

# COMPONENT BASED DESIGN AND DEVELOPMENT

# CRISTINA CHUMILLAS

@chumillas / ckrina

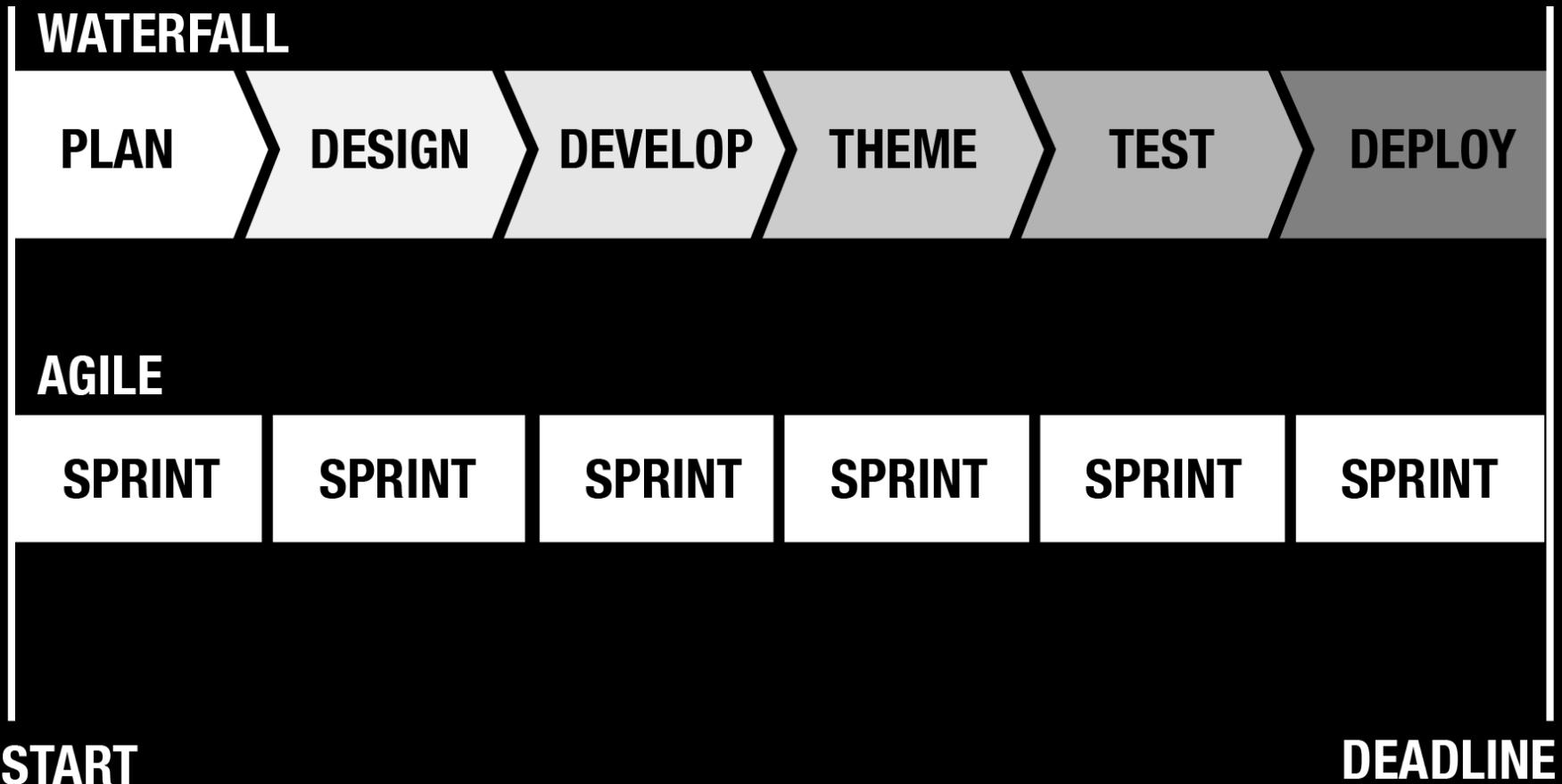
Designer and frontend developer at Ymbra



# WHAT ARE WE GOING TO TALK ABOUT

- Components
- CSS Methodologies
- Design Systems
- Styles Guides
- In Drupal

# WEB PROJECTS



**WATERFALL**



**MAINTENANCE**

**AGILE**



**MAINTENANCE**

**START**

**DEADLINE**



vs

**RESPONSIVE  
INTERACTIONS**

...

