

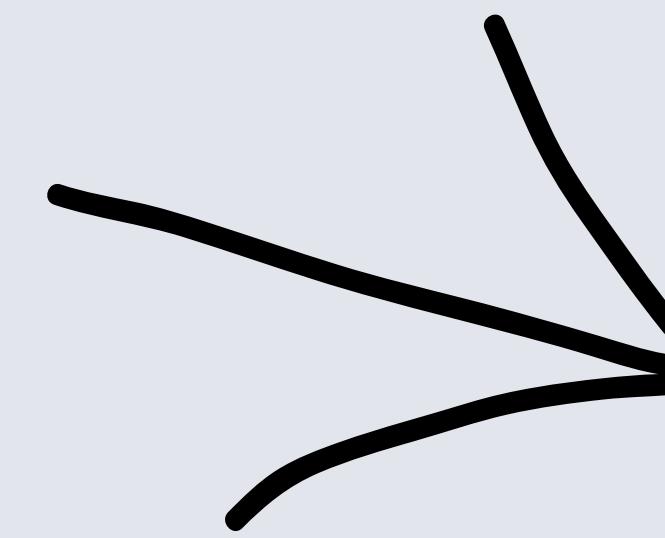
A large yellow blob shape with a black outline, resembling a thought bubble or a splash, occupies the left side of the frame. It has irregular, wavy edges.

**WYSIWYG**

A large light blue blob shape with a black outline, resembling a thought bubble or a splash, occupies the right side of the frame. It has irregular, wavy edges.

Elora Kim & Chris Shia  
Art 369: Software for People

# AGENDA



1. WYSIWYG and UI / UX Intro & History
2. Types of Design Systems
3. Future of Design
4. Proposal



One

# **WYSIWYG and UI/UX Intro & History**

# **WYSIWYG**

**WYSIWYG (wiz-ee-wig) > what you see is what you get**

A type of editing software that allows content to be edited in a form that resembles its appearance when printed or displayed as a finished product, such as a printed document, web page, or slide presentation

# **UI/UX**

**UI: User Interface (Visual  
design, layout, elements)**

**UX: User Experience (Usability,  
Accessibility, User Research)**

# GUI

GUI stands for graphical user interface which is a form of user interface that allows users to interact with electronic devices through graphical icons and visual indicators such as secondary notation



