

ysdn_
_4003

Design

Advanced Topics

System

in Interactivity

Week 5

October 8 2019

Design System

Term Definition

Term Definition

Recently, the word design system term has become very popular across multiple design company. Term definition could be used in a various way according to people and company.

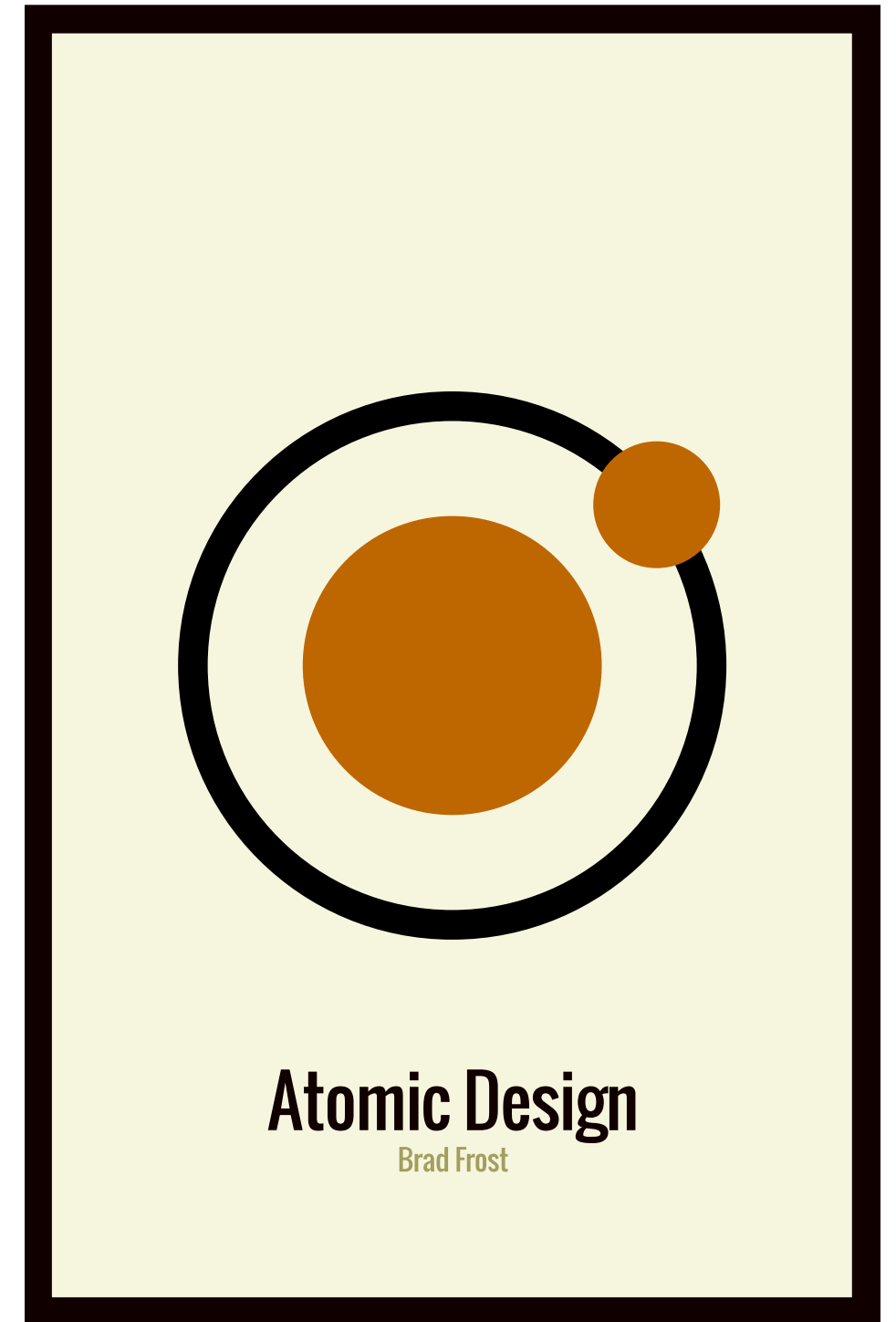
According to the book Design Systems done by Smashing magazine, design system mean a set of connected patterns and shared practices, coherently organized to serve the purposes of a digital product.

