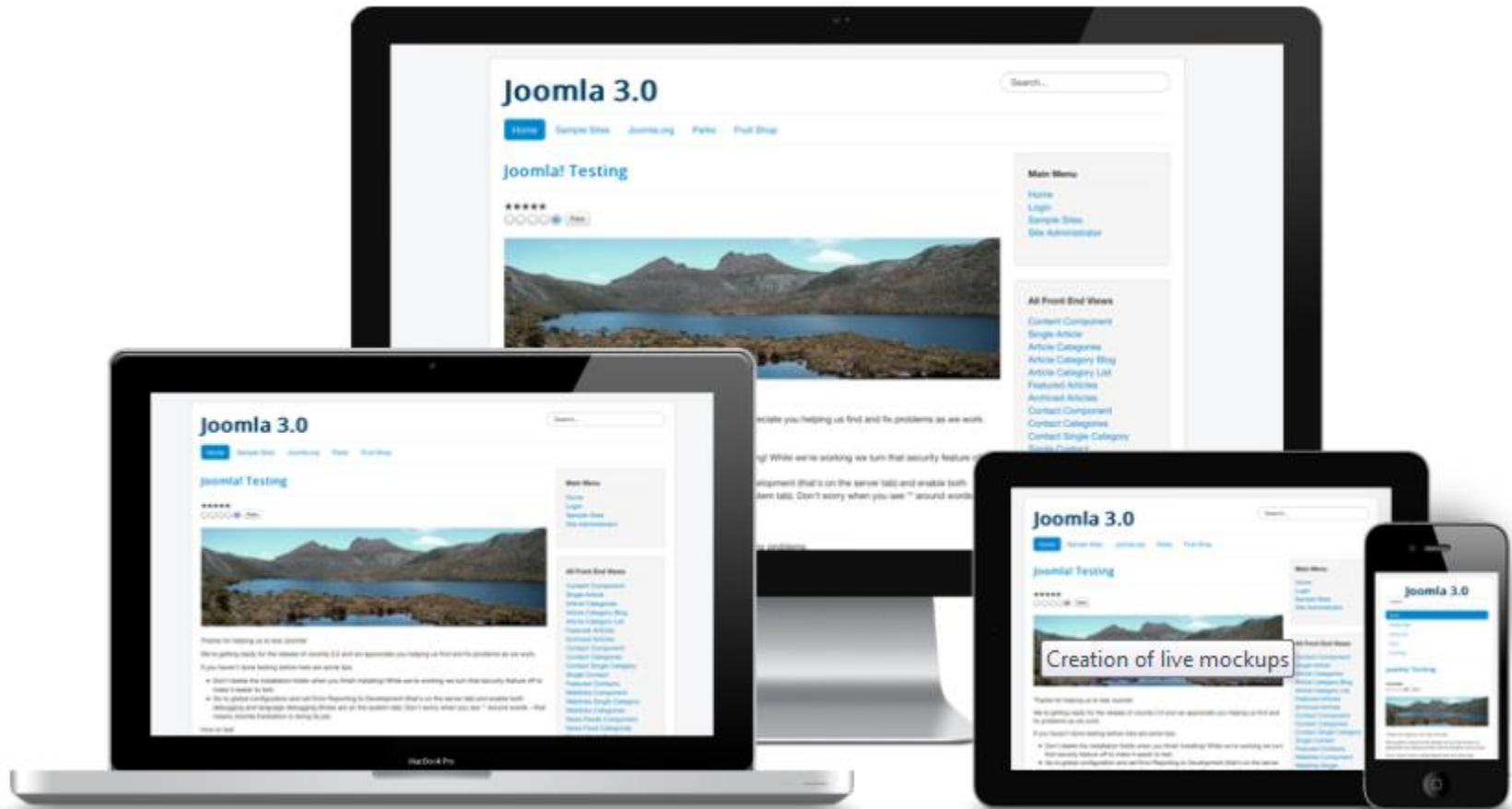


And some company
success to create
wonderful design
for web application



Why using Bootstrap?: Responsive Design

► What is it?



What is Bootstrap?

- ▶ UI framework (set of JavaScript, CSS, and images)
- ▶ Open Source project
- ▶ Supports HTML5 and CSS3
- ▶ Supported by all major browsers (even IE7!!!)
- ▶ Released in August 2011



What is Bootstrap?

► Creators



Mark Otto

@mdo

Designer at Twitter, creator of Bootstrap (@TwBootstrap).

