

# Prototyping

Nic Aguirre j363 Fall 2018





# Today

Lecture

Prototyping

Activity

Solo wireframe

Activity

Group wireframe

Activity

Figma



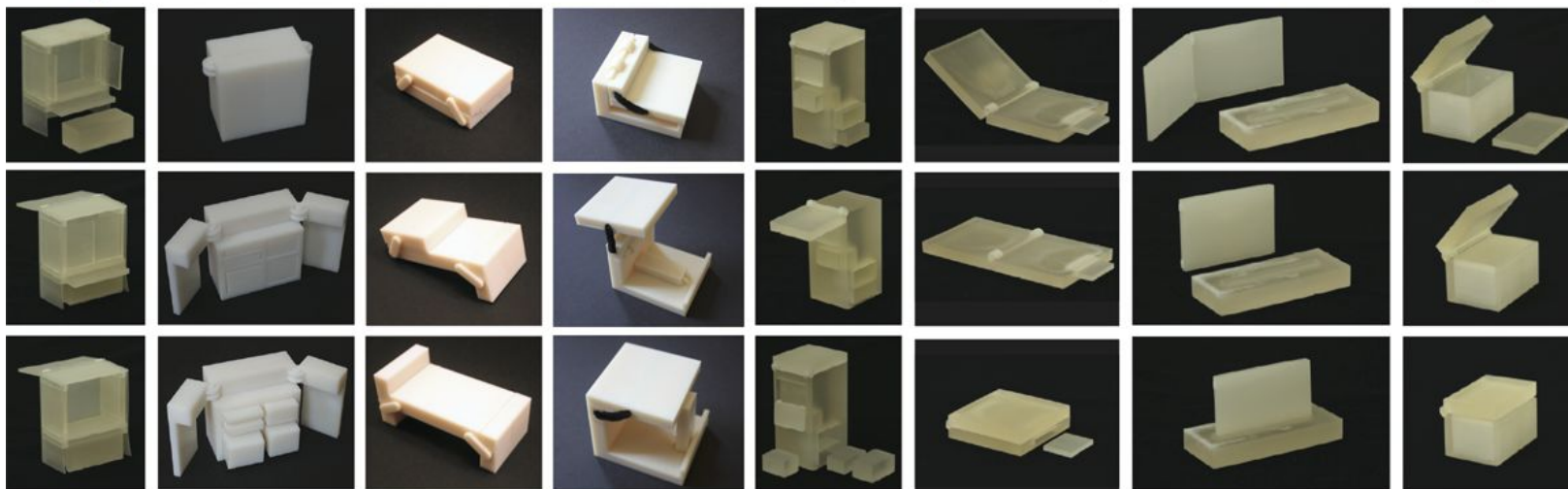
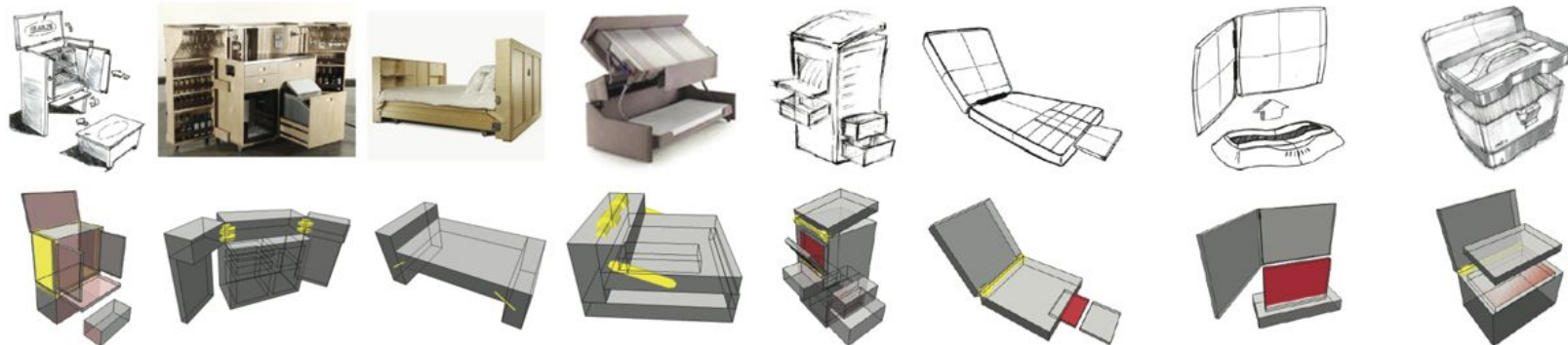
prototypes