-

Design System

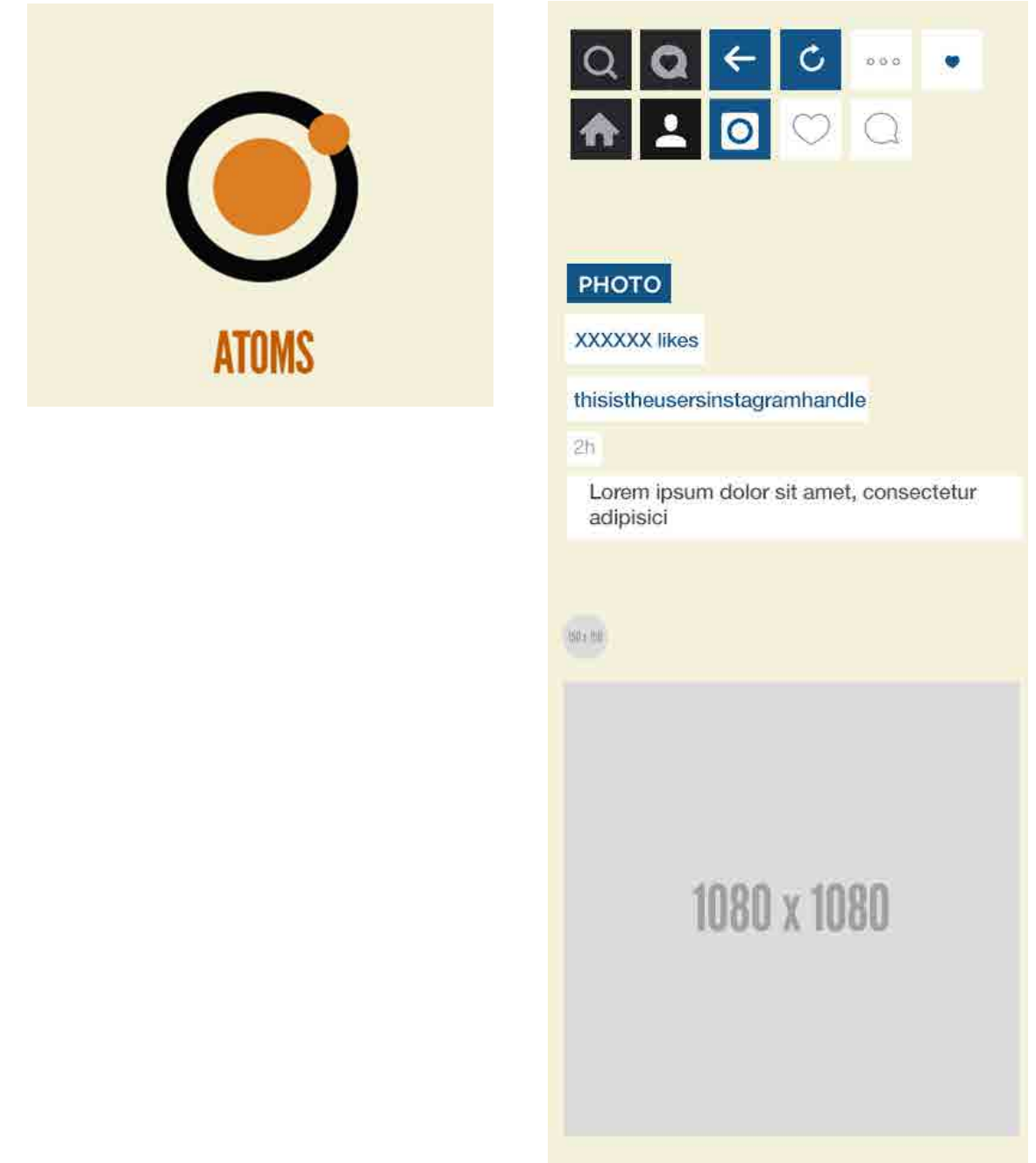
Structure

According Brad Frost, a design system is
constitute of *Atoms, Molecules, Organisms,*
Templates, Pages



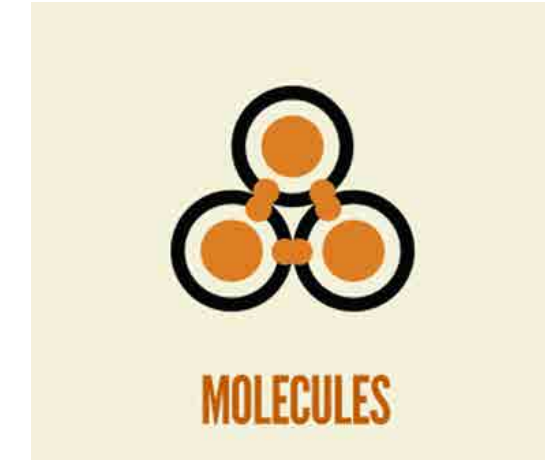
Atoms

This screen of Instagram's UI consists of a handful of icons, some text-level elements, and two image types: the primary image and the user's avatar image.