San Francisco Bay Area · <http://t.co/HqYRIAl>



jacob thornton

@fat

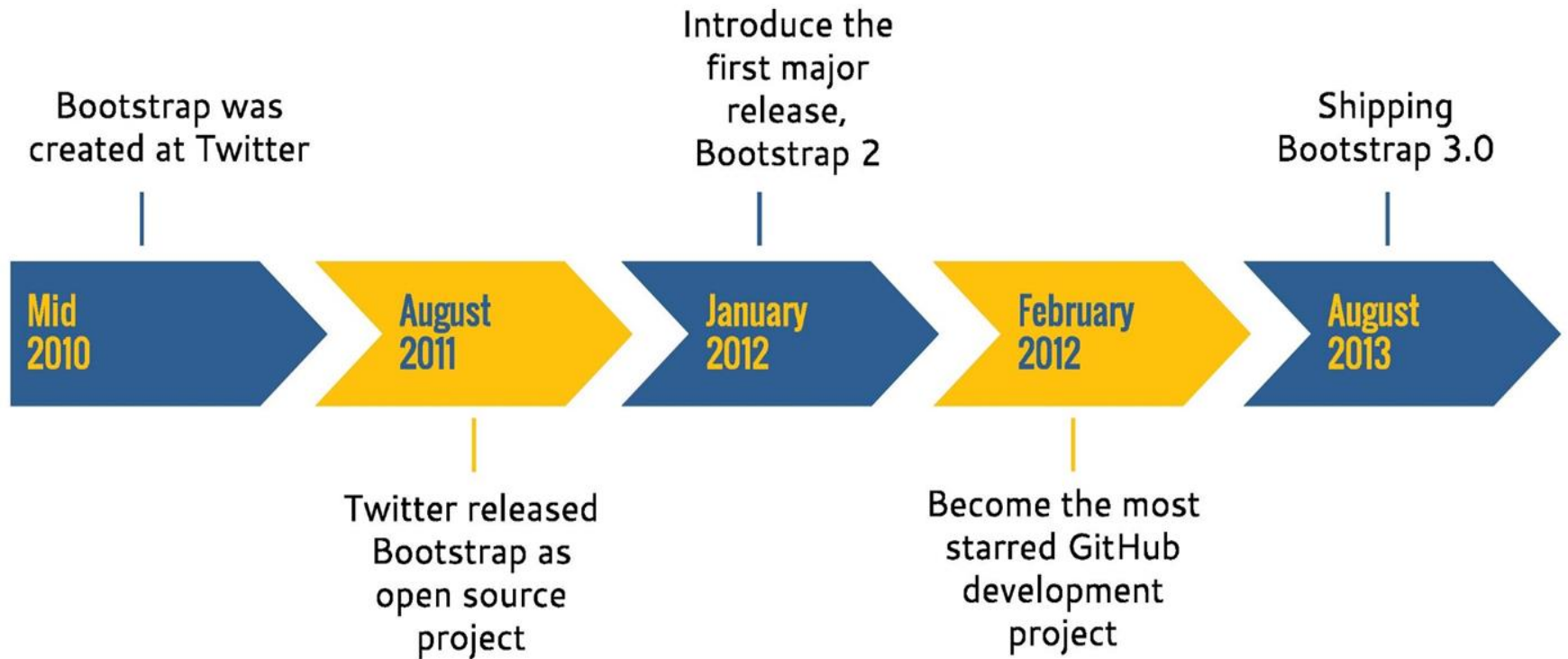
*I work for twitter... I write comics sometimes (<http://t.co/GucZD6o>)
and javascript (<http://t.co/oFcXhQl>) other times.*

San Francisco, CA

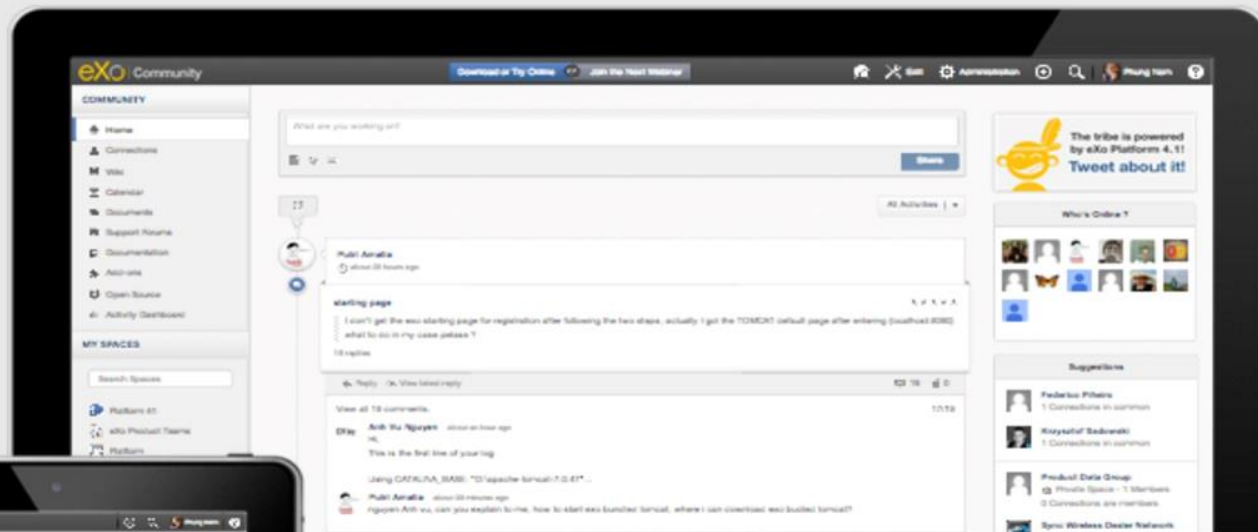
It was released as an open source product in
August **2011** on **GitHub**.



