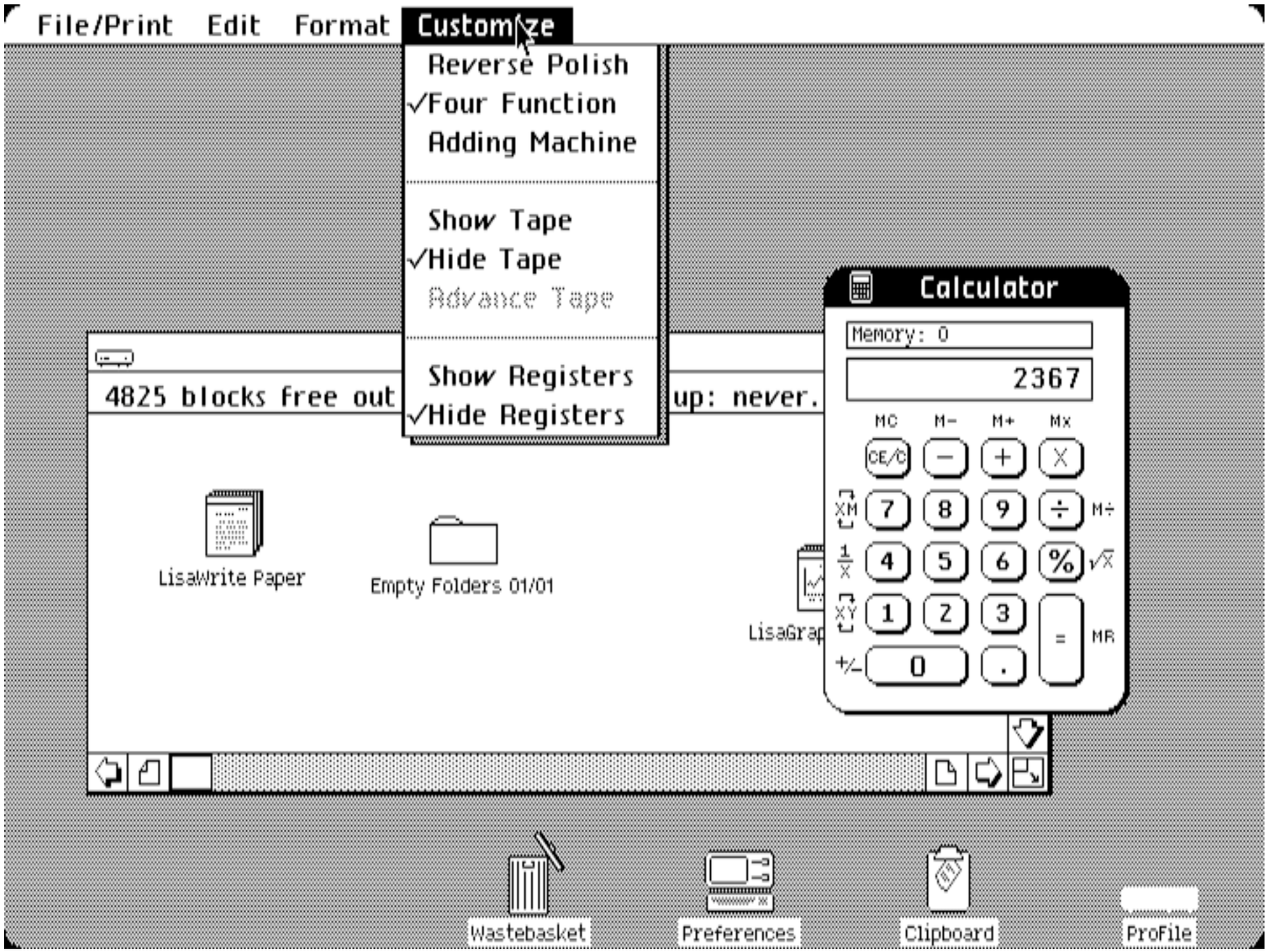
prototyping approaches

DON'T MAKE ME THINK

case study

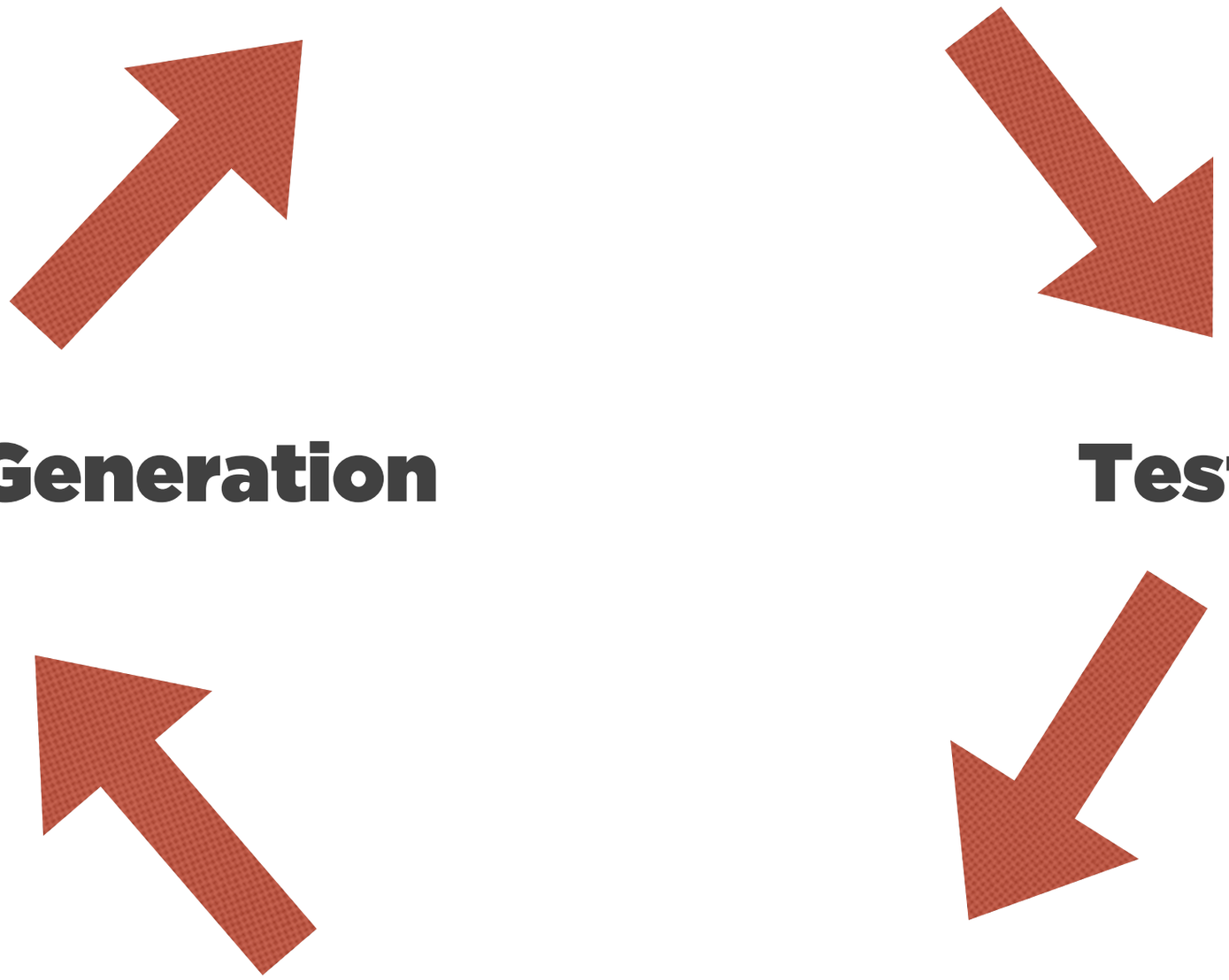

File/Print
Edit
Format
Customize
Reverse Polish
✓Four Function
Adding Machine
Show Tape
✓Hide Tape
Advance Tape
Show Registers
✓Hide Registers
4825 blocks free out
up: never.
Calculator
Memory: 0
2367
MC
M-
M+
MX
CE/C
7
8
9
4
5
6
1
2
3
0
=
MR
LisaWrite Paper
Empty Folders 01/01
Wastebasket
Preferences
Clipboard
ProFile

prototype | ˈprōtəˌtīp |

noun

a first or preliminary model of something, esp. a machine, from which other forms are developed or copied

Prototyping



Idea Generation

Testing

Observation

STAY
FOCUSED
& KEEP
SHIPPING
Facebook

DONE IS BETTER THAN PERFECT

THIS POSTER BROUGHT TO YOU BY THE FACEBOOK ANALOG RESEARCH LABORATORY

FAIL
HARDER

THIS POSTER BROUGHT TO YOU BY THE FACEBOOK ANALOG RESEARCH LABORATORY

MOVE FAST AND BREAK THINGS

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prototyping

- A prototype is "a representation of a design, made before the final solution exists."
- Near completion - it should represent the way it looks, feels, behaves and works.

why prototype?