# COMPONENTS

## Agenda

**01**  
FEB

**Morbi leo risus porta ac**

19:30h

**30**  
JAN

**Fusce dapibus, tellus ac cursus  
commodo, tortor mauris**

19:30h

**30**  
JAN

**Cras mattis consectetur purus sit  
amet fermentum nulla vitae elit  
libero, a pharetra augue.**

19:30h

[READ MORE >](#)

## Agenda

**01**  
FEB

**Morbi leo risus porta ac**

19:30h

**30**  
JAN

**Fusce dapibus, tellus ac cursus  
commodo, tortor mauris**

19:30h

**30**  
JAN

**Cras mattis consectetur purus sit  
amet fermentum nulla vitae elit  
libero, a pharetra augue.**

19:30h

[READ MORE >](#)

## Agenda

**01**  
FEB

**Morbi leo risus porta ac**

*19:30h*

**30**  
JAN

**Fusce dapibus, tellus ac cursus  
commodo, tortor mauris**

*19:30h*

**30**  
JAN

**Cras mattis consectetur purus sit  
amet fermentum nulla vitae elit  
libero, a pharetra augue.**

*19:30h*

[READ MORE >](#)

## Agenda

**01** Morbi leo risus porta ac  
FEB 19:30h

**30** Fusce dapibus, tellus ac cursus  
commodo, tortor mauris  
JAN 19:30h

**30** Cras mattis consectetur purus sit  
amet fermentum nulla vitae elit  
libero, a pharetra augue.  
JAN 19:30h

[READ MORE >](#)

```
<div class="agenda">

    <h2 class="agenda__title">Agenda</h2>

    <ul class="agenda__content">
        <li class="event">...</li>
        <li class="event">...</li>
        <li class="event">...</li>
    </ul>

    <a class="agenda__readmore" href="agenda">
        Read more
    </a>

</div>
```

The image shows a wireframe of a mobile application interface. At the top is a header bar with three dots on the left and four squares on the right. Below the header is a large, dark gray rectangular area. To the left of this area is a sidebar containing several horizontal bars of varying lengths. On the right side, there is a vertical panel labeled "Agenda". This panel has a green header with the word "Agenda". It lists three items: "01 FEB Morbi leo risus porta ac 10:30", "30 JAN Fusce dapibus, tellus ac cursus commodo, tortor mauris 10:30", and "30 JAN Cras mattis consectetur purus sit amet fermentum nulla vitae elit libero, a pharetra augue. 10:30". A "READ MORE >" button is located at the bottom of the agenda list. The bottom of the screen features a dark gray footer bar.

**Agenda**

01 FEB Morbi leo risus porta ac 10:30

30 JAN Fusce dapibus, tellus ac cursus commodo, tortor mauris 10:30

30 JAN Cras mattis consectetur purus sit amet fermentum nulla vitae elit libero, a pharetra augue. 10:30

READ MORE >

# CSS METHODOLOGIES

# BEM

(Block Element Modifier)

```
.site-search {}          /* Block */  
.site-search__field {} /* Element */  
.site-search--full {}  /* Modifier */
```

# BEM

(Block Element Modifier)

```
<div class="block-name__wrapper">
  <div class="block-name">
    <h2 class="block-name__title">Block title</h2>
    <p class="block-name__text">Block text</p>
  </div>
</div>
```