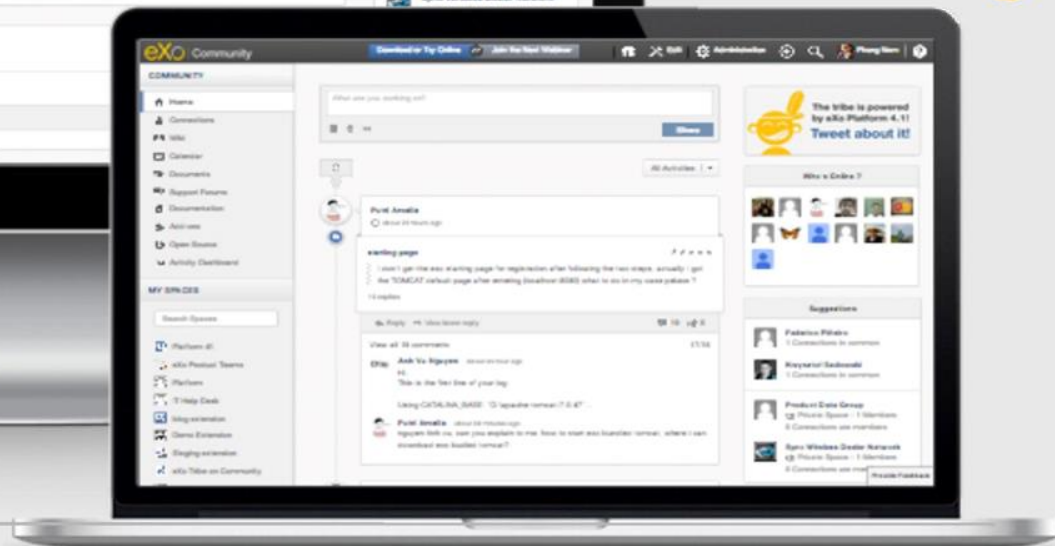
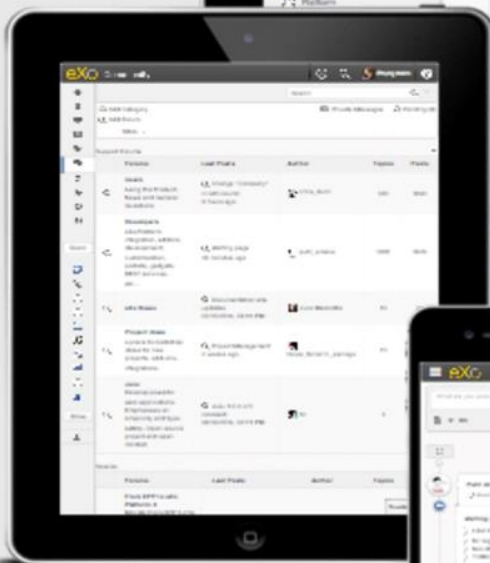
The Bootstrap history