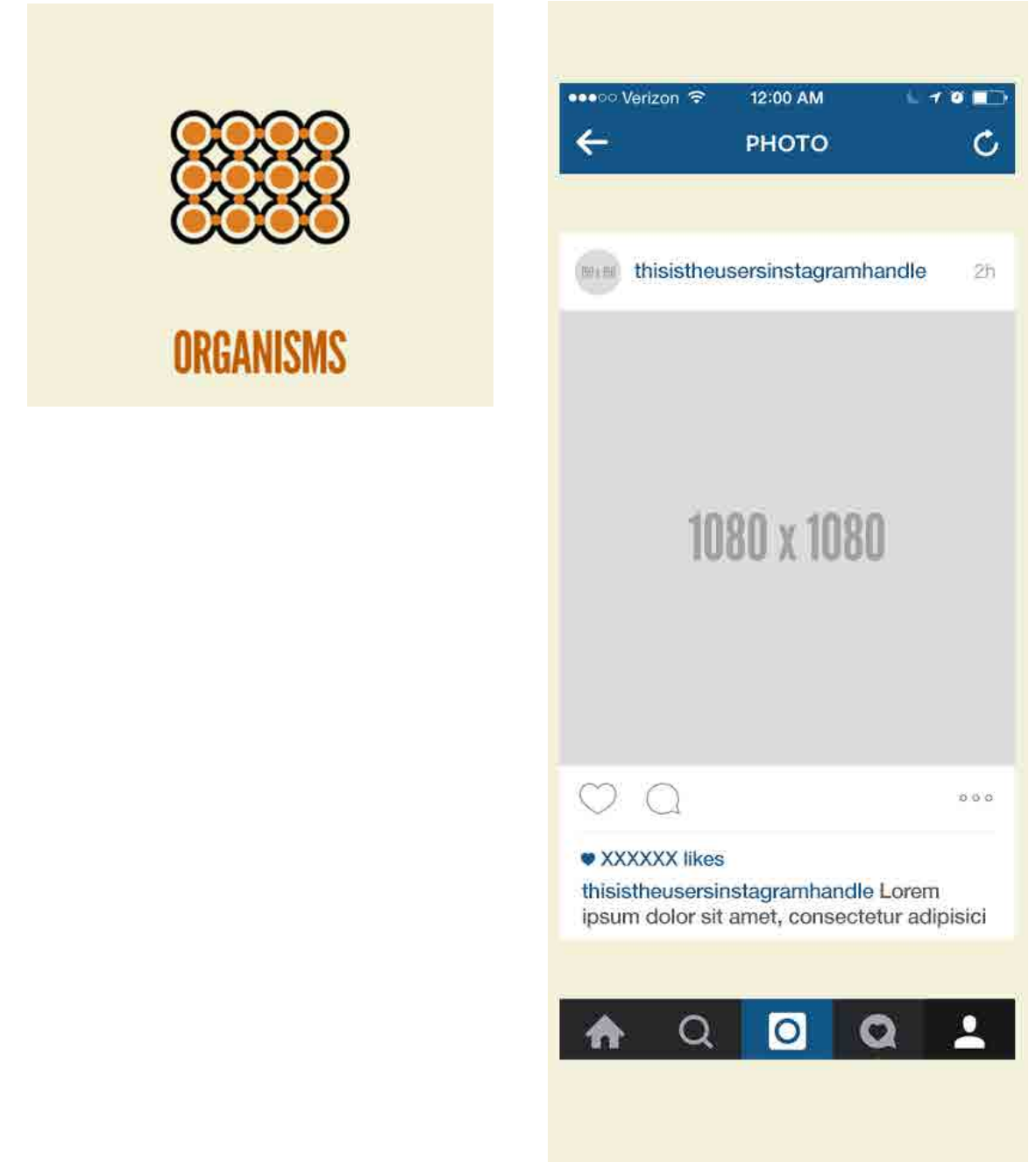
Molecules

Several icons form simple utilitarian components like the bottom navigation bar and the photo actions bar where users can like or comment on a photo. Also, simple combinations of text and/or images form relatively simple components.