# Communicate form



# Communicate function



(a) cabinet

(b) crate bar

(c) crate bed

(d) sofa bunk

(e) printer

(f) cellphone

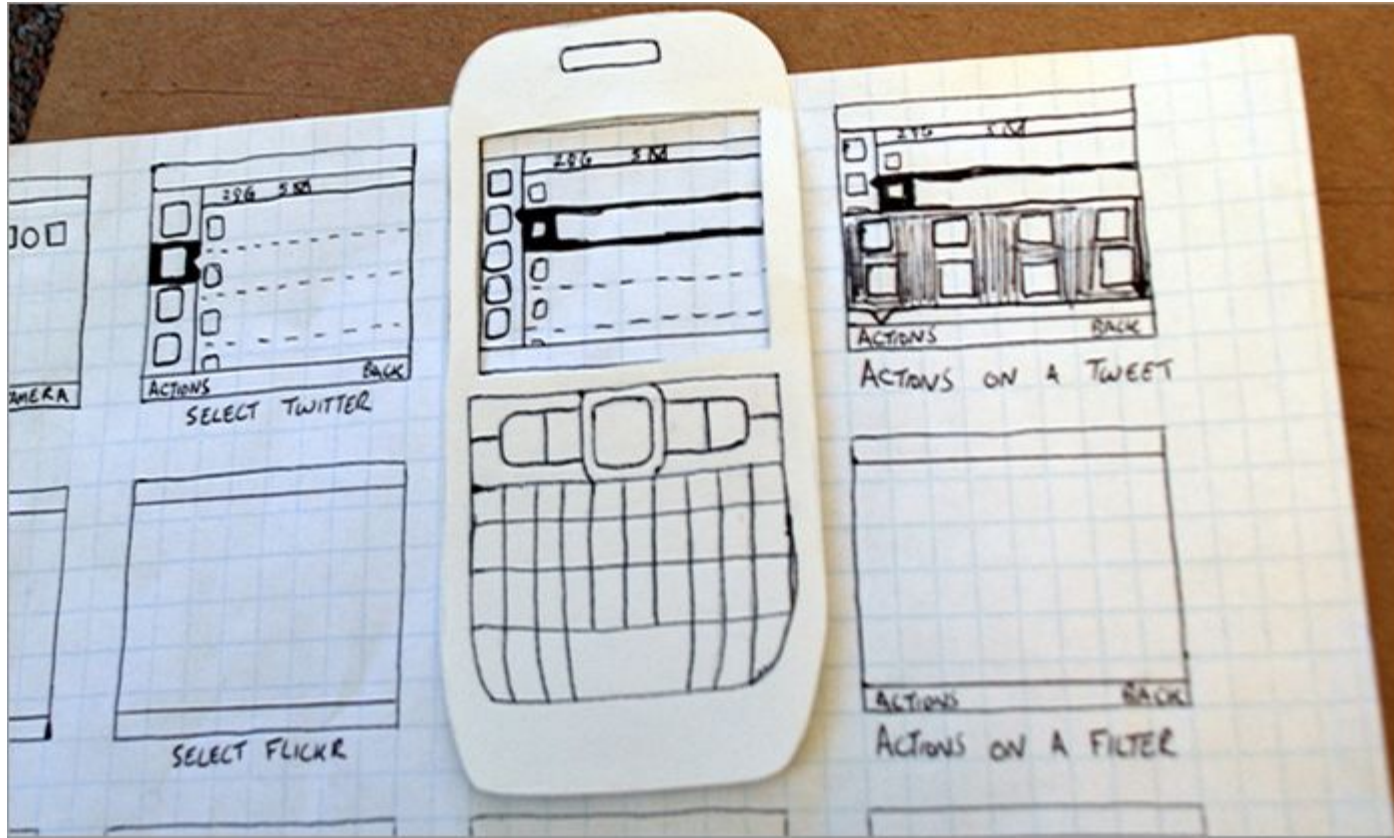
(g) tablet

(h) toolbox

# Communicate processes, mechanics

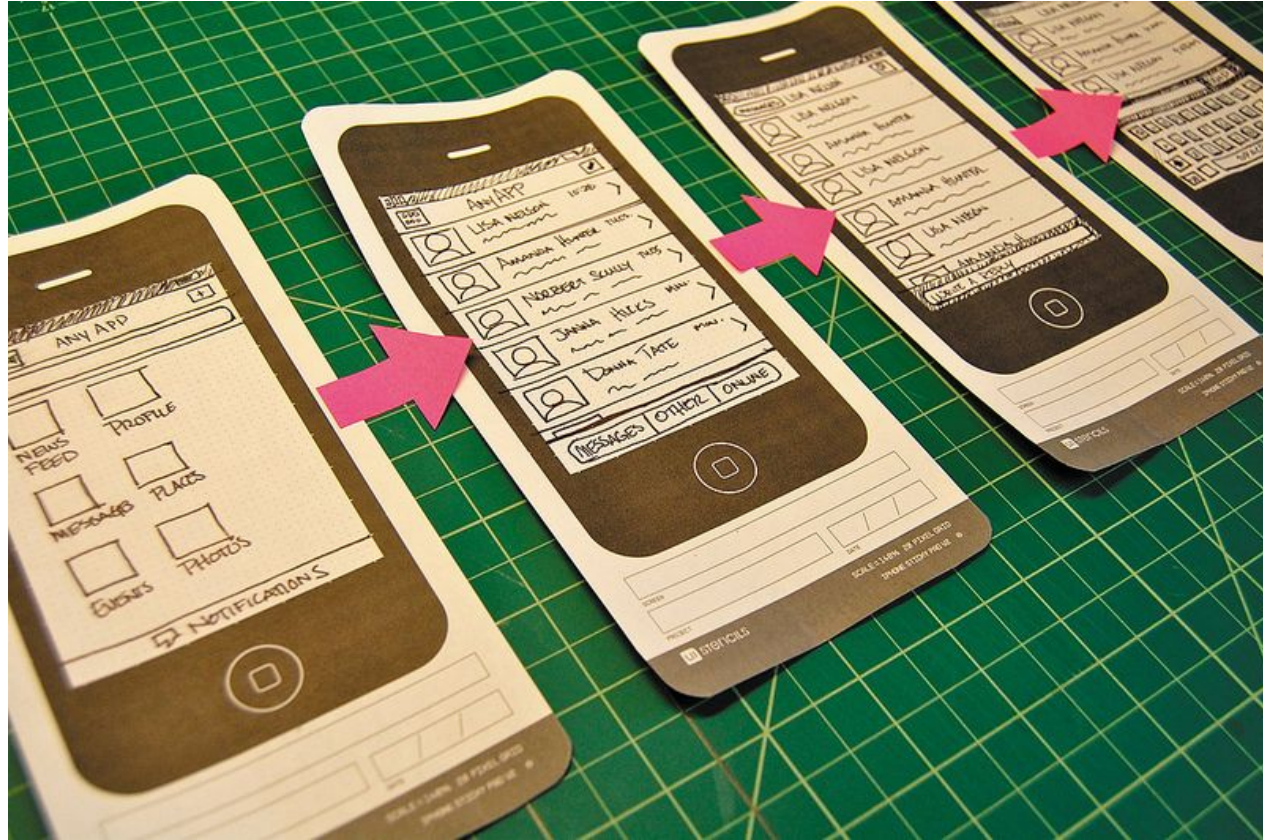


# Envision experiences



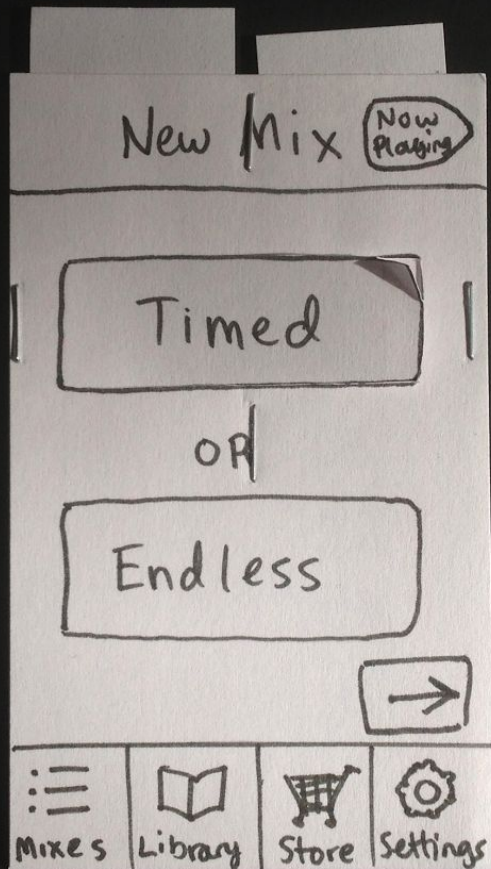


# Communicate workflow, systems





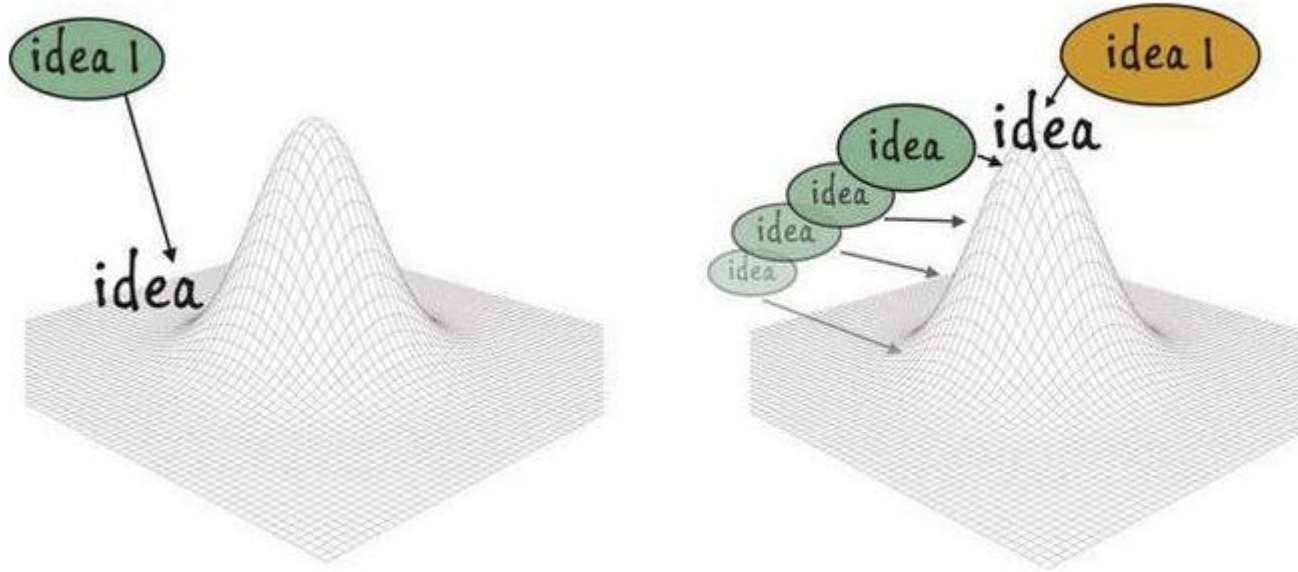
# Low-tech, low-effort



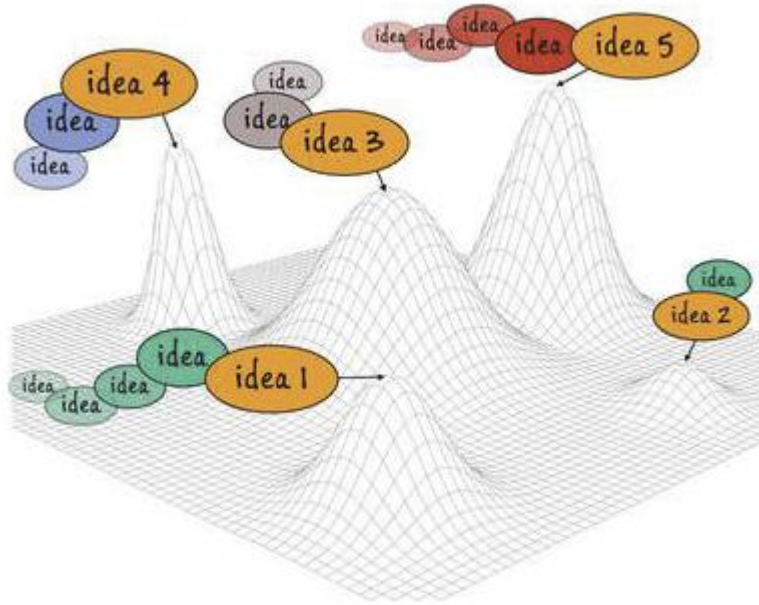