TODAY

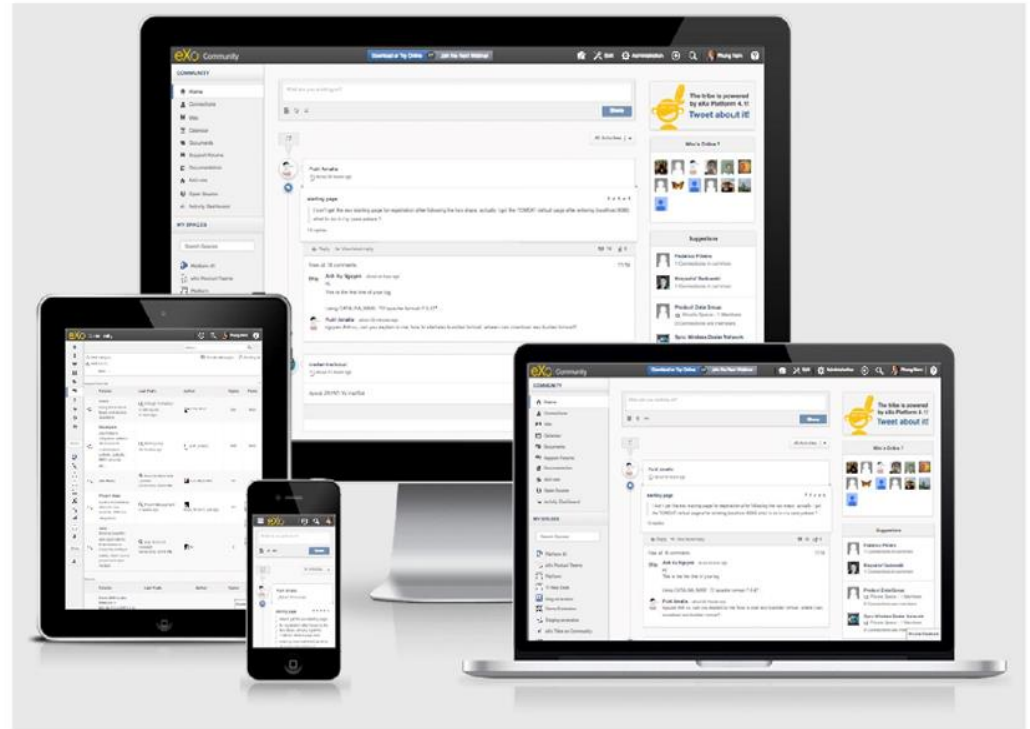


A unique
Wonderful
desktop
screen is
not enough



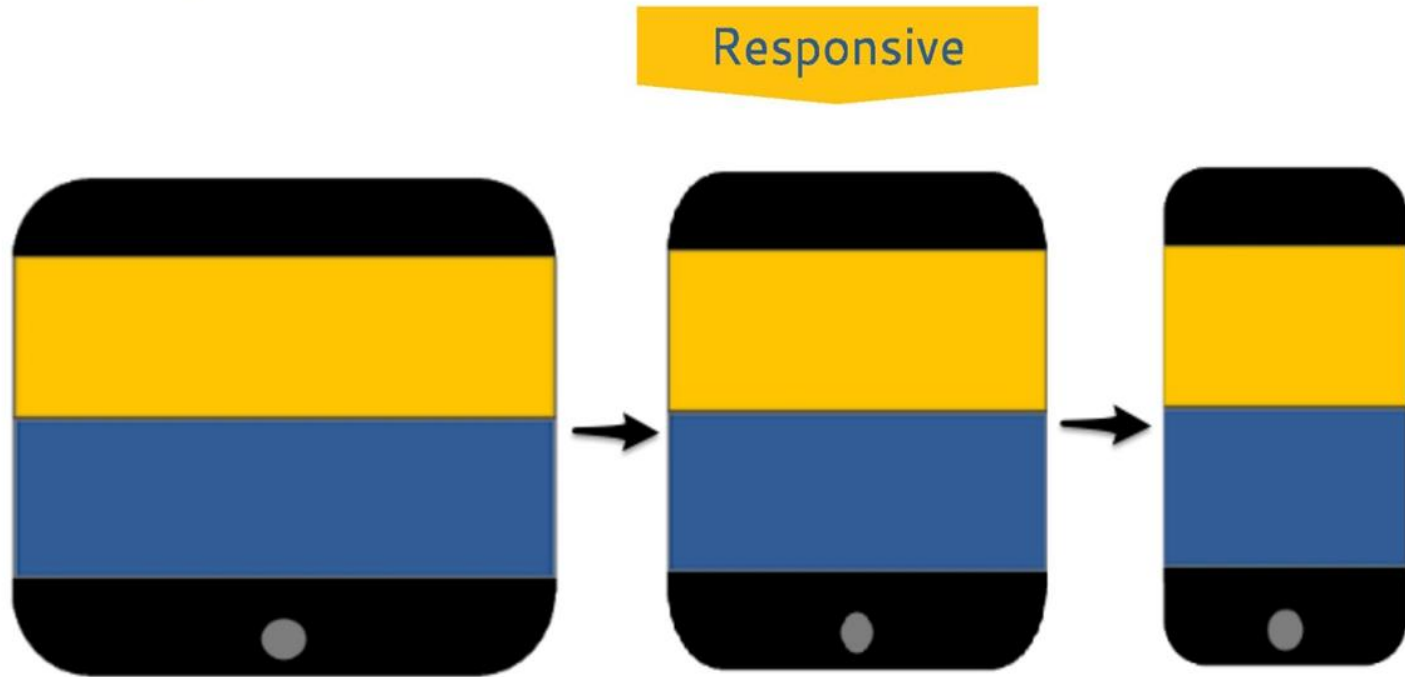
What is Responsive Design ?