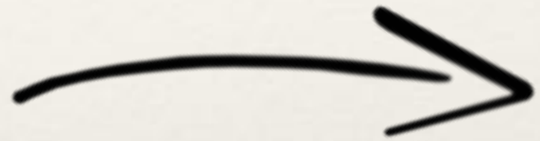
- Define the problem
- Provides proof of concept
- Speed up development
- Reduces development costs
- Quicker iterations

Has the advantage

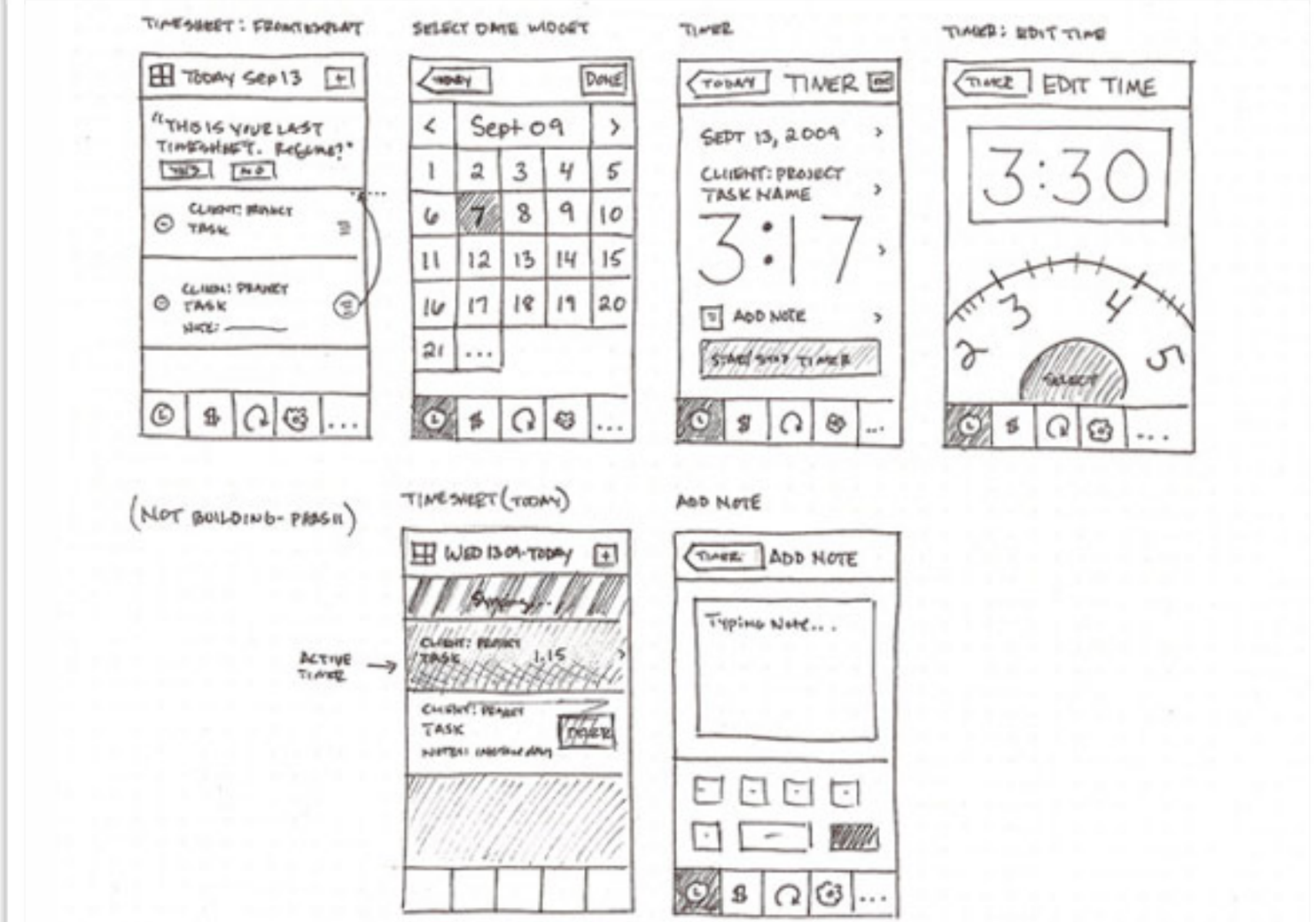
- Quick to make
- Finds usability problems quickly
- Conveys the concept
- Client can sign off what to build