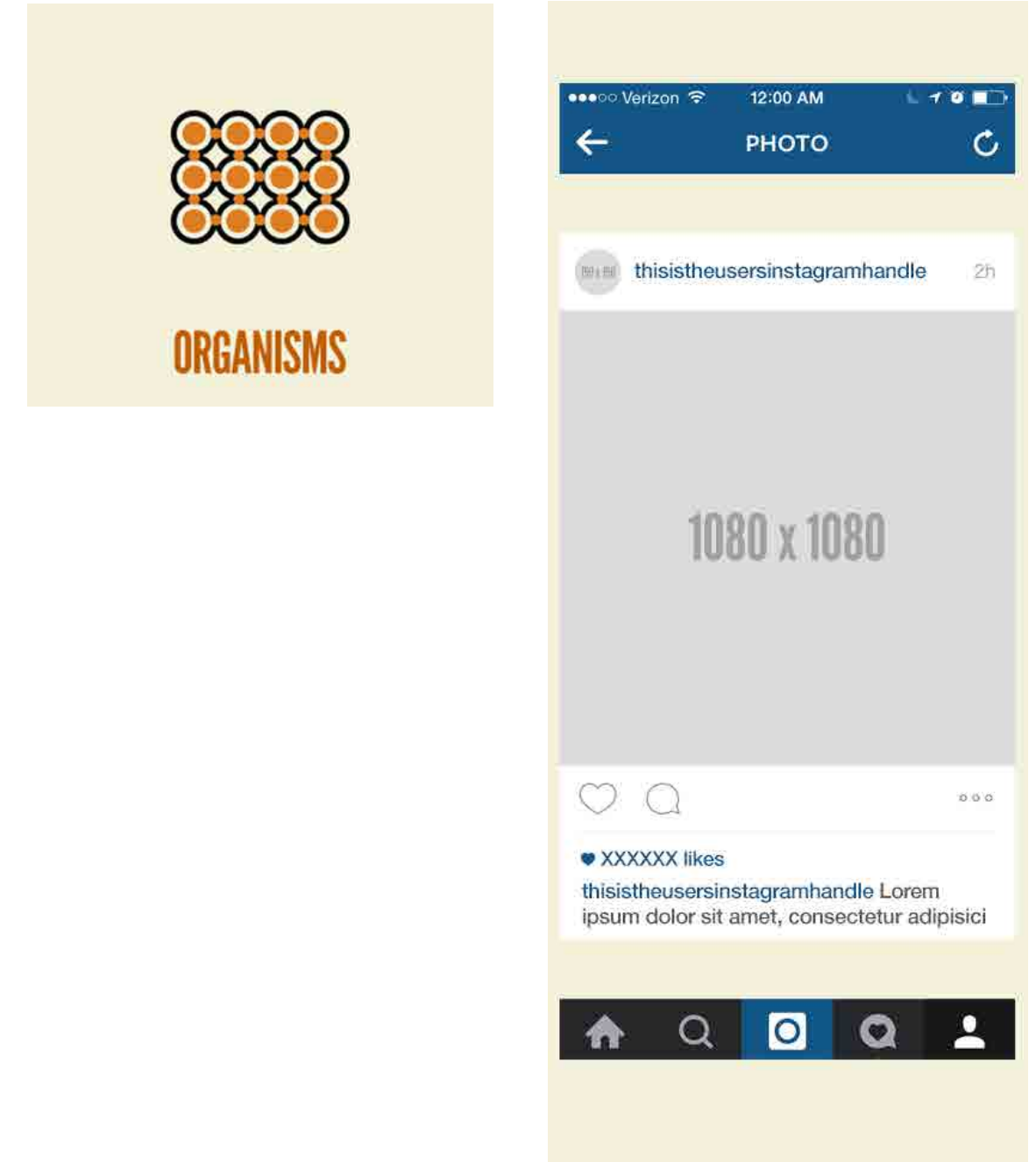
Organisms

Here we can see the photo organism take shape, which consists of the user's information, time stamp, the photo itself, actions around that photo, and information about the photo including like count and caption.