# Iteration



# Iteration: Local Maximum

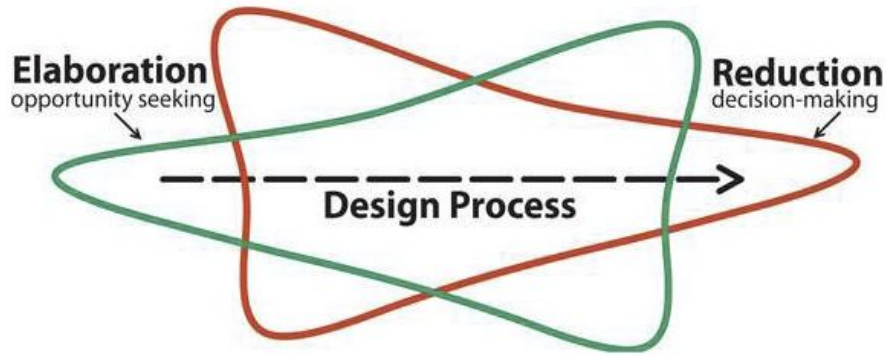


# Iteration: Global Maxima



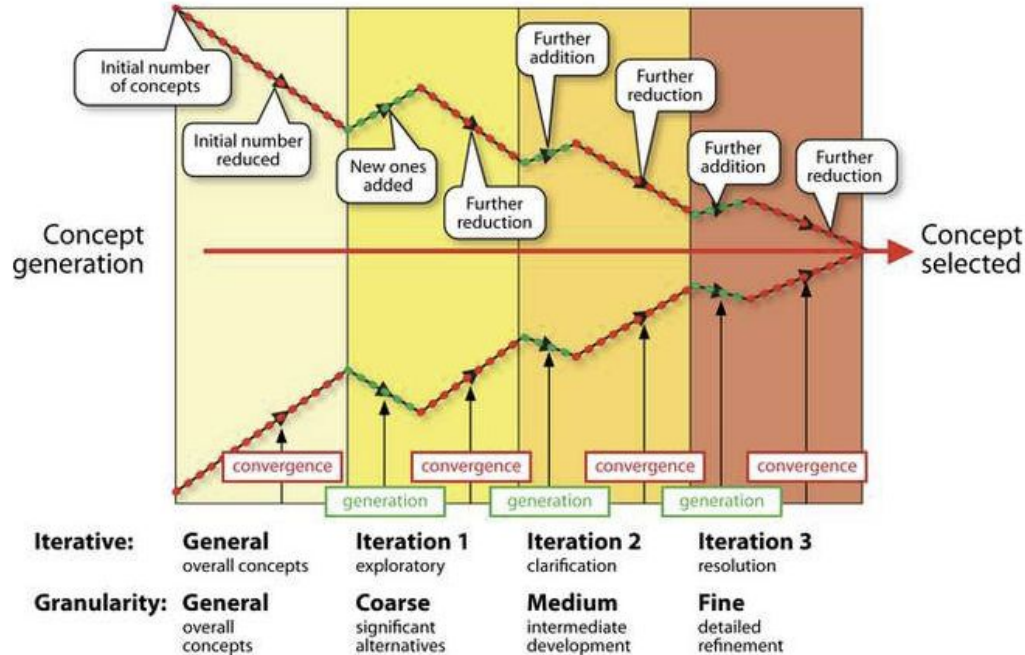
# Elaboration and Reduction

Generate ideas.  
These are opportunities



Decide on the ones  
worth pursuing, and  
proceed further

# The Design Funnel





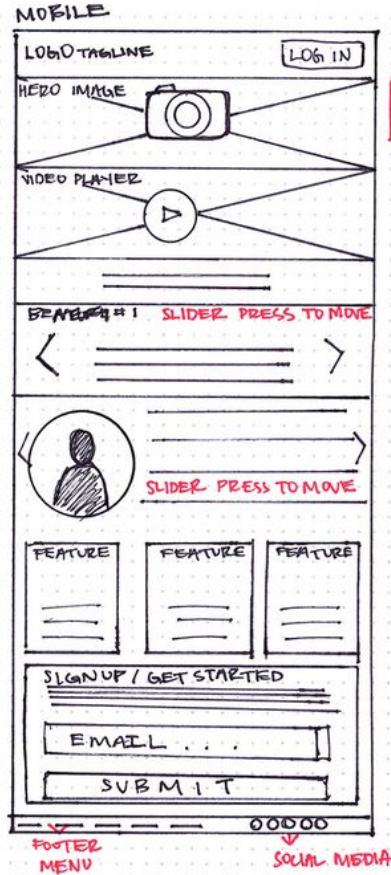
# Production



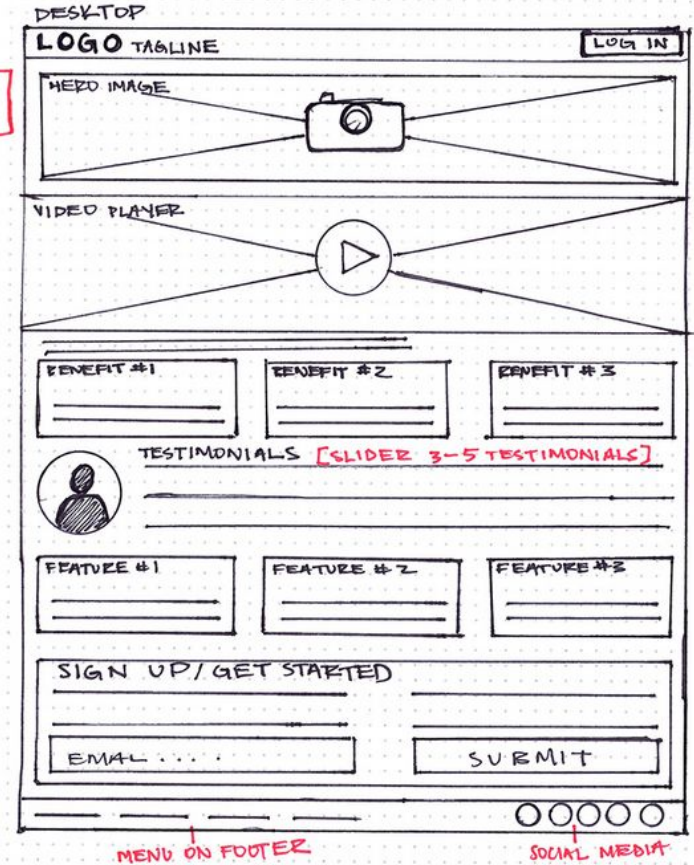
# Wireframes



# Wireframes



HOME  
PAGE

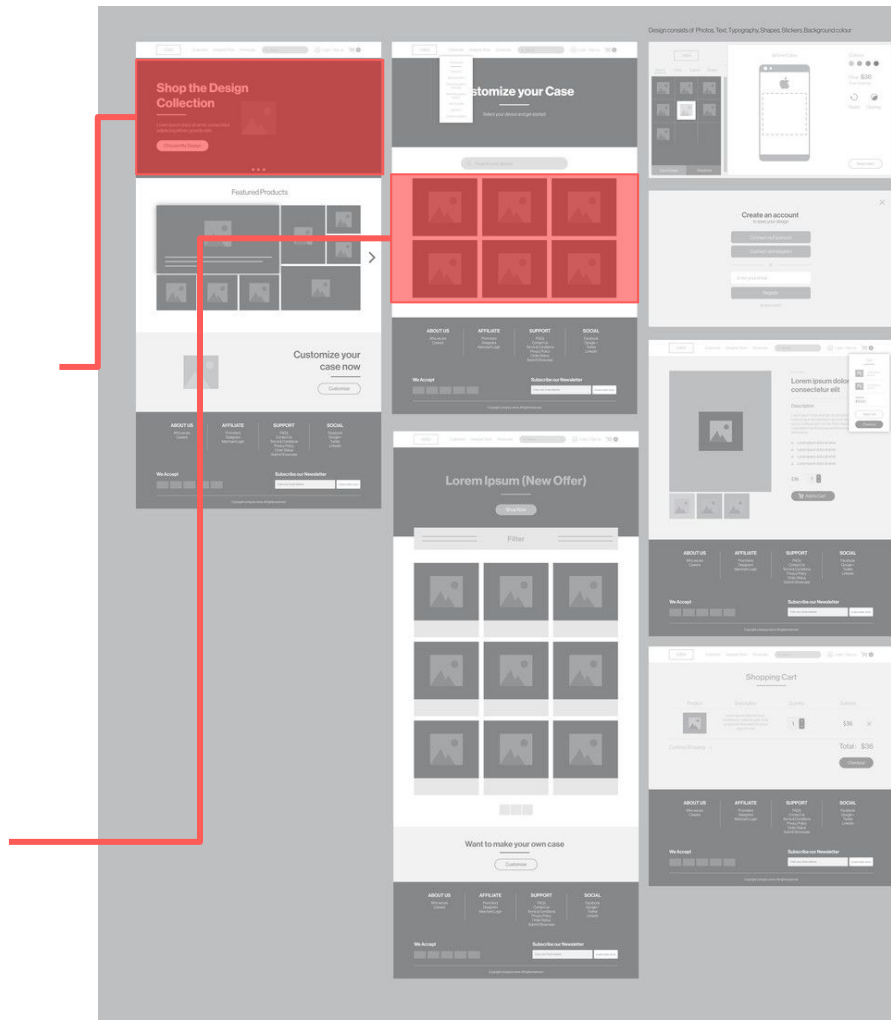


# Establish structure

determine components

.hero-image  
.hero-text  
h1

.grid  
.item  
.item  
.item





# Discuss and annotate

Combine

Make Bigger

Page 1 of 1 | ggmasonfunds.com landing page

LEGG MASON

Inst. Asset Mgmt.

Wealth Management

Legg Mason Trust

Private Client

Legg Mason Funds

Capital Markets

Client Log-In

Open An Account

Search >>

Our Funds

- > Prices & Performance
- > Fund Management
- > Dividends
- > Capital Gains
- > In The News
- > What's New
- > Applications
- > Prospectuses

Knowledge

- > Intellectual Cap.
- > Asset Allocation
- > Future First
- > IRA Center
- > Market Update

Inf logo

Funds From Service  
1-800-522-5544  
8:00 AM - 5:30 PM  
(ET) MON - FRI

Legg Mason Funds Banner

tagline

Global Brief

content, content

more > Aug 1, xxxx

Context and Perspective

content, content

more > Aug 1, xxxx

Monthly Market Review

content, content

more > Aug 1, xxxx

Footer

footer, disclaimer, privacy policy,

Fund Finder

Select a Fund ▾

- > Select by Category
- > Find a fund that meets your needs.

What's New!