# BEM

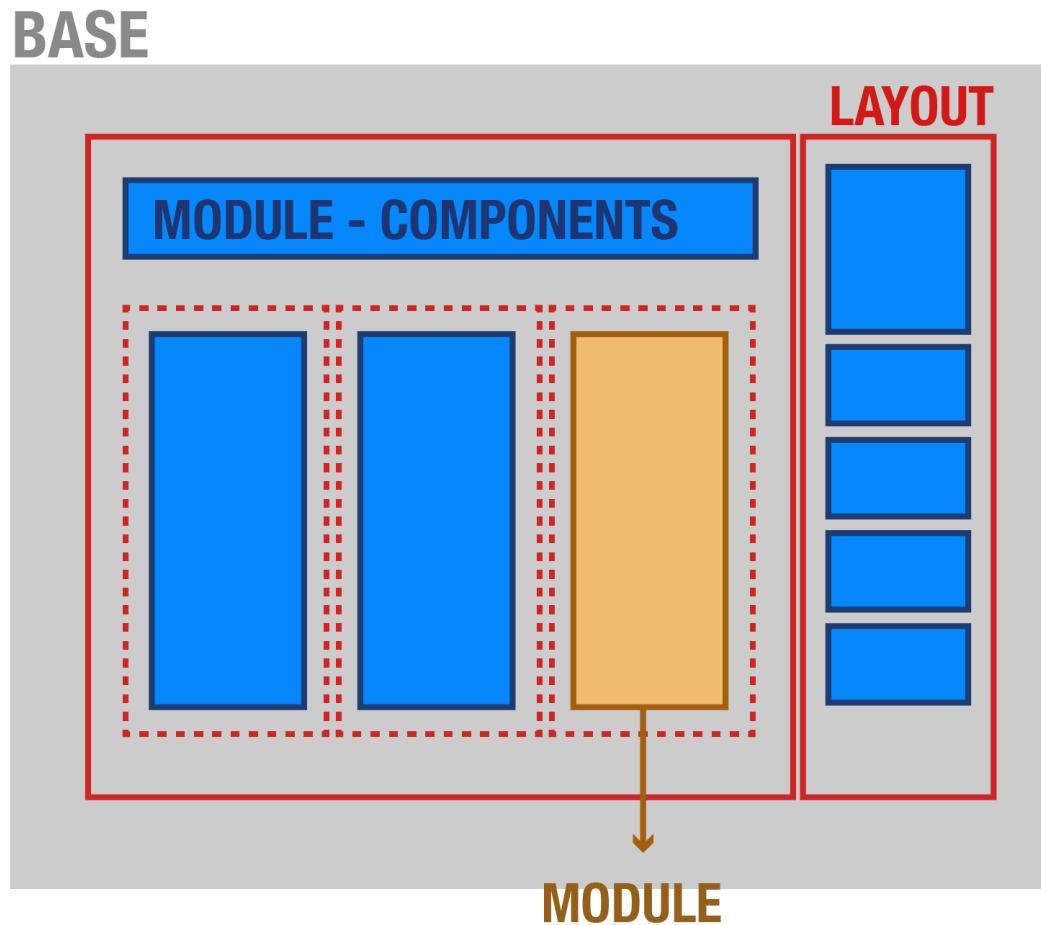
(Block Element Modifier)

```
<div class="block-name--big">
  <h2 class="block-name__title">Block title</h2>
  <p class="block-name__text">Block text</p>
</div>
```

# SMACSS

- Base
- Layout
- Module (Components)
- State
- Theme

# SMACSS



# DESIGN SYSTEMS

*Everything that makes up your product.*

--Mark Otto, FOWA 2013

Everything.

Typography, layouts and grids, colors, icons, components, coding conventions

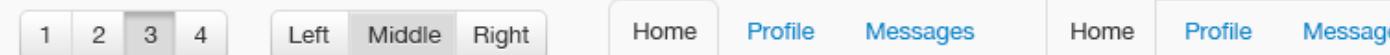
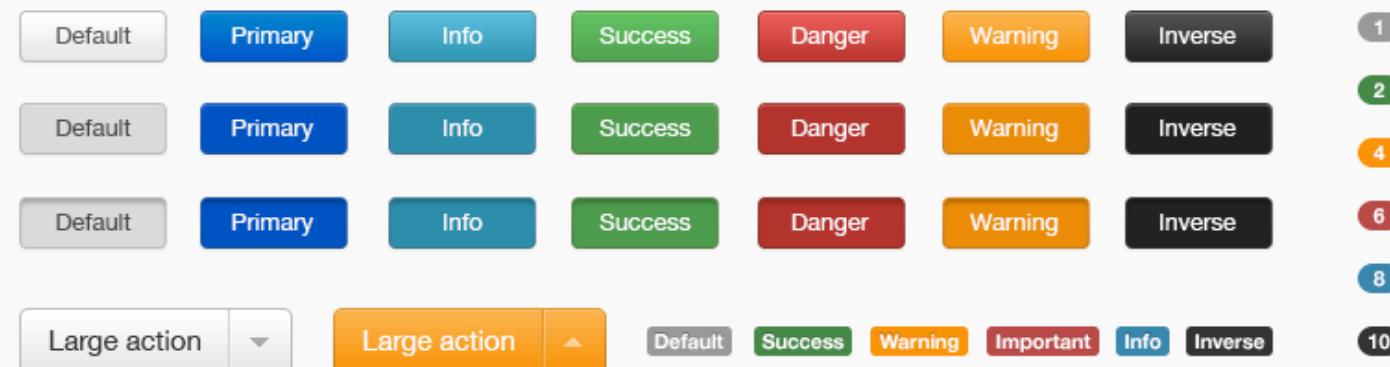
*“We’re not designing pages, we’re  
designing systems of components.”*

--Stephen Hay

# Buttons and navigation

Use these vector based elements to mockup a Bootstrap website with form elements.