Contacts



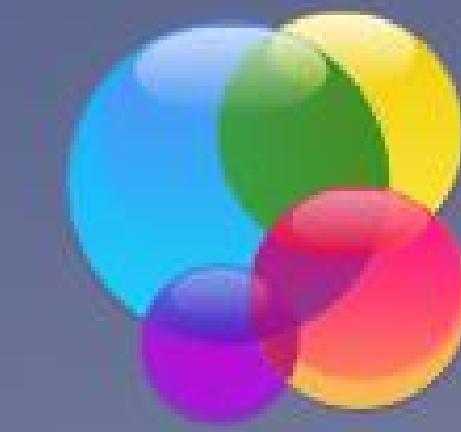
Calendar



Reminders



App Store



Game Center



Notes



Time Machine



iBooks



System Preferences

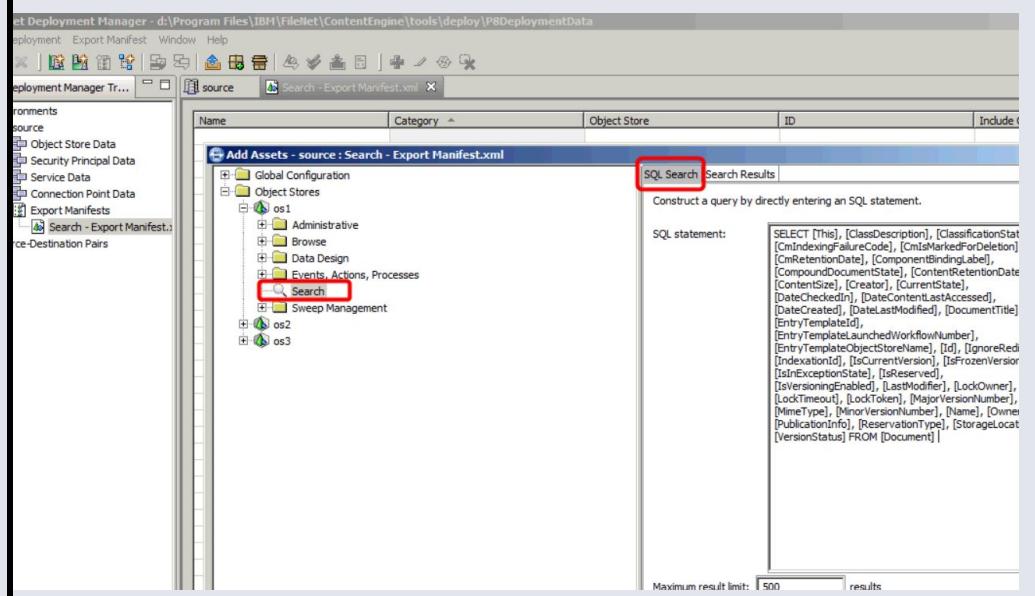


# CMS: Content Management System (eg. Wordpress)

1995

FileNet

The first CMS!



2000s

“CMS” becomes ubiquitous

WordPress with premade templates, Alfresco in 2006 being the first open source CMS

1996

Vignette released Storybuilder

Coined the word “CMS”

Recently

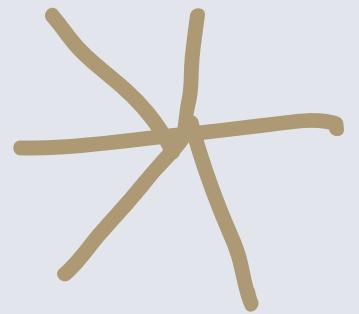
CMS evolved to deliver digital content to desktop and laptop computers, mobile devices, smartwatches

“Headless” CMS -> content repository (backend) that lacks presentation (frontend) -> displays content via API

Two

Tools  
Used in  
Design

## Design System (or Design Language)



The comprehensive set of design standards, documentation, and principles.



Atmosphere describes the feelings we get that are evoked by colour, texture and typography.

You might already think of atmosphere in different terms. You might call it “feel”, “mood” or even “visual identity.” Whatever words you choose, the atmosphere of a design doesn’t depend on layout. It’s independent of arrangement and visual placement. It will be seen, or felt, at every screen size and on every device.

# Atomic Design

1: Atoms → 2: Molecules → 3: Organisms → 4: Templates → 5: Pages

Building blocks with innate properties (eg. HTML elements, <text>)

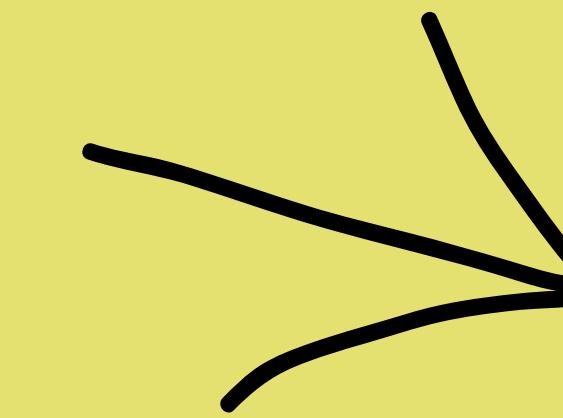
Atoms come together (simple UI elements, eg. a form label, search input, and button = search form molecule)

More complex UI and distinct patterns (eg. a search form in a header bar -> header bar is standalone section with smaller pieces of interface, logo, text, etc)

Page level objects that place components into layout and articulate content structure (Eg. a homepage template)

Instances of templates that show UI with real content, text, media, etc.

# Style Tiles

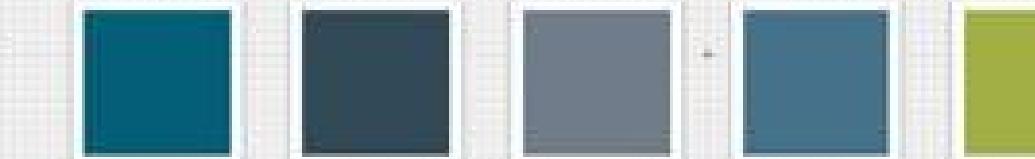


# Style TILES

PROJECT: Style Tiles

VERSION: 1.0

## Possible Colors



## Typography

### This is a Header

Font: PT Sans Bold - Google Webfonts #337ca9

### ■ THIS IS A SUB HEAD ■

Font: PT Sans Bold - Google Webfonts #324a57

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exercitation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

This is a text link,

Font: PT Sans - Google Webfonts #333333

## Textures



Style Tile  
version:1



## Election Headline

Font: Kulturista Web Bold by Typekit

### Election Subhead

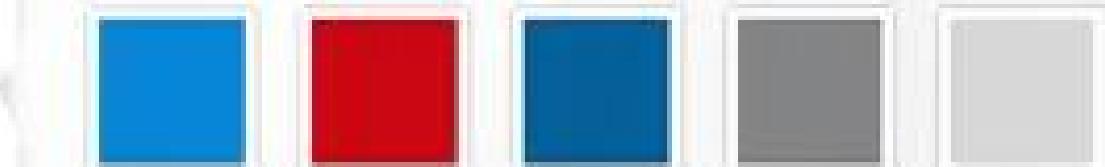
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[This is an example of a Text link »](#)

Learn More

## Possible Colors



## Possible Patterns



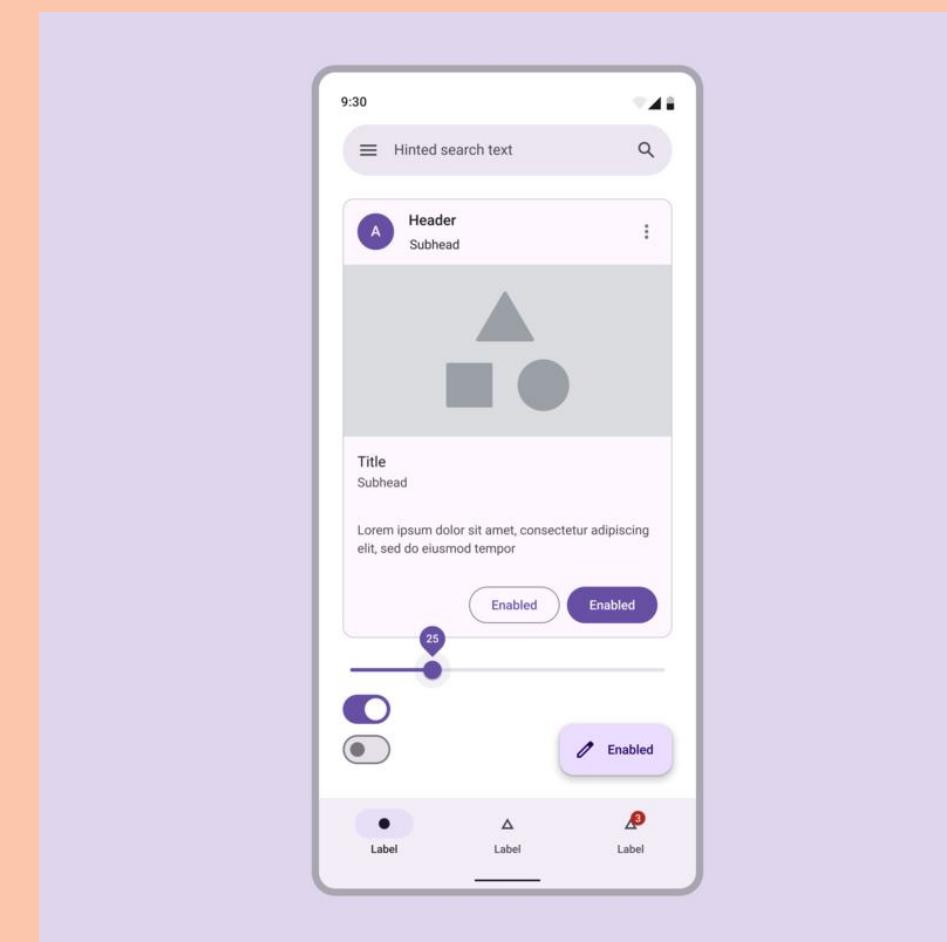
**Current** Comprehensive  
Smart **Stimulating**

# Examples of Design Frameworks

## Material

Designed by Google  
(consistency,  
predictability,  
simplicity)

Gmail, Google  
Drive...

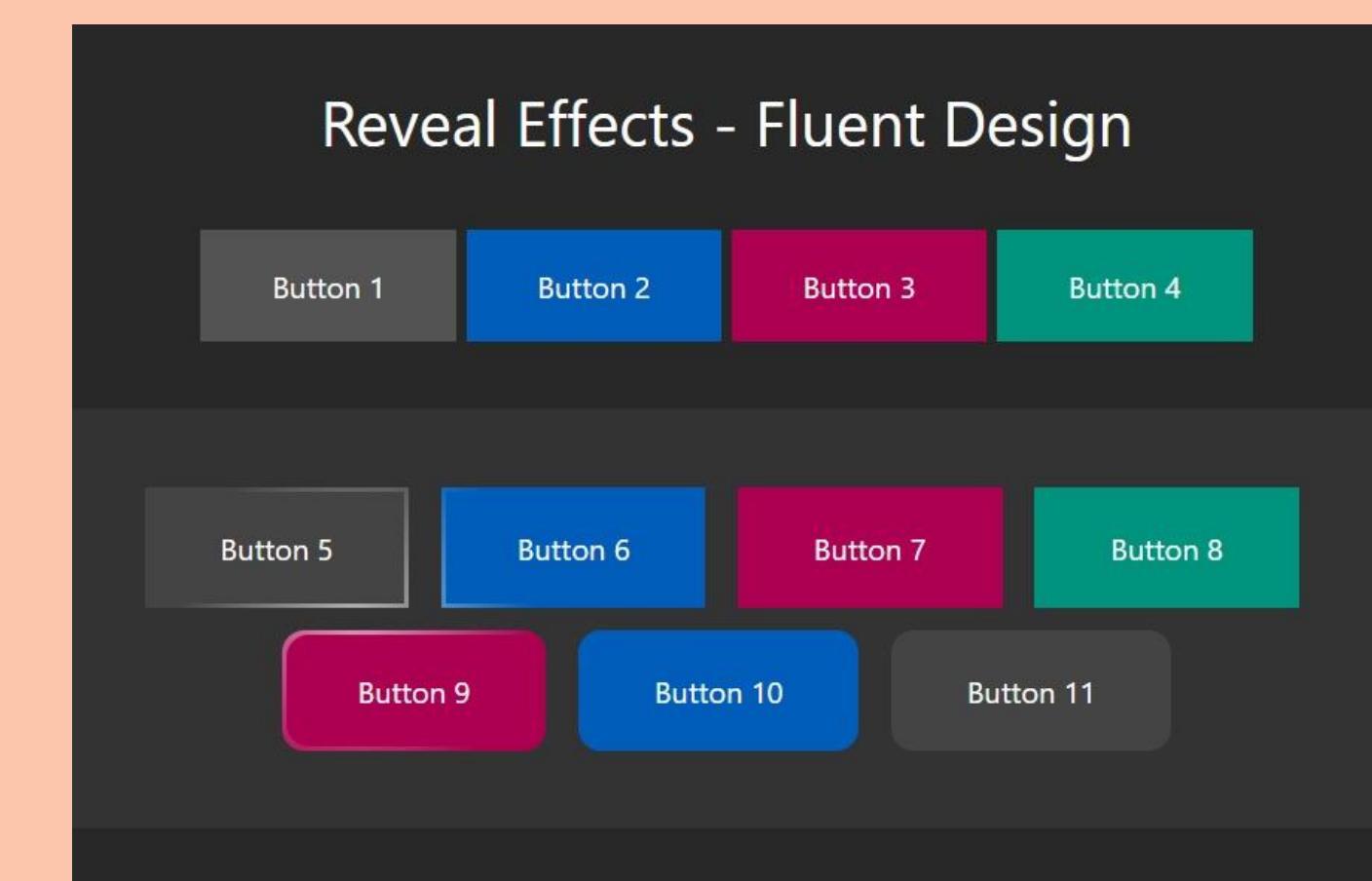


## Fluent

Designed by  
Microsoft (Light,  
Depth, Motion,  
Material, and  
Scale)

Windows 11,  
Microsoft Office

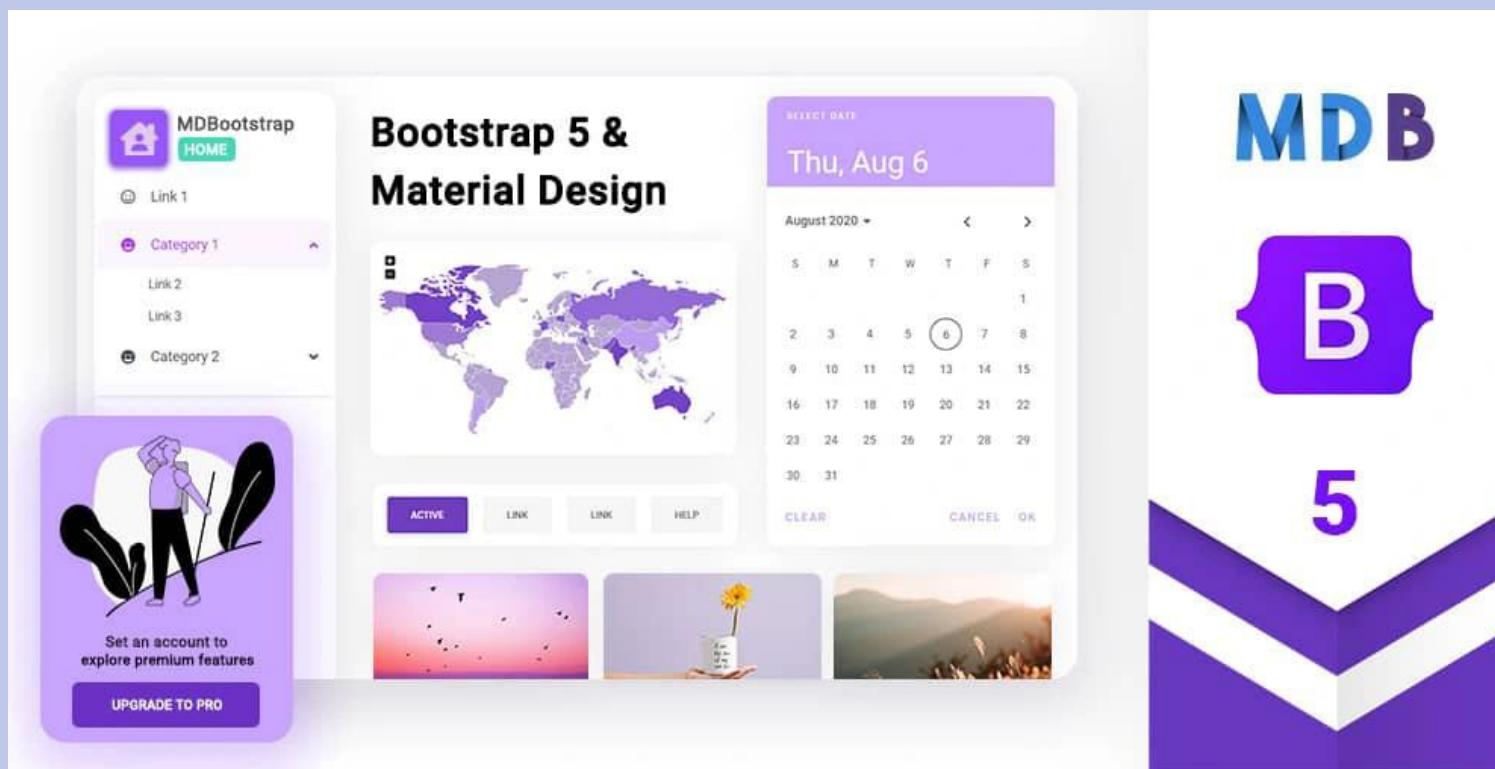
Different principles on  
color, sizes, layout,  
responsiveness, etc.



# More Examples

## Bootstrap

Designed by Twitter (ready made elements, grid system)



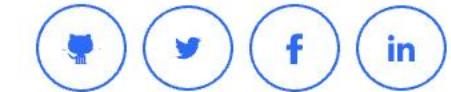
## Carbon Design System

Designed by IBM (accessibility and consistency, large library of React elements)

The Carbon Design System interface displays a dark-themed dashboard for 'Deployment-A'. It includes sections for 'Network activity' (a heatmap showing transaction volumes), 'Nodes' (a grid of nodes labeled AMS-1 through AMS-6 and TLD-3 through TLD-6), and 'organizations' (a list of deployed business logic components). A separate tablet screen shows a smaller version of the same dashboard.



The Design Systems Platform



# Adele

The repository of publicly available design  
systems and pattern libraries

[Start Exploring Systems](#)

[Why Adele?](#)

Find publicly available  
design systems and  
pattern libraries!

Three

Future of  
Design

# Why is Web Design “dead”? (Sergio Nouvel)

- “Exhausted possibilities”
  - UX Design > Web Design
    - “enhancing user satisfaction by improving the usability, ease of use, and pleasure provided in the interaction between the user and the product”

1. Commodifying of Templates

3. AI and Automation

5. Mobile is killing the web

2. Web patterns are mature

4. Facebook pages = new small business page

# Issues with Patterns

1

Misuse of patterns

Design is “already” completed” by templates and no need for designer as you can take it off the shelf

2

Outcomes > context

eg. a scheduler for a regular medical appointment vs an emergency appointment

3

User needs are conflated

“How can I check the progress of my application?”  
“Can I update or change my delivery address?”  
“Can I quickly repeat or renew an application?”  
to:  
“How can we get all the details we need from users to allow them to register for an account?”

# Democratization of Design?

The field is more accessible: good or bad?

"the bar for being able to get into design is lower than it's ever been" which to designers is both a blessing and a curse.



Decentralization and NFTs

Do NFTs help designers make more money? Or are they harmful?

Nuisance  
Fake  
Troubling

Nice  
Faultless  
Thrilling

Artificial Intelligence

Give designers more tools or replace designers altogether?





Four

# Proposal

## Atomic Lab

Your  
Elements  
**5**  
1%

Known  
Elements  
**44370**  
You Invented 0

Mixtures  
Remaining  
**0**  
Buy More

[search form](#) [card component](#) [login page](#)

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[Restart](#)

Elements (double tap elements to pin)



button

SEARCH

input

ENTER KEYWORD

icon



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Elements (double tap elements to pin)



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## Atomic Lab

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1%

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You Invented 0

Mixtures  
Remaining  
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Buy More

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[Completed Challenges 0](#)

[Restart](#)

Elements (double tap elements to pin)



button

SEARCH

search engine

SEARCH THE SITE

ENTER KEYWORD

SEARCH

input

ENTER KEYWORD



**Thanks!**