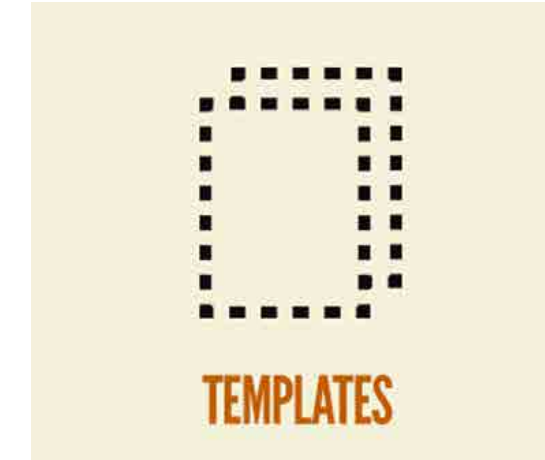
Organisms

This organism becomes the cornerstone of the entire Instagram experience as it is stacked repeatedly in a never-ending stream of user-generated photos.



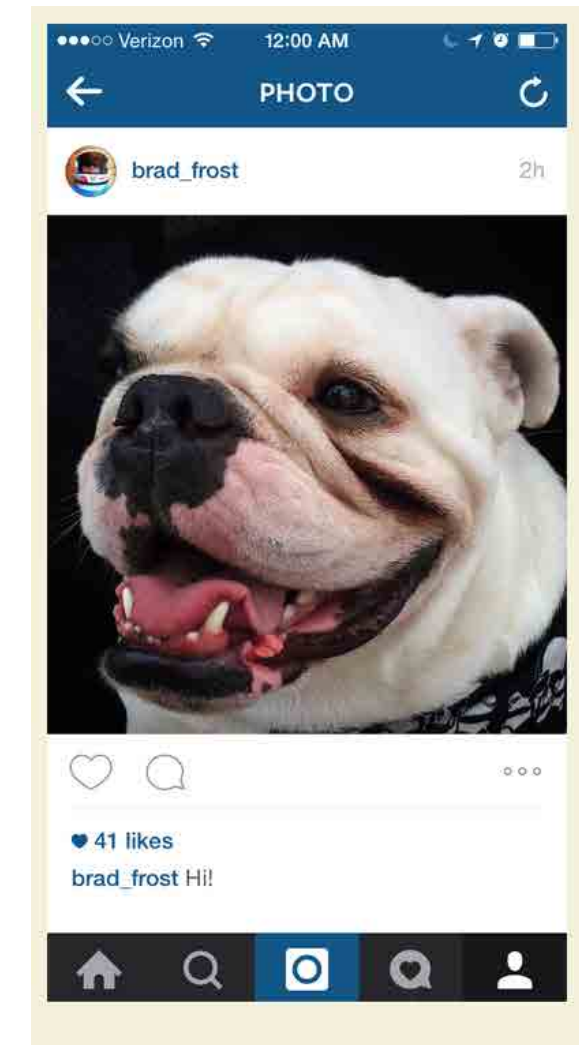
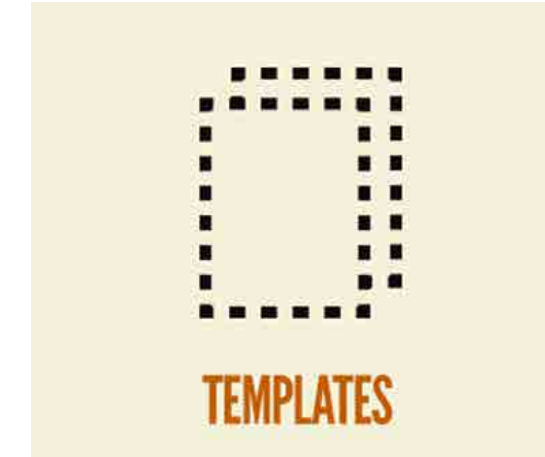
Templates

We get to see our components come together in the context of a layout. Also, it's here where we see the exposed content skeleton of the Instagram experience, highlighting dynamic content such as the user's handle, avatar, photo, like count, and caption.



Pages

And finally we see the final product, complete with real content poured into it, which helps ensure the underlying design system comes together to form a beautiful and functional UI.