"The most common estimate is that it's 100 times cheaper to make a change before any code has been written than to wait till after the implementation is complete"

–Jakob Nielsen



HORIZONTAL prototyping


TIMESHEET: FRONTSHEAT
TODAY Sep 13
"THIS IS YOUR LAST TIMESHEET. RECEIVE?"
YES
NO
CLIENT: PROJECT TASK
CLIENT: PROJECT TASK
NOTE:
SELECT DATE WIDGET
TODAY
DONE
< Sept 09 >
1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
16 17 18 19 20
21 ...
TIMER
TODAY
TIMER
SEPT 13, 2009
CLIENT: PROJECT TASK NAME
3:17
ADD NOTE
START/STOP TIMER
TIMER: EDIT TIME
TIMER
EDIT TIME
3:30
SELECT
(NOT BUILDING- PASS II)
TIMESHEET (TODAY)
WED 13-09-TODAY
ACTIVE TIMER
1.15
CLIENT: PROJECT
TASK
NOTE:
DELETE
ADD NOTE
TIMER
ADD NOTE
Typing Note...

vertical prototyping

Stephanie Ruisseau

Age *38*
Occupation *Highschool Teacher*
Marital Status *Married*
Social Status *Upper-Middle Class*
Hobby *Beer Tasting*

Motivations

Goals

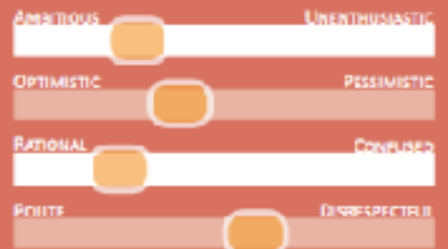
- to learn about each brewing company's year specials'
- to recommend to others her favourite beer
- to compare and contrast beers under the same company/between companies

Scenario	User's Experience
Stephanie visits the Toronto Beer Fest every year to pick her favourite beer. This year though, she is visiting with the goal to witness the top 3 beers and their brewing companies, plus learning about the specialties of the top 3 beers.	Stephanie uses the voting app of the Beer Fest to view the overall ranking of the beers available. She finds the top 3 beers voted by other visitors, and she clicks the name of each beer to learn about its specialties and its brewing company.
Stephanie wants to vote for her favourite beer(s), so she can see if other people have the same opinion as her, and to recommend her choice(s) of beer to others.	Stephanie uses the voting app of the Beer Fest to search from the list of beers, arranged in alphabetical order. She finds her ideal beer(s) and click its name to enter its info page. She clicks the 'VOTE' button, then she is directed to the overall ranking.

Robert Bonhomme

Age *42*
Occupation *Businessman*
Marital Status *Single*
Social Status *Upper-Middle Class*
Hobby *Making money*