All elements are full customizable.



Seconday link  
Something else here

Home  
Profile  
Messages

Home  
Profile  
Messages

Home  
Library  
Applications

**UI KIT**

This UI kit is a collection of modern, clean and multipurpose UI elements for web and mobile projects. It includes components for navigation, forms, typography, tables, charts, and more. The kit is designed to be used as a starting point for your own projects, or as a complete solution for a specific purpose.

**FEATURES**

- Modern and clean design
- Multipurpose for web and mobile
- Includes navigation, forms, typography, tables, charts, and more
- Easy to customize and adapt
- Responsive design
- Free download

**ABOUT US**

Thomsoon is a front-end developer, UI/UX designer and video producer. He has experience in creating responsive websites, mobile applications, and video content. He is passionate about design and always looking for new challenges.

**PORTFOLIO**

Thomsoon's portfolio includes various projects such as websites, mobile applications, and video content. You can view his work by clicking on the "LOAD MORE" button.

**CONTACT**

If you have any questions or need further information, please don't hesitate to contact Thomsoon. You can reach him via email at [thomsoon@thomsoon.com](mailto:thomsoon@thomsoon.com).

**WEATHER**

**WARSZAWA**

FRI 24/05	26°C	DRY
Cloudy	26°C	DRY

**TODAY**

FRI 24/05	26°C	DRY
Cloudy	26°C	DRY

**YESTERDAY**

FRI 24/05	26°C	DRY
Cloudy	26°C	DRY

**STATISTICS**

The chart shows a fluctuating trend with values ranging from approximately 10 to 35. A callout bubble indicates a value of 35 for the end of March.

**CLEAN**

Free UI kit clean and modern multipurpose free for all.

**AUTOR**

Tomasz Mazurczak

**SHARE**

[f](#) [t](#)

**MY WORK**

**LOAD MORE**

**CALENDAR**

NOVEMBER 2014

27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

**STATISTICS**

The chart shows a general upward trend with values increasing from January to March. A callout bubble indicates a value of 35 for March.

**PLAN HOSTING**

FREE	PRO	EXTREME
2 DOMAINS	2 DOMAINS	100 DOMAINS
200MB SPACE	20GB SPACE	1TB SPACE
1TB TRANSFER	10TB TRANSFER	100TB TRANSFER
\$ ADDRESS E-MAIL	25 ADDRESS E-MAIL	200 ADDRESS E-MAIL
<b>\$ 0.00</b>	<b>\$ 9.99</b>	<b>\$ 19.99</b>

**TAGS**

thomsoon, Free, UI, UX, Download

**COMMENTS**

**THOMSOON** | 12 July 2014, 20:02 / reply

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

**ARCHIQ** | 12 July 2014, 20:05 / reply

Lore ipsum dolor sit amet, consectetur elit, sed do eiusmod tempor incididunt et dolore...

Your name:  Your e-mail:   
Message:  SEND

**ONE ITEM**

Front-end developer, UI/UX designer and video producer

**SETTINGS**

RESPONSIVE  CUSTOM STYLE CSS

**HOME**

**ABOUT US**

**PORTFOLIO & WORK**

**BLOG**

**CONTACT**

**34 clients**

**HOME**

**ABOUT US**

**PORTFOLIO**

**CONTACT**

**THOMSOON.COM**

**BY TOMASZ MAZURCZAK**

**LOGIN**

LOGIN:  THOMSOON:  PASSWORD:

Jan Feb Mar

# WHY DESIGN SYSTEMS?

Reusable work - COMPONENTS

More efficient projects

Large-scale ready code

Everybody knows how everything works

Integrates multi-disciplinary workflow

# CARD DESIGN

Drupal Community on Google+



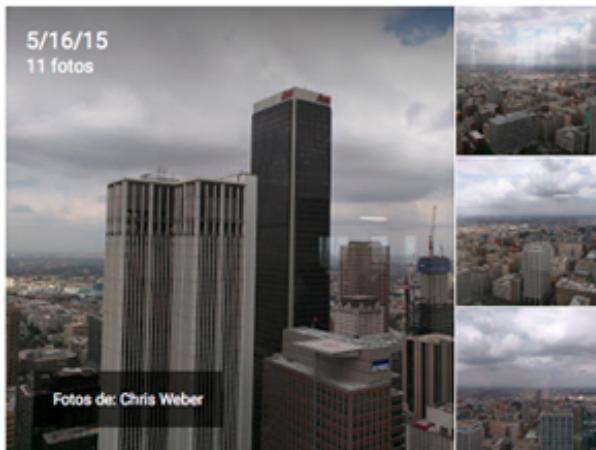
Chris Weber PROPIETARI

General Discussion - 1:04

Extended contribution sprint day is not over, but it is for me. I'm headed back to the airport and getting set to fly home.

It has been a fun weekend in LA. And I'm already looking forward to Més informació - Tradueix

5/16/15  
11 fotos



Fotos de: Chris Weber

+2



Afegeix un comentari...

DrupalCon Barcelona  
@DrupalConEur



Seguint

The local community has a message for you:  
see you in Barcelona in September!  
[vimeo.com/127909941](https://vimeo.com/127909941)

Mostra-ho traduit



...

Vimeo



Barcelona locals message

[View on web](#)

RETUTS

6

PREFERIT

1



18:42 - 15 maig 2015



Resposta a @DrupalConEur

DrupalCon

4 hores -

Meet the amazing sprint mentors from Friday's mentored sprints in Los Angeles

[See Translation](#)



759 persones d'abast

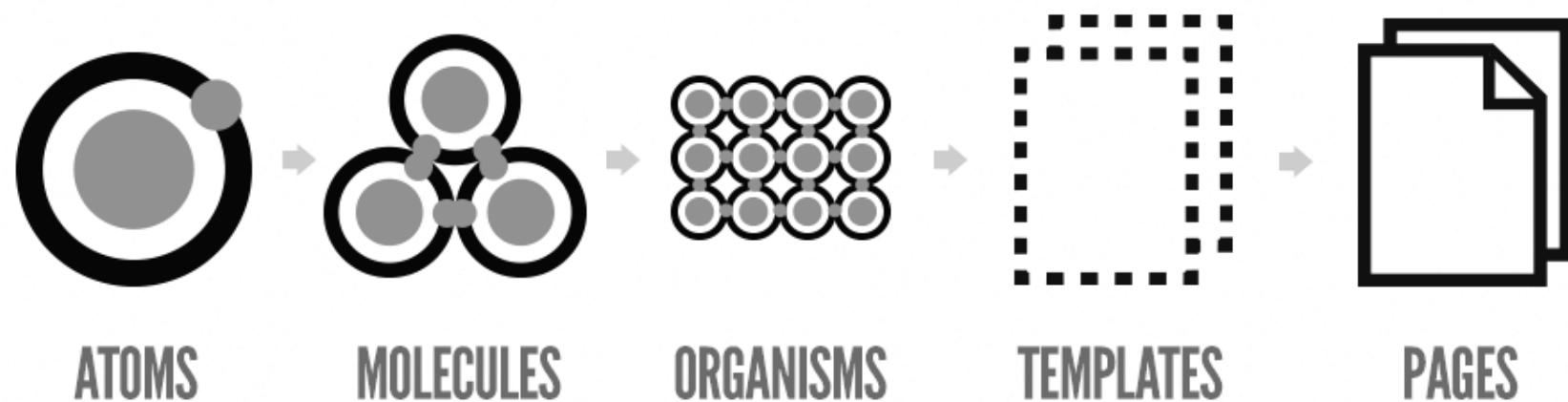
[Promociona la publicació](#)

M'agrada · Comenta-ho · Comparteix · 31 3 1



# ATOMIC DESIGN

# BRAD FROST



Your name

Your name



Your name

Your e-mail

Message

SEND



Front-end developer, UI/Web designer  
and video producer

---

## COMMENTS



**THOMSOON** | 12 July 2014, 20:02 / [reply](#)

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do tempor incididunt ut labore et dolore magna aliqua. Ut enim ad veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip commodo consequat.



**ARCHIQ** | 12 July 2014, 20:05 / [reply](#)

Lorem ipsum dolor sit amet, consectetur  
elit, sed do eiusmod tempor incididunt  
et dolore...

---

Your name

Your e-mail

Message

SEND

 THOMSOON

HOME ABOUT US PORTFOLIO CONTACT SEARCH... Q



CLEAN high resolution

DESCRIPTION AUTOR SHARE

From UI to clean web designs  
With love for pixel perfect art.