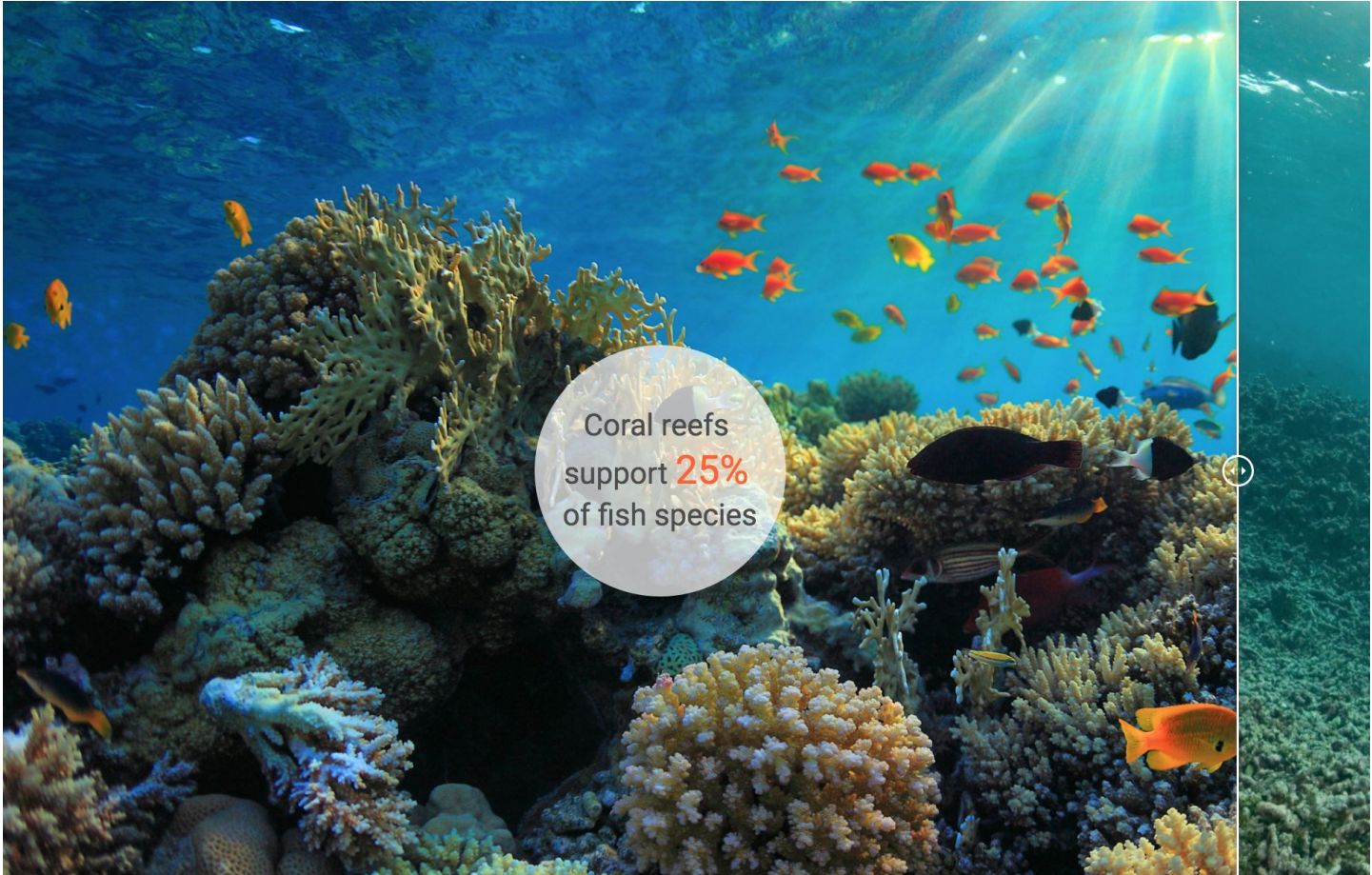
- > Press Release
- > Another Press Release
- > 401k Season
- > Comments by Bill Miller.

Fund Finder

Select a Fund ▾

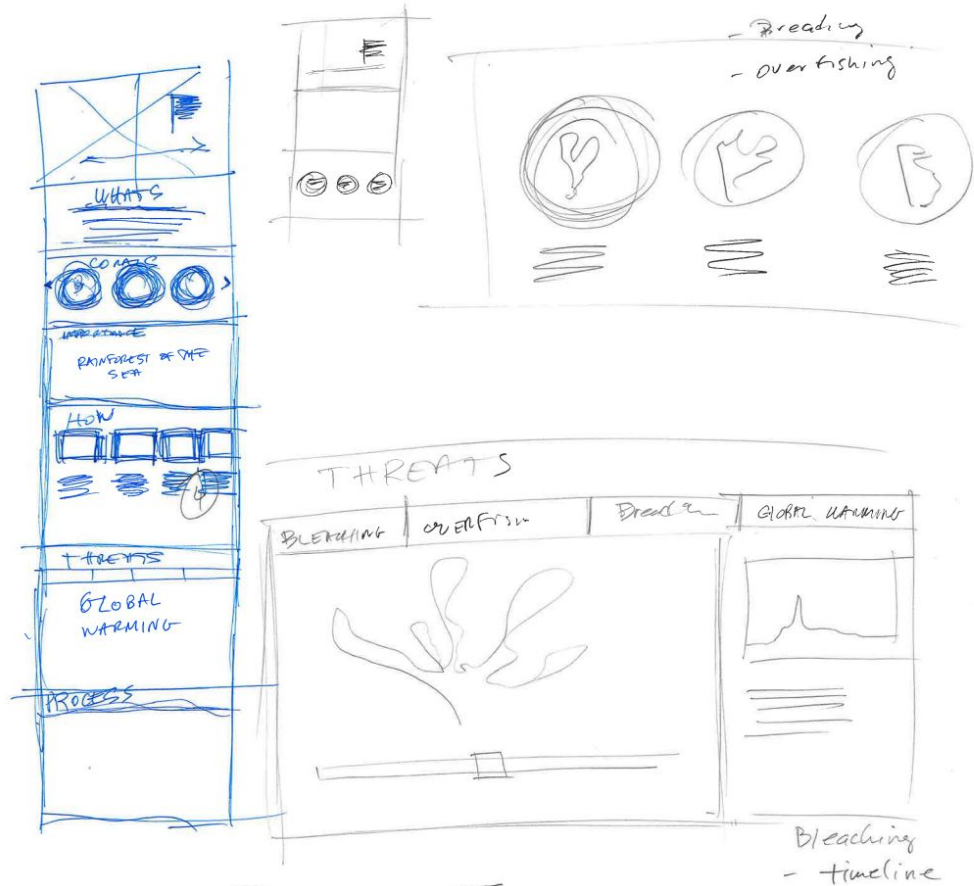
- American Leading
- Balanced Trust
- Cash Reserve
- Classic Valuation
- Emerging Markets
- Europe Fund
- Financial Services
- Focus Trust
- Global Income
- High Yield
- Int'l Equity
- Opportunity Fund
- Value Trust

