YSDN 4003 - Advanced Topics in Interactivity

Design System

Term Definition

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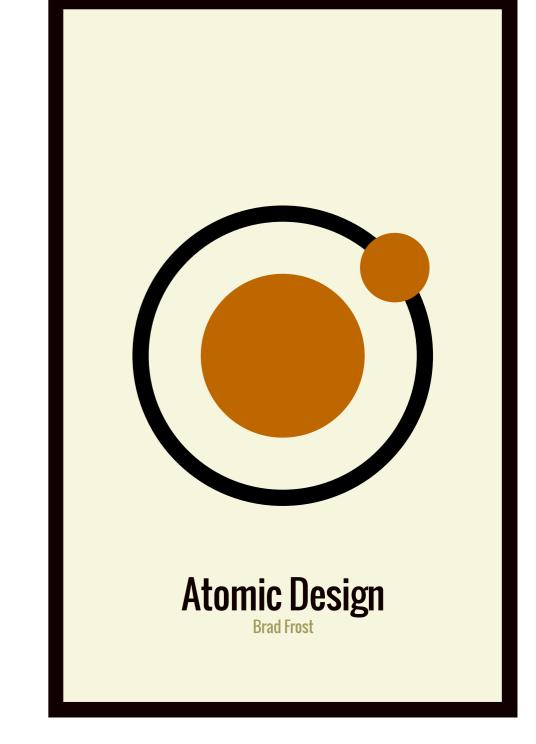
Recently, the words "design system" has become very popular across multiple design company. The definition can be very different depending on people and companies

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 Systems (Smashing eBooks), Alla Kholmatova, https://www.amazon.ca/Design-Systems-Smashing-eBooks-Kholmatova-ebook/dp/B076H49W1G

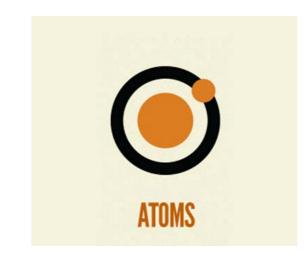
Structure

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



Atoms

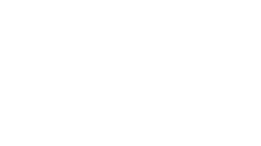
This screen of Instagram's UI consists of a handful of icons, some text-level elements, and two image types: the primary image and the user's avatar image.





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.



MOLECULES



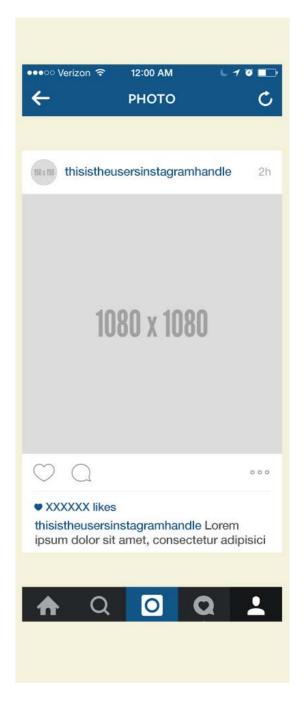


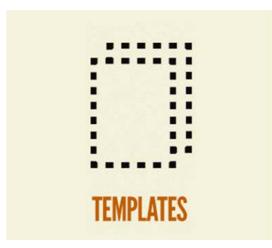


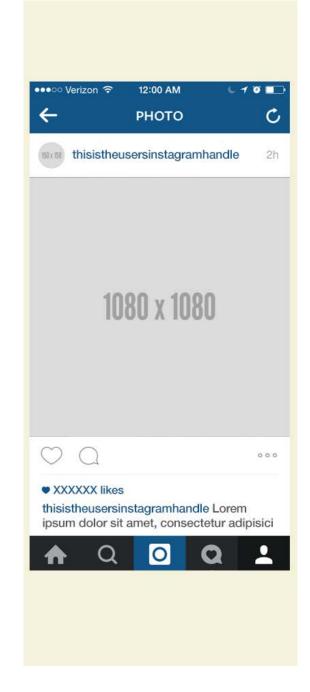
Organisms

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



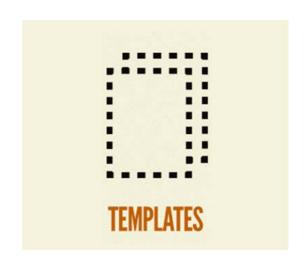






Pages

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.