THOMSON

You are logged in.  
Logout

Front-end developer, ui/ux designer  
and video producer

COMMENTS

THOMSON 02 July 2014, 20:00 / reply

Curabitur tincidunt in lacus, congue dolor id nisi, euismod  
tempor nisl id lacus in lacus magna aliquam. Ut enim ad  
metum, quis metus id interdum. Ut enim admetum, quis metus id  
interdum.

Name Email

Message

SEND

BY TOMASZ MAZURCZAK

HOME ABOUT US PORTFOLIO & WORK BLOG CONTACT

SEE MORE DOWNLOAD

COMMENTS

MY WORK

03/14 RETRO STYLE KEYBOARD

READ MORE

**WHEN?**

# WIREFRAMES

Static wireframes vs HTML Wireframes

# STATIC WIREFRAMES

- They're abstractions
- They're full of assumptions
- They're verbose
- They're a crutch

# HTML WIREFRAMES

- They get into the browser quicker
- They reinforce the notion that you're creating a website
- They're interactive
- They allow for living, breathing annotations
- They lay the foundation for the final product

# DESIGNING IN THE BROWSER

- PSD/ for early planning/research phases
- The composition in the browser
- Make decisions in the browser
- Reusable work

# STYLE GUIDES

Documentation of a Design System

# GOV.UK — Colours

## Standard palette, colours

---

### Purple

#2e358b  
rgb(46, 53, 139)

#9799c4  
rgb(151, 153, 196)

#d5d6e7  
rgb(213, 214, 231)

### Mauve

#6f72af  
rgb(111, 114, 175)

#b7b9d7  
rgb(183, 185, 215)

#e2e2ef  
rgb(226, 226, 239)

### Fuschia

#912b88  
rgb(145, 43, 136)

#c994c3  
rgb(201, 148, 195)

#e9d4e6  
rgb(233, 212, 230)

### Pink

#d53880  
rgb(213, 56, 128)

#eb9bbe  
rgb(235, 155, 190)

#f6d7e5  
rgb(246, 215, 229)

### Baby Pink

#f499be  
rgb(244, 153, 190)

#faccdf  
rgb(250, 204, 223)

### Red

#b10e1e  
rgb(177, 14, 30)

#d9888c  
rgb(217, 136, 140)

### Mellow Red

#df3034  
rgb(223, 48, 52)

#ef9998  
rgb(239, 153, 152)