A unique site that can adapt to any screen size, today or in the future.



Responsive vs Adaptive

Continuously
resizes when
change the
width of your
screen, no
extra empty
space on the
sides



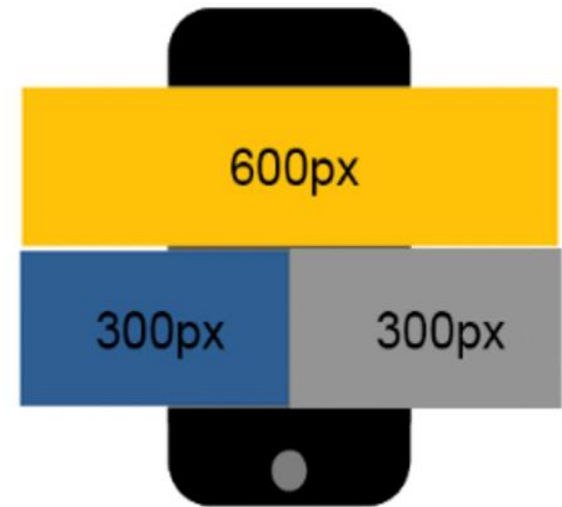
Relative units vs Static units

Use relative units, like percent can adapt to any screen, instead of static units like pixels.

Relative units



Static units



Flow vs Static

The data content flowing smoothly when screen size change. It's what we name flow in Responsive Design.

Flow



Static

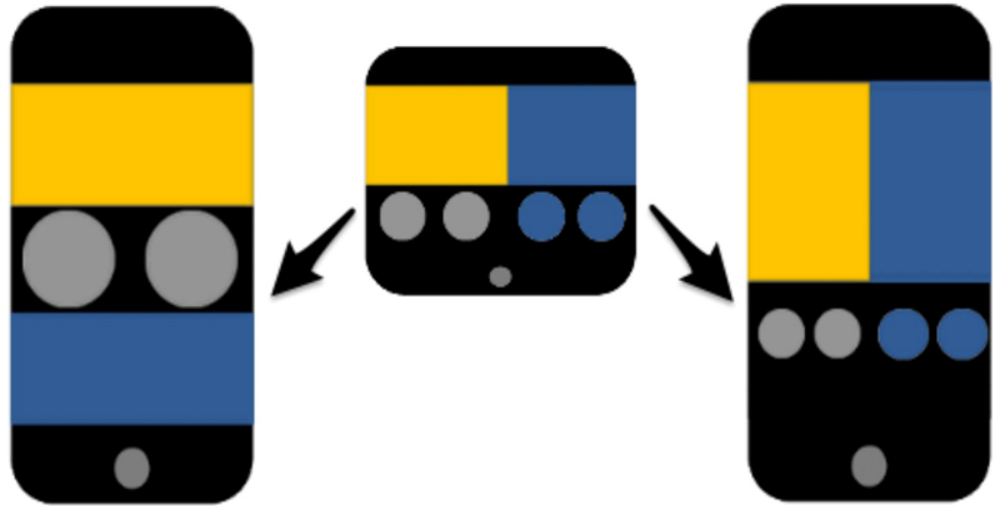


With Breakpoints vs Without Breakpoints

With Breakpoints

Without Breakpoints

Predict
breakpoints when
screen size change
allow to adapt
your content to
the screen size



Vectors vs Images

A vector image adapts with **Retina** resolutions. Quality is the same whatever is the resolution of your screen

Vector



Image



Main features of Bootstrap



Preprocessors

One framework,
every devices

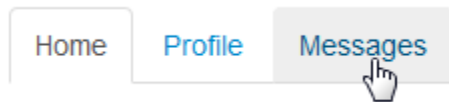
Full of
features

Bootstrap Features: Components (CSS)

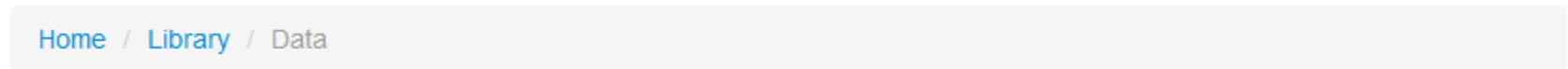
▶ Buttons:



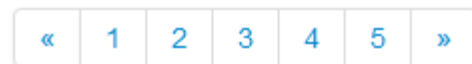
▶ Tabs:



▶ Breadcrumb:



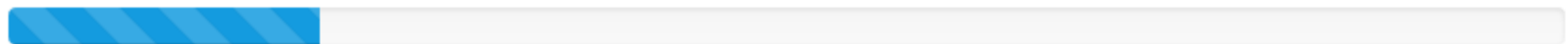
▶ Pagination:



▶ Alerts:



▶ Progress bar:



Bootstrap Features: JavaScript

Popover top

Sed posuere consectetur est at lobortis. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum.