## Design Process: Coral Reef Restoration

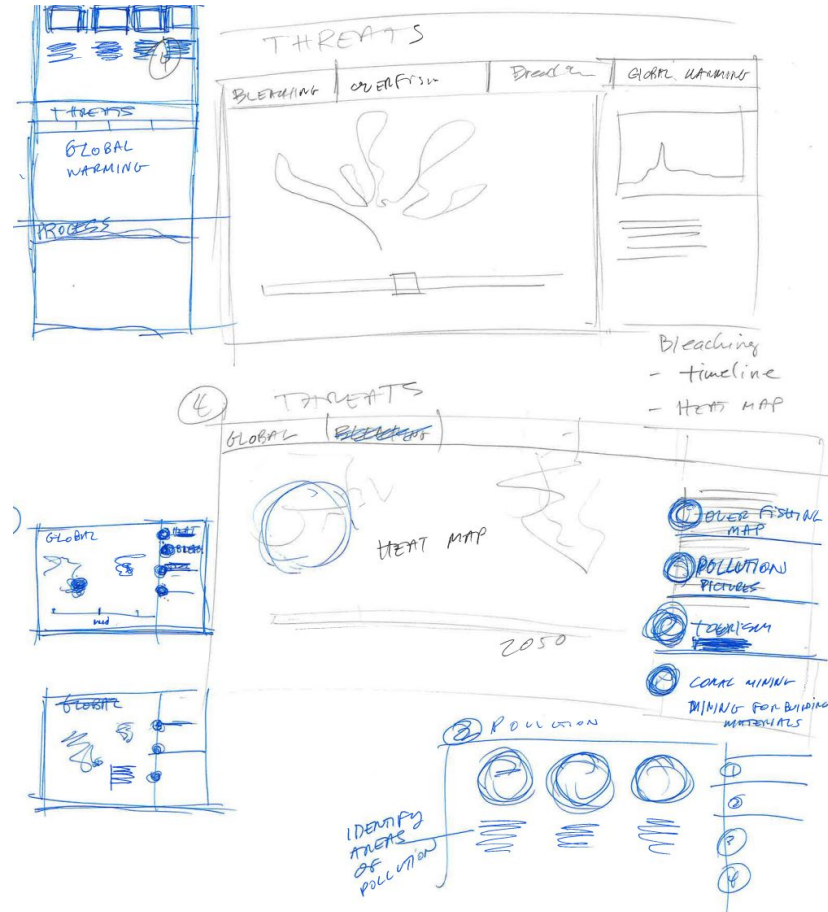




# Design Process: Sketching



# Design Process: Sketching



**A.1** 78°  
Current water temp

# CLIMATE CHANGE

Warm waters threatening globally

**A.2** 78°  
Current water temp

## HEAD 2

### Coral Bleaching

**A.3** 78°  
Current water temp

## HEAD 3

### Coral Restoration Graphic

LEARN MORE

**B.1**

## WHAT CORALS ARE

Vitem fuga. Ut fuga. Ge. tam appellato tempore evel lum qui doborit asperum rempore ouptatus stat. Harantem qui consequum faciet ut, nihilis quat velint et hols et occum reptamet hltuivolsa nomignisim a dundandibis ludant.

**C.1**

< >

STAGHORN  
Branching staghorn coral

ELKHORN  
Branching elkhorn coral

FAN  
Table coral fan coral

**C.2**

< >

GROOVED BRAIN  
Table coral grooved brain coral

GREAT STAR  
Table coral great star coral

MUSTARD HILL  
Table coral mustard hill coral

**D.1**

## RAINFOREST OF THE SEA

(Image of a reef)

**E.1**

## HOW

Global Warming Tourism Overfishing Coral Mining

Global Warming: When the temperature of the ocean rises, it causes the coral to lose its color and die. This is called coral bleaching. Coral bleaching can be caused by a variety of factors, including global warming, pollution, and overfishing. Coral bleaching is a major threat to coral reefs and can lead to the death of the coral.

Tourism: When too many people visit a coral reef, it can cause damage to the coral. This is called coral tourism. Coral tourism can be caused by a variety of factors, including overcrowding, trampling, and the use of inappropriate equipment. Coral tourism is a major threat to coral reefs and can lead to the death of the coral.

Overfishing: When too many fish are caught from a coral reef, it can cause the reef to become overfished. This is called overfishing. Overfishing can be caused by a variety of factors, including overfishing, illegal fishing, and the use of inappropriate equipment. Overfishing is a major threat to coral reefs and can lead to the death of the coral.

Coral Mining: When coral is mined for use in construction or other purposes, it can cause damage to the coral. This is called coral mining. Coral mining can be caused by a variety of factors, including overmining, illegal mining, and the use of inappropriate equipment. Coral mining is a major threat to coral reefs and can lead to the death of the coral.