Design System

Take Away

Take Away

Interfaces are built on combinations of smaller components

Reduces repetitive tasks

Ensures consistency across project(s)

Design System

Examples



Design System

Grid System

Color

Typography

Form Elements

Navigation

Tables

Lists

Slats

Stats/Data

Feedback

Dialogs

Freddicons

Mailchimp, <https://ux.mailchimp.com/patterns/color>

Helper Classes

Color

Palette

Hex

RGB

Less

Cavendish
#FFE01B

Kale
#007C89

Parsnip
#EFEDEA

Pumpkin
#F25F25

Apricot
#E7B75F

Apple
#00C14E

Feedback

Yam

Cornflower

Cucumber

Squash

<div><div>We're hiring</div><div>Design System</div><div>STYLEGUIDE</div></div> <div>FA/YSUN 4003</div>		<h2>Font sizes</h2> <p>The font scale consists of 9 different font sizes. The default size applied to the <code>body</code> is Medium.</p>
	Overview	<div>The quick brown fox jumps over the lazy dog</div> <div>46px — Extra extra extra extra large</div>
	Design	<div>The quick brown fox jumps over the lazy dog</div> <div>38px — Extra extra extra large</div>
	<div>Color Scheme</div> <div>Typography</div> <div>Animation</div> <div>Border Radius</div> <div>Box Shadow</div> <div>Layout</div> <div>Icons <div>COMING SOON</div></div>	<div>The quick brown fox jumps over the lazy dog</div> <div>28px — Extra extra large</div>
		<div>The quick brown fox jumps over the lazy dog</div> <div>20px — Extra large</div>
<div>Components</div> <div>Marvel https://marvelapp.com/styleguide/overview/introduction</div> <div>Utility</div>		<div>The quick brown fox jumps over the lazy dog</div> <div>18px — Large</div>
		<div>The quick brown fox jumps over the lazy dog</div> <div>16px — Medium</div>
		<div>The quick brown fox jumps over the lazy dog</div>

CARBON DESIGN SYSTEM

Explore the system



Getting Started

Marvel <https://marvelapp.com/styleguide/overview/introduction>

Onboarding for designers and developers who are using the system for the first time.



Guidelines

Guidance on usage and application for basic design elements.



Typography

Shopify admin provides a constrained, purposeful set of typographic styles. These styles map as much as possible to functional roles so you know when each can be used.

By consistently tying typographic styles to appropriate functions in the interface, we create a clear visual pattern for merchants to follow while they're interacting with our product.

Type scale

The typographic scale is designed to keep the number of separate styles to the minimum that works for the Shopify admin.

LARGE SCREEN

SMALL SCREEN

Make commerce better for everyone.



Buttons

[Share](#)[Lightning](#)

Design System

Search

Component Blueprints ▾

Accordion

Activity Timeline

Alert

App Launcher

Avatar

Badges

Brand Band

Breadcrumbs

Builder Header

Button Groups

Button Icons

Buttons

Cards

Carousel

Chat

Checkbox

Checkbox Button

Checkbox Button Group

Checkbox Toggle

Color Picker

Combobox

Buttons are clickable items used to perform an action.

Buttons should be used in situations where users might need to:

- submit a form
- begin a new task
- trigger a new UI element to appear on the page
- specify a new or next step in a process

Button Base

Button Neutral

Button Brand

Button Outline Brand

Button Destructive

Button Text Destructive

Button Success

[Show Code](#)

```
<button class="slds-button">Button Base</button>
<button class="slds-button slds-button_neutral">Button Neutral</button>
<button class="slds-button slds-button_brand">Button Brand</button>
<button class="slds-button slds-button_outline-brand">Button Outline Brand</button>
<button class="slds-button slds-button_destructive">Button Destructive</button>
```

Button vs. Link

The HTML elements for buttons and links describe a very specific type of action that is going to be taken when they are used. It is important you know when to use which, as the distinction matters:

- Use a **link** when you're **navigating to another place**, such as: a "view all" page, "Jane Chen" profile, a page "skip link" etc.
- Use **buttons** when you are **performing an action**, such as: "submit", "merge", "create new", "upload" etc.

SECTIONS

Button vs. Link

[Accessibility](#)

Variations

[Base](#)[Neutral](#)[Brand](#)[Outline Brand](#)[Inverse](#)[Destructive](#)[Text Destructive](#)[Success](#)

Disabled

With Icons

[Left Icon](#)[Right Icon](#)

Stateful

[Not Selected](#)[Selected and Focused](#)[Selected with Hover State](#)

Fall 2019

19