Modal header



One fine body...

Close

Save changes



Bootstrap Features: Customization

► CSS Components

Scaffolding

- ☒ Normalize and reset
- ☒ Body type and links
- ☒ Grid system
- ☒ Layouts

Base CSS

- ☒ Headings, body, etc
- ☒ Code and pre
- ☒ Labels and badges
- ☒ Tables
- ☒ Forms
- ☒ Buttons

Components

- ☒ Button groups and dropdowns
- ☒ Navs, tabs, and pills
- ☒ Navbar
- ☒ Breadcrumbs
- ☒ Pagination
- ☒ Pager
- ☒ Thumbnails
- ☒ Alerts
- ☒ Progress bars
- ☒ Hero unit
- ☒ Media component

Miscellaneous

- ☒ Media object
- ☒ Wells
- ☒ Close icon
- ☒ Utilities
- ☒ Component animations

Responsive

- ☒ Visible/hidden classes
- ☒ Narrow tablets and below (<767px)
- ☒ Tablets to desktops (767-979px)
- ☒ Large desktops (>1200px)
- ☒ Responsive navbar



Bootstrap Features: Customization

► JavaScript (jQuery)

☒ Transitions (required for any animation)

☒ Modals

☒ Dropdowns

☒ Scrollspy

☒ Togglable tabs

☒ Tooltips

☒ Popovers (requires Tooltips)

☒ Affix

☒ Alert messages

☒ Buttons

☒ Collapse

☒ Carousel

☒ Typeahead

► JavaScript (Mootools)

<http://anutron.github.com/mootools-bootstrap>



Bootstrap Features: Customization

► CSS variables (Less)

Form states & alerts

@warningText

#c09853

@warningBackground

#fcf8e3

@errorText

#b94a48

@errorBackground

#f2dede

@successText

#468847

@successBackground

#dff0d8

@infoText

#3a87ad

@infoBackground

#d9edf7

```
// LESS

@color: #4D926F;

#header {
  color: @color;
}
h2 {
  color: @color;
}
```

```
/* Compiled CSS */
```

```
#header {
  color: #4D926F;
}
h2 {
  color: #4D926F;
}
```