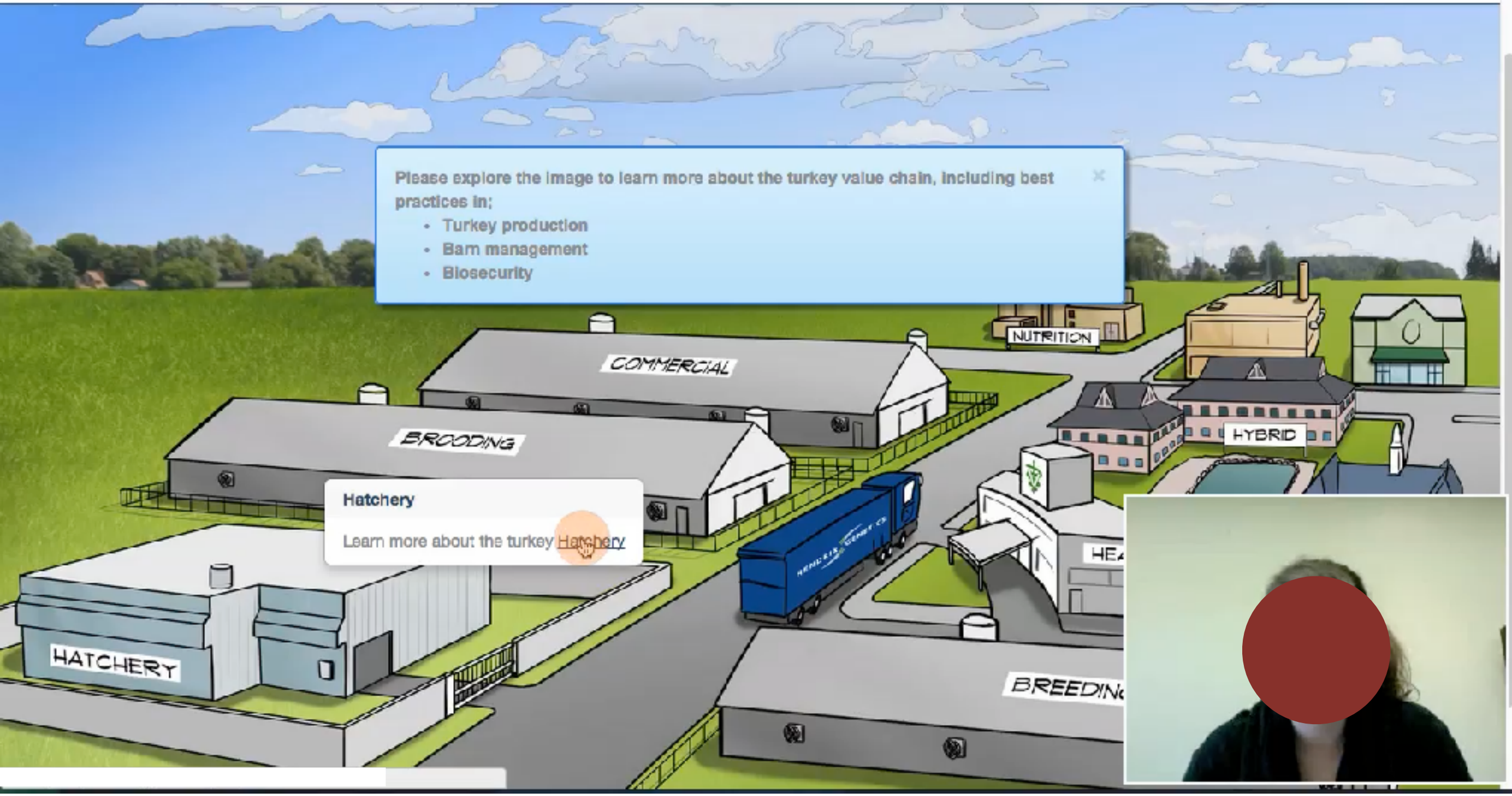
Personality



Goals

- to learn about each brewing company's year specials'
- to learn about people's favourites
- to witness each brewing companies' potential
- to find potential partners for business

Scenario	User's Experience
Robert missed his chance to visit the Toronto Beer Fest this year. He sits in his office, looking through this app to see rankings of the beers available. He is also interested in the reasons why certain beers are more beloved than the others.	Robert looks through the voting app to view the overall ranking of the beers available. On the page of overall ranking, he clicks the names of the top ranked and lower ranked beers to learn about the brewing process and ingredients.
Robert, as an earnest businessman, is interested in making a business out of selling beer. He is interested in exploring the brewing companies that brewed people's favourite beers, and hopefully to find a business partner.	After learning about different beers' specialties, Robert returns to the page of overall ranking to scroll and check the brewing companies that brewed beers beloved by lots of people (ranked high), as well as the companies that brewed the most beer.


Please explore the image to learn more about the turkey value chain, including best practices in:
• Turkey production
• Barn management
• Biosecurity
NUTRITION
COMMERCIAL
BROODING
HYBRID
Hatchery
Learn more about the turkey Hatchery
HATCHERY
BREEDING

Design Prototype Natl_