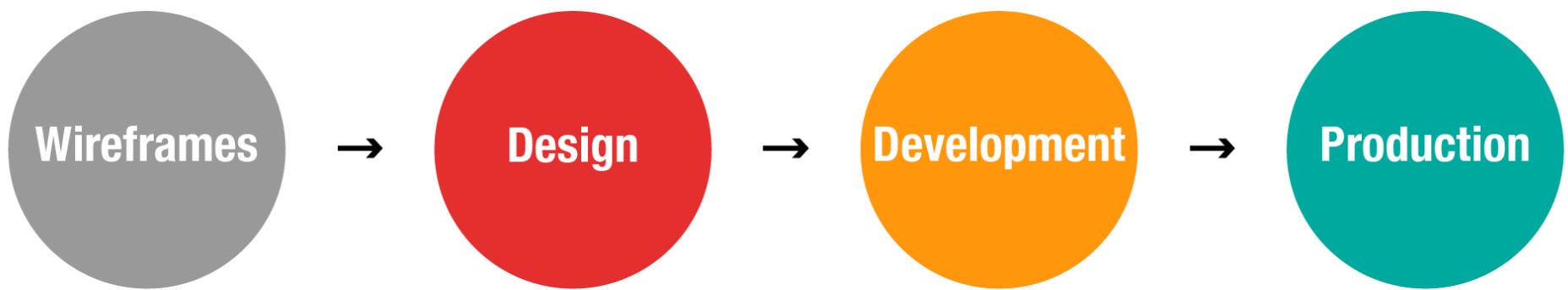
### Orange

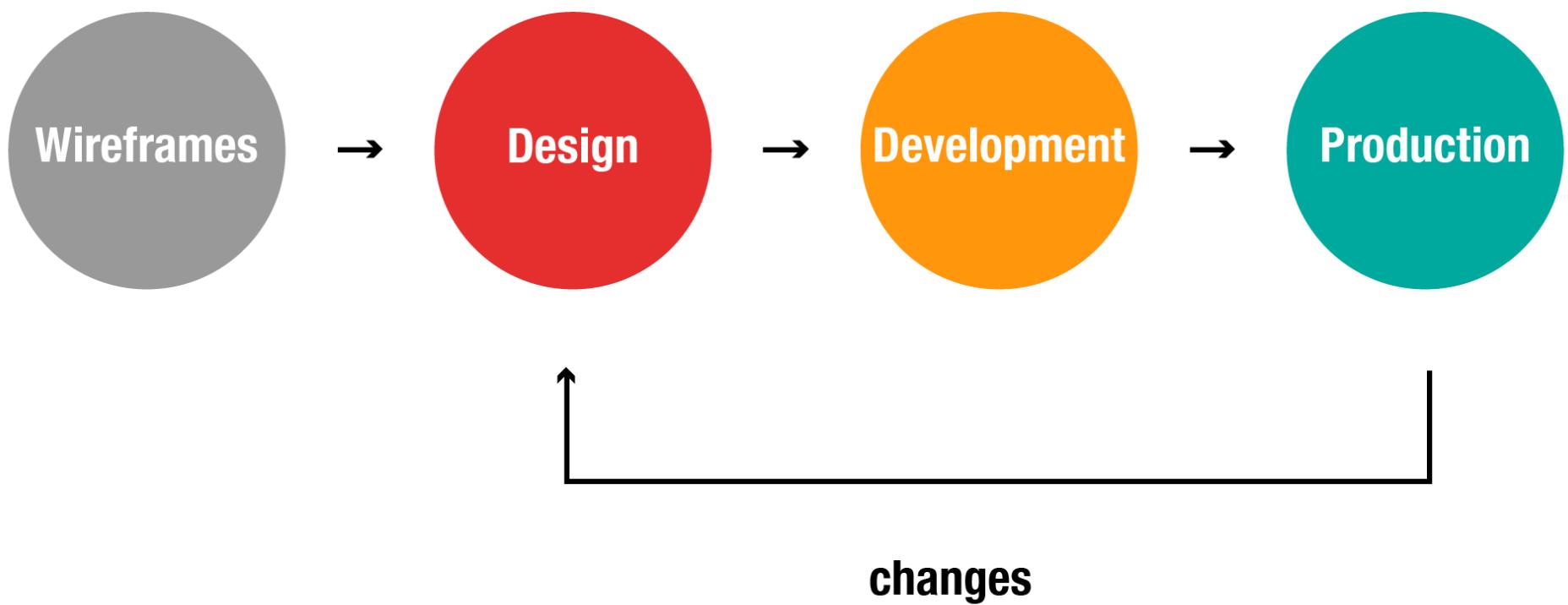
#f47738  
rgb(244, 119, 56)