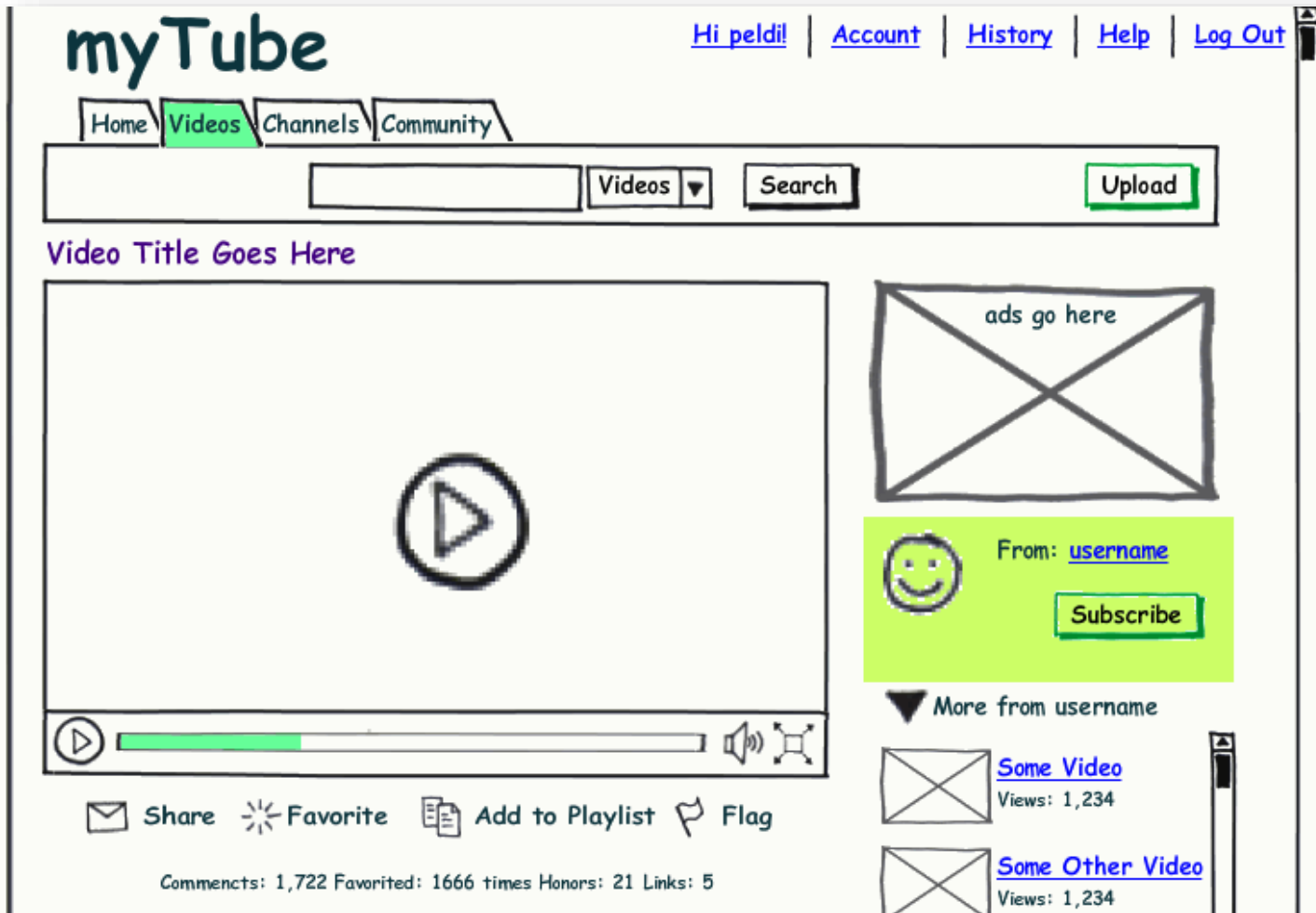
► <http://lesscss.org>

Why using Bootstrap?: Great Features

- ▶ Grid System
- ▶ Dozens of CSS components
- ▶ JavaScript plugins
- ▶ Web-based Customizer



Why using Bootstrap?: Live mockups



Why using Bootstrap?: Live mockups

Welcome back, Admin.

You are currently signed up to the Free Trial Plan.

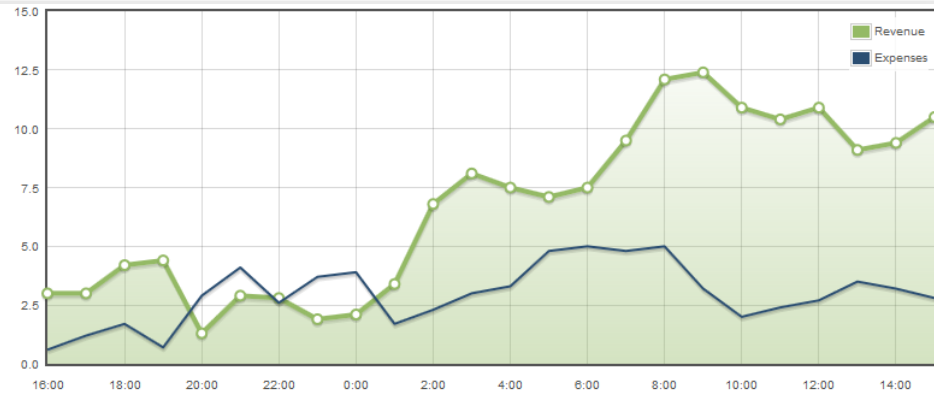
[Upgrade your plan today.](#)

