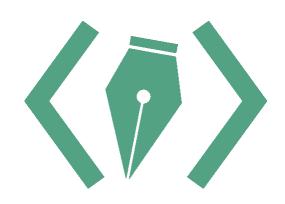
Week 2

Visual Hierarchy Through Spacing



Importance of Space

Macro- & Micro-Level Spacing

Importance of Space

Macro- & Micro-Level Spacing

What's wrong with these User Interfaces (UI)?





The UI is "cluttered"

What's wrong with cluttering?

Users won't see that much content Loss of visual hierarchy is overwhelming Quality > Quantity

User attention is a precious resource, and should be allocated accordingly.

Using space intentionally establishes a Hierarchy of Information

Lil' terminology

Positive space

Filled up by content

Negative (white) space

- Empty
- Space between positive space (UI elements)
- Defines content in a positive space
- Creates emphasis



About Store

Mail Images III 6





I'm Feeling Lucky

Google Search

Advertising Business

Privacy Terms Settings



Google Search I'm Feeling Lucky

Negative Space



Negative Space

Advertising Business Privacy Terms Settings

More white space, more emphasis.

Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Less white space, less emphasis. Lorem 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. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident.

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Less Readable

More Readable

Importance of Spacing

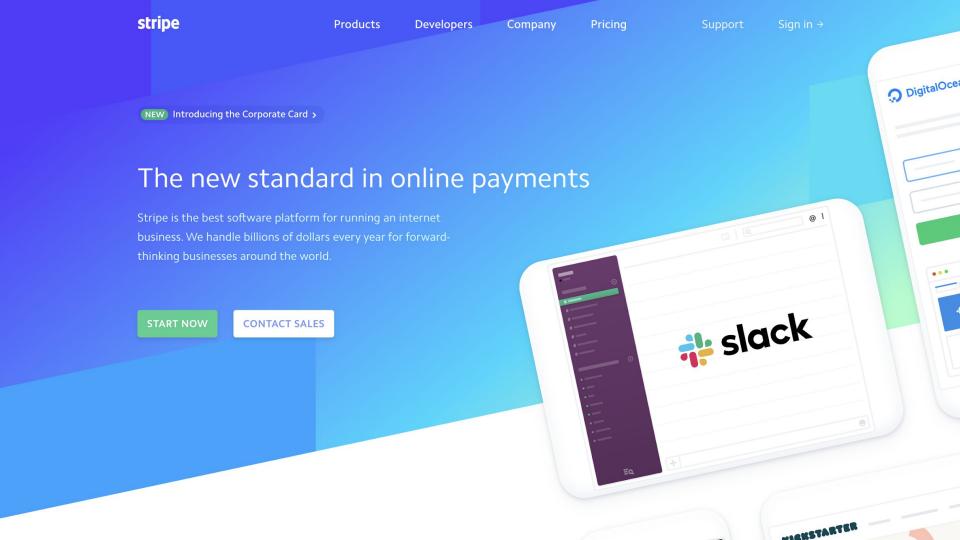
Macro- & Micro-Level Spacing

Spacing Demo

Macro- & micro-level spacing

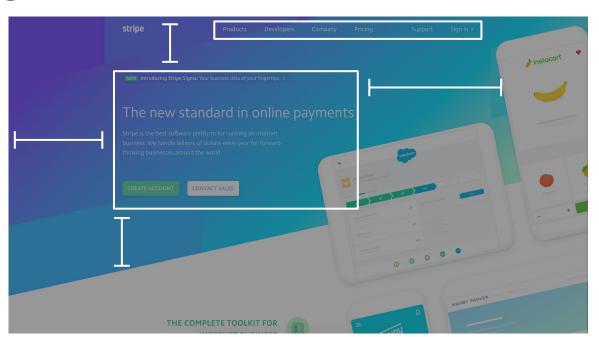
Macro-level spacing: Space between core elements of the page Creates structure, "breathing room"

Micro-level spacing: Increases legibility and understanding of text and information More on that in a few lectures