**E.2**

THREATS	
Overfishing	Global Warming
(Animated Fish World Graphic, Heat Map, Show Area)	Overfishing
Timeline	Tourism
	Coral Mining

**E.3**

THREATS	
Tourism	Global Warming
	Overfishing
	Tourism
	Coral Mining

**E.4**

THREATS	
Coral Mining	Global Warming
	Overfishing
	Tourism
	Coral Mining

**E.5**

## CORAL RESTORATION

(Animated Graphic)

# Design Process: Programming and Testing

Shared with me > Coral Reef ▾

Name ↑



 Art

 Storyboarding

 Bleached\_coral.png 

 Checklist 

 Coral Reef 

 coral\_restoration\_reef.jpg 

 coral\_web\_v2.ai 

 coral\_web\_v3.ai 

 coral\_web-color-idea.ai 

 coral-branch-2.jpg 

 Coral-visualization-v1.ai 



 coralhabitat\_720.mp4 

 coralhabitat\_1080.mp4 

 CoralRestoration\_Cut1\_3.mp4 

 CoralRestoration\_Cut3.mp4 

 corals-header.jpg 

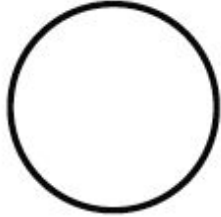
 elkhorn.jpg.638x0\_q80\_crop-smart.jpg 

 Images Needed 

 imgres.jpg 

C.1

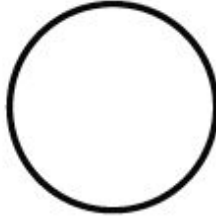
&lt;



STAGHORN  
*Acropora cervicornis*



ELKHORN  
*Acropora palmata*

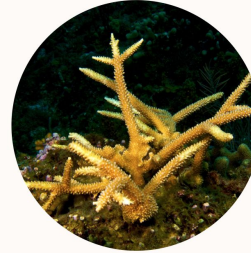


FAN  
*Plexaura orientalis*

&gt;

### Types of Coral

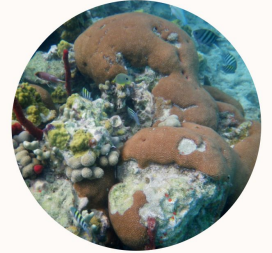
Coral species that build reefs are with their calcium carbonate or aragonite skeletons are known as stony corals. Common shapes of coral are: massive, tabular, branching, encrusting, foliaceous, and columnar.



Branching



Elkhorn



Encrusting

E2 THREATS <b>OVERFISHING</b>	
<p>Overfishing</p> <p>(Animated Flat World Graphic. Heat Map. Show Areas)</p> <p>← Timeline →</p>	Global Warming
	Over fishing
	Tourism
	Coral Mining

## Threats to Coral

Overview Climate Change Pollution Destruction **Fishing**

### Overfishing and Other Destructive Fishing Practices Harm Coral



Destructive fishing practices also take a toll on coral.

Removing herbivorous from the ecosystem either directly or indirectly disrupts the delicate balance which prevents algae from over growing and suffocating the coral.

Cyanide fishing is a practice where fishers use cyanide to stun or kill catch but it also kills coral.

Dynamite fishing is popular in Southeast Asia where it is intended to target the fish, but destroys large amounts of coral at the same time.

Dredging is another common fishing practice that destroys thousand year old reefs. A fishing dredge is dragged along the ocean floor and damages coral as it is dragged over it. Corals can also be damaged by traps, fishing line, propellers, and anchors.





# Activity

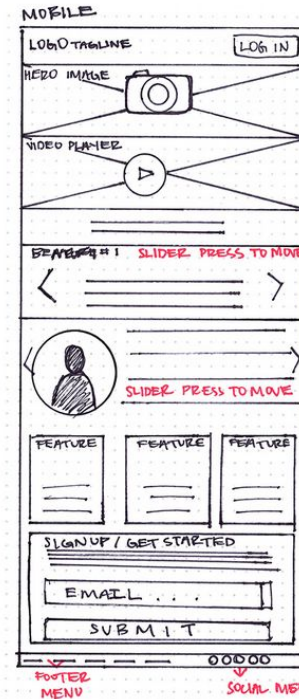


# Wireframing: Solo

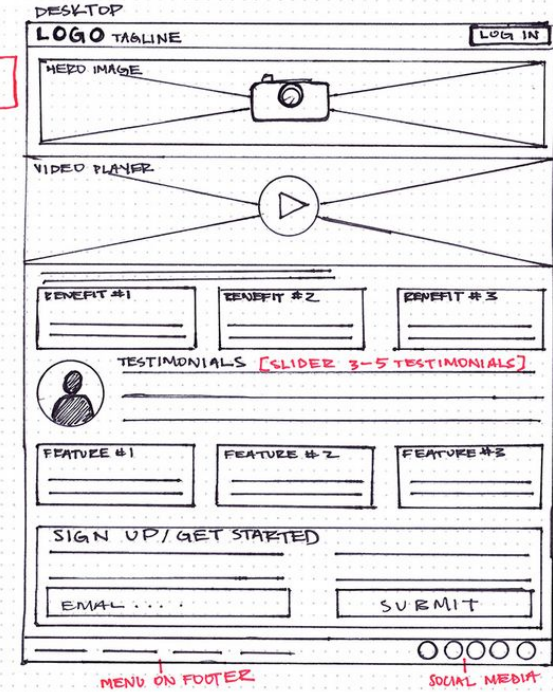
You will be given a template.

Attempt to wireframe:

<https://medium.com/>



HOME PAGE



# Wireframing: Group

- 1) You will be placed in groups.
- 2) Choose ONE of the following premises:
  - a) Home decor for unabashedly lazy people
  - b) Site for people who are having a mid-life crisis, but want you to think everything is fine
  - c) Venue for socially-awkward people
- 3) Wireframe the site
- 4) Make sure your names are on this!**



Figma.com