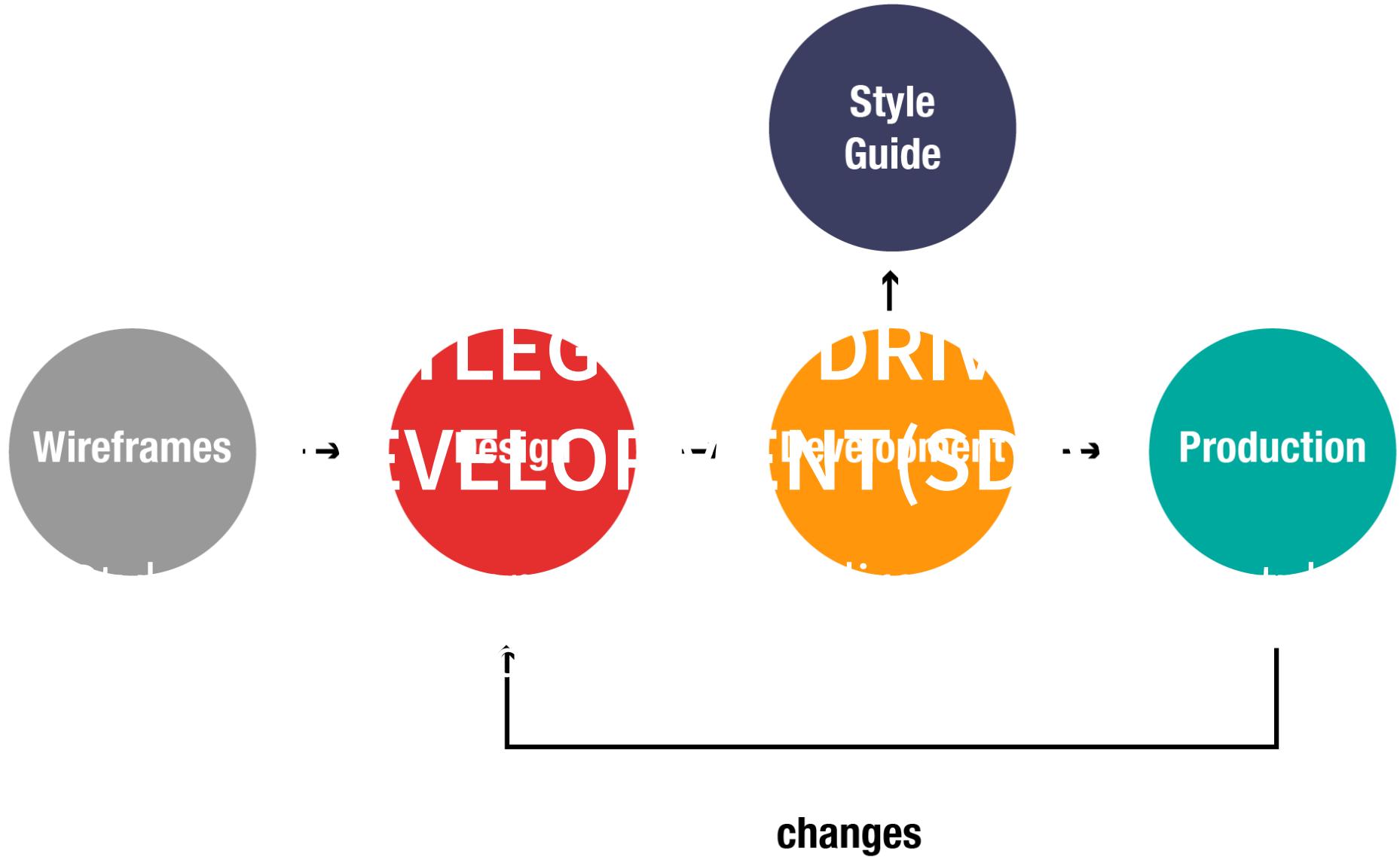
#fabb96  
rgb(250, 187, 150)

# WHY?

- Improve User Experience
- Easy onboarding of new team members
- Efficient Design and Development
- Makes Testing easier







# STYLE GUIDES

Drupal Style Guide module

KSS (Knyle Style Sheets) (Zen 6)

Pattern Lab

# STYLE GUIDES - RESOURCES

[styleguides.io](https://styleguides.io)

Articles, Books, Podcasts, Talks, Tools, Examples, etc.

# IN DRUPAL

# ADAPT TO AGNOSTIC STYLE GUIDES

1. Wrapping components
2. Changing default markup

# UI COMPONENTS TO DRUPAL COMPONENTS CODING

- Field formatter
- `hook_alter`
- Process and preprocess functions
- ...

# UI COMPONENTS TO DRUPAL COMPONENTS

## DISPLAY SUITE

### View modes

**Current layout (after save)**



**Two column stacked**  
The default template can be found in *profiles/msfes/modules/contrib/ds/layouts/ds\_2col\_stacked*

- ds-2col-stacked--node.tpl.php
- ds-2col-stacked--node-document.tpl.php

**Select a layout**

Two column stacked ▾

# UI COMPONENTS TO DRUPAL COMPONENTS

## DISPLAY SUITE

### Field templates

**Choose a Field Template**  
Expert

**Prefix**  
You can enter any html in here.

Label	Element	Classes	Attributes
<input type="text"/>	<input type="text"/> E.g. div, span, h2 etc.	<input type="text"/> E.g. field-name-title	<input type="text"/> E.g. name="anchor"
<input type="checkbox"/> Hide label colon	<input type="checkbox"/> Add default attributes		
<input type="checkbox"/> Label wrapper			
<input type="checkbox"/> Outer wrapper			
<input type="checkbox"/> Field items			

**Field item**

Element	Classes	Attributes
<input type="text"/> h2	<input type="text"/> node_title	<input type="text"/>
E.g. div, span, h2 etc.	E.g. field-name-title	E.g. name="anchor"
<input type="checkbox"/> Add odd/even classes	<input type="checkbox"/> Add default attributes	

# UI COMPONENTS TO DRUPAL COMPONENTS

## PANELS

- Custom Panes
- Mini Panels
- Context

# THANKS!

@chumillas / ckrina