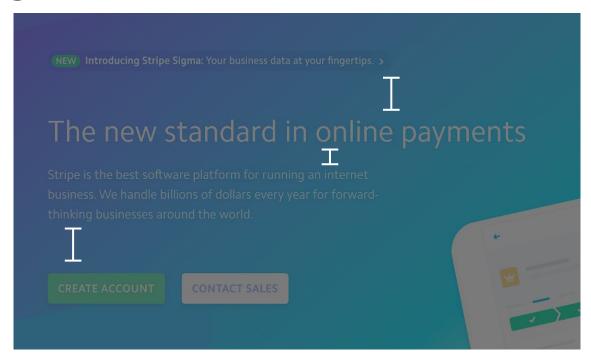
Macro-level spacing

Page sections use background colors and whitespace to create separation



Micro-level spacing

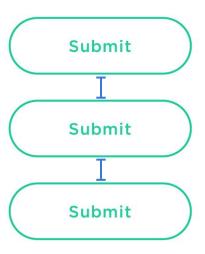
Individual sections of page use compositional spacing on **micro** scale



Padding & margin



PaddingSpacing within the border of an element

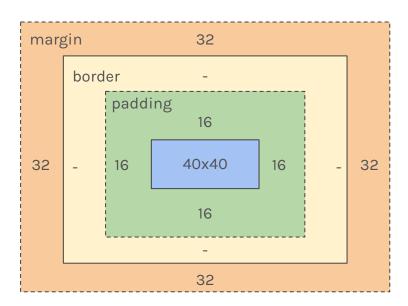


MarginSpacing between elements

Spacing in CSS

CSS Box Model

For spacing in web design



Line width

Narrower paragraphs \rightarrow easier to read Less scanning for the eyes

Use a <div> to restrict width of text

"I realized that individual freedom, when it's not connected to some sort of community, or friends, or the world outside, ends up feeling pretty meaningless." —Bruce Springsteen, 1988

I clutch my black tea, fingers wrapped around a mug that's almost the size of my face, yearning for the caffeine to surge through my veins. The outside air frizzes my curls, the March wind howls, the threat of rain teases the afternoon. I tell people that I'm not a fan of March. Right now, a relationship in my life is under duress, just like piles of snow that trap us inside, that keep us stuck.

My eyes scan the pages of a novel—chick lit with dark undertones—but I'm fixated on an overt typo in the text above me. "Life's to short to drink cheap coffee."

I'm comfortable here because I'm reminded of a lounge in Brooklyn. It's

Hello.

width: 100%

f.am a 22-year old UI designer and entrepreneur passionate about design, education, and online journalism.

I am a recent graduate from UC Berkeley with a degree in BA Computer Science, and am currently working on a startup iris (http://www.irisbeto.com) and teaching a web design class at UC Berkeley, Wall Design DeCal (http://www.wid.lo). I love spending time fiddling with design and creating cool projects that can potentially change the way we live. My personal vision is to connect like-minded people. To this end, I am working on a startup iris, a community for everyone's interests

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Hello.

width: 960px

I am a 22-year old UI designer and entrepreneur passionate about design, education, and online journalism.

I am a recent graduate from UC Berkeley with a degree in BA Computer Science, and am currently working on a startup his (http://www.irisbeta.com) and teaching a web design class at UC Berkeley, Web Design DeCal (http://www.wdd.lo), I love spending time fiddling with design and creating cool projects that can potentially change the way we live. My personal vision is to connect like minded papers. To this sent, two working on a startup bits a community for deaceans interests.

Lorem insum sit amet dolor

Metrics

Margin and padding around an element should be consistent/equal

Use simple multiples for spacing (and other) metrics

- Ex: 20px padding, 10px margin
- Ex: 12px padding, 16px margin

Simple is not the same as barren

Barren = overuse of spacing

Too much can "break" the relationship between elements

CS61B: Data Structures and Advanced Programming

Fall 2015 Instructor: Paul Hilfinger

155 Dwinelle MWF 1:00-2:00PM

Frequently Asked Questions

Account Administration (Calnet) or (Alternative Login)

General Course Information (Hilfinger)

Piazza Newsgroup

About the Staff Discussion materials

Lecture Notes Labs and Homework

 Java Library Documentation (also: no frames)
 Emacs Quick Guide

 Tool Documentation: Git, Emacs, etc.
 A Java Reference

Data Structures (Into Java)

UCB Package Documentation

<u>List of instructional login servers</u> Some <u>data-structure visualizations</u> and a <u>Wikibook</u>

Some project style guidelines A collection of bad Java practices

Berkeley Programming Contests Downloading Java.