789 Visits Today

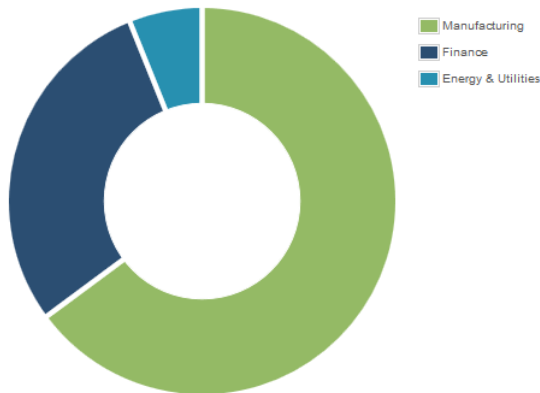
634 Unique Visits

13 Pending Comments

17 Support Requests



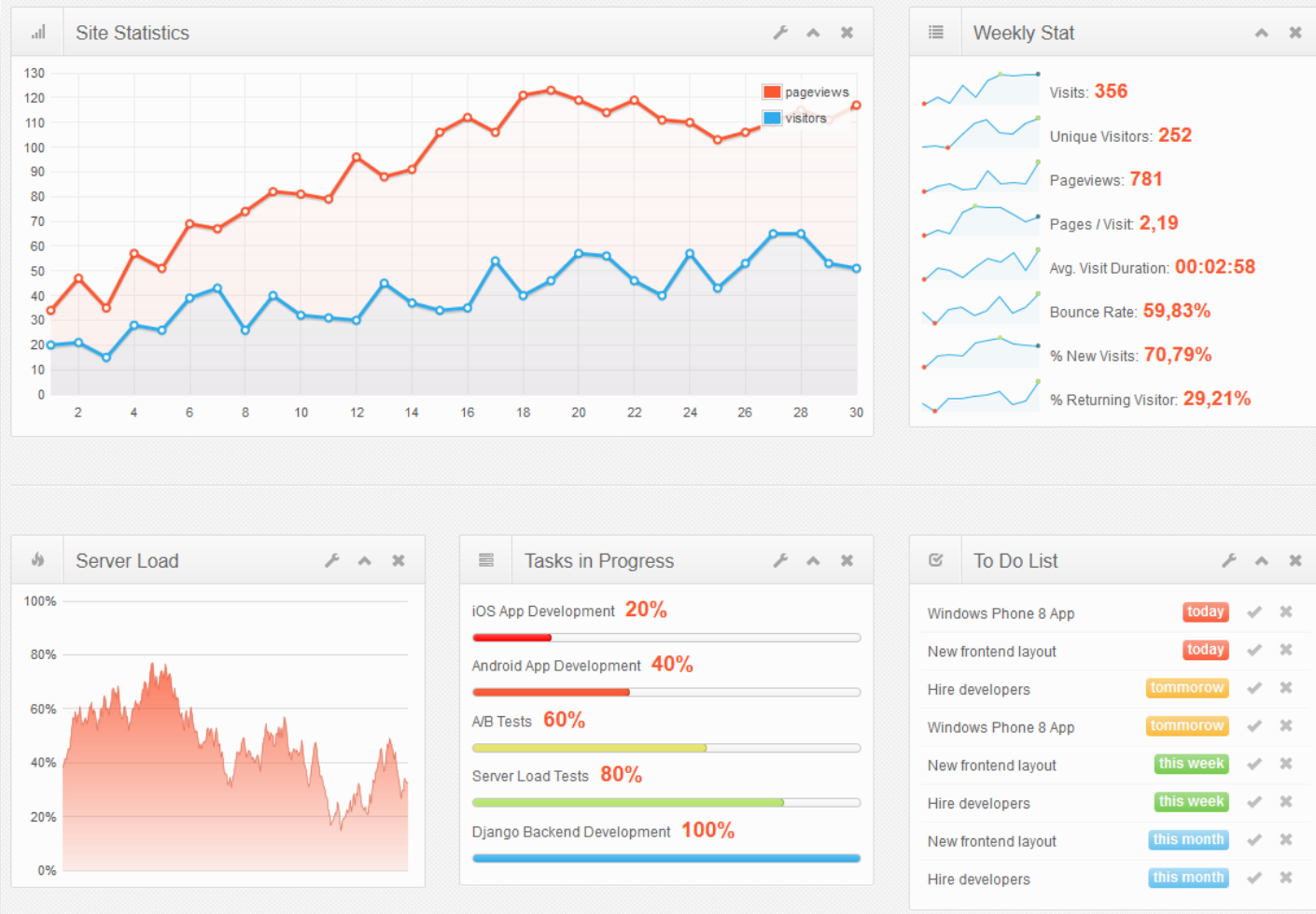
Sales



Support Request

Label	Subject	User
Open	Lorem ipsum dolor sit amet	Posted by Bill
Open	Consectetur adipiscing	Posted by Pam
Open	Sed in porta lectus maecenas	Posted by Curtis
Closed	Dignissim enim	Posted by John
Responded	Duis nec rutrum lorem	Posted by James
Closed	Maecenas id velit et elit	Posted by Sam
Responded	Duis nec rutrum lorem	Posted by Carlos

Why using Bootstrap?: Live mockups



Why using Bootstrap?: Live mockups

- ▶ Easy creation of proof of concept
- ▶ Ability to gather alpha testers feedbacks early in the project without doing any code (Agile)
- ▶ HTML scaffolding ready to use by developers (copy – past)



Advantage

- Create a web application very **fast**
 - It's natively **responsive framework**
 - It's fully and easily **customisable**
-

Disadvantage

Hey! My new website **looks just like everyone else's!**



Disadvantage

No backward **compatibility**
between versions



Competitors



Skeleton



Foundation
Start here, build everywhere.