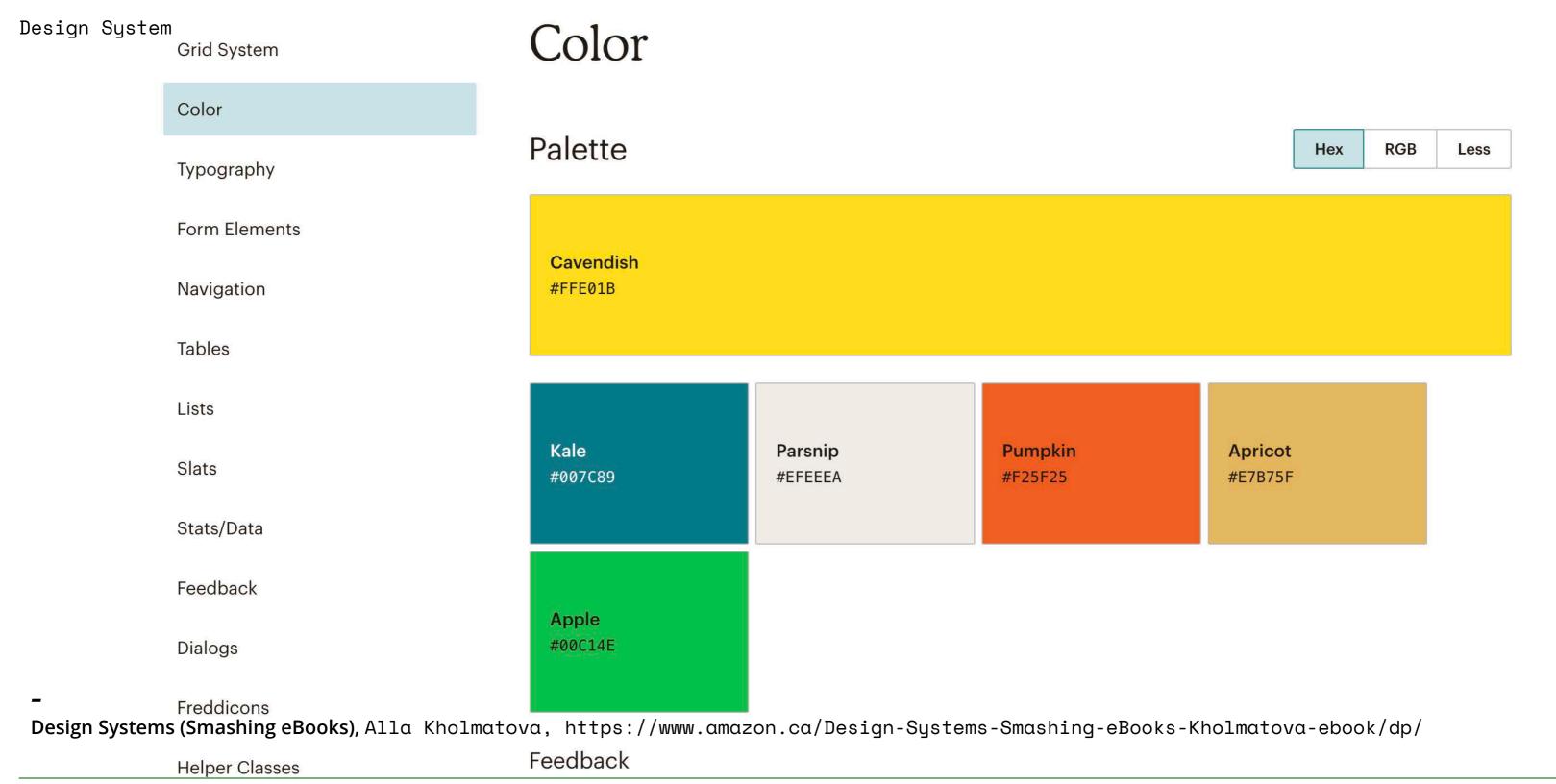




Take Away

Interfaces are built on combinations of smaller components Reduces repetitive tasks Ensures consistency across project(s) About

FA/YSDN 4003





Font sizes

The font scale consists of 9 different font sizes. The default size applied to the body is Medium.

The quick brown fox jumps over the lazy

46px — Extra extra extra extra large

The quick brown fox jumps over the lazy dog

38px — Extra extra extra large

The quick brown fox jumps over the lazy dog

28px — Extra extra large

The quick brown fox jumps over the lazy dog

20px — Extra large

The quick brown fox jumps over the lazy dog

18px — Large

Components

Utility

Layout

Overview

Design

Color Scheme

Typography

Animation

Border Radius

Box Shadow

CONS COMING SOON

Design Systems (Smashing eBooks), Alla Kholmatova, https://www.amazon.ca/Design-Systems-Smashing-eBooks-Kholmatova-ebook/dp/ The quick brown fox jumps over the lazy dog

The quick brown fox jumps over the lazy dog





GUIDES

Shopify



TYPOGRAPHY

Type scale

Additional emphasis

Display styles

Emphasis styles

Font stack

Resources



ILLUSTRATIONS



SOUNDS



ICONS



INTERACTION STATES

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.

Design Systems (Smashing eBooks), Alla Kholmatova, https://www.amazon.ca/Design-Systems-Smashing-eBooks-Kholmatova, https://www.amazon.ca/Design-Systems-Smashing-eBooks-Kholmatova,



SPACING





Component Blueprints

Accordion

Activity Timeline

Alert

Search

App Launcher

Avatar

Badges

Brand Band

Breadcrumbs

Builder Header

Button Groups

Button Icons

Buttons

Cards

Carousel

Chat

Checkbox

Checkbox Button
Design Systems (\$mashing eBooks), Alla Kholmatova, https://www.amazon.ca/Design-Systems-Smashing-eBooks-Kholmatova-ebook/dp/

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



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

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.

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