Verbose Collaboration Policy

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Downloading Java.

Berkeley Programming Contests

Verbose Collaboration Policy

CS 61B Data Structures, Spring 2021

Instructor: Josh Hug Live Q&A: 1-2 MW: Zoom Link 2-3 F: Zoom Link

Announcements [View All]

calendar // sections // oh

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Posted February 7, 2021 @ 00:00:00

Midterm 1

As you all know, Midterm 1 is this Wednesday from 8-10 PM. Expect to receive an email containing your personalized zoom link from cs61b@berkeley.edu by Tuesday, 2/9 11:59 PM PST. Please make a private post on Ed with your Berkeley email if you don't receive this email, but make sure to check your spam and trash first.

Week 4 Announcements

Calendar

Week	Date	Reading	Lecture	Discussion	Lab	Assignments/Exams
	No Classes				HW0: Basic Java Programs (optional)	
1	Wed 01/20	1.1	Intro, Hello World Java [video] [slides] [guide]	No discussion week 1.	Setting Up Your Computer IntelliJ Setup (due 01/26)	Project 0 (due 01/29)
*	Fri 01/22	1.2	Defining and Using Classes [video] [slides] [guide] [live Q&A]			
	Mon 01/25	3.1, Optional: TDD is dead, Unit Tests Are Waste,	3. Testing			

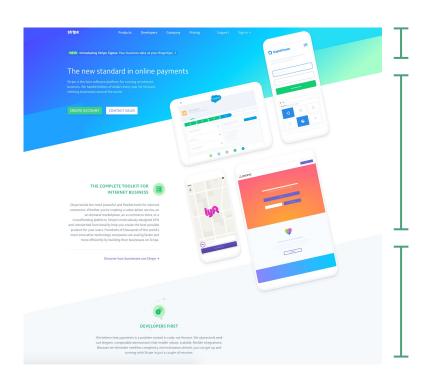
Avoid the barren!

Make your spacing **intentional** through rhythm, (a)symmetry, and/or Gestalt principles

Creating rhythmic structure

Rhythm creates structure and reliable patterns for content

Space and content structure are used to define this rhythmic pattern

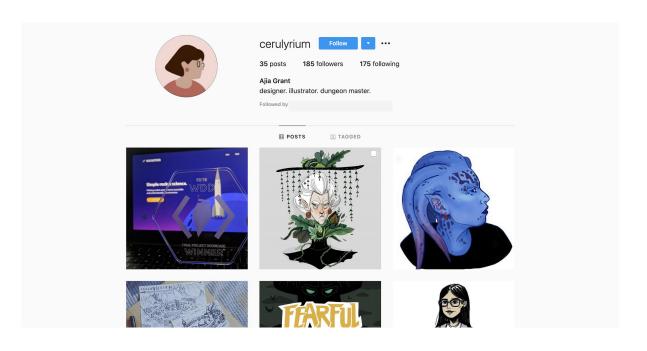


Symmetry and asymmetry

Symmetry

Creates balance with repeating patterns and rhythmic structure

Vast majority of macro layout of sites are symmetric



Symmetry and asymmetry

Asymmetry

Use asymmetric designs to create emphasis

The larger thumbnail creates emphasis through size relational asymmetry



Some things to note...

- We'll post **cheat sheets** for general topics in this class, typically for coding! Check Piazza for when we release them.
- Unleash the kraken: If you are interested in this topic, and feel ready for a challenge/more advanced topics check out <u>this Medium article</u> about design software
- Have a **Figma** account or have it downloaded on your computer for our Figma demo **next Thursday, 2/18**! We will make a post with further details next week.
- Reminder to fill our our anonymous feedback form! Your feedback is much appreciated especially during (yet another) remote semester.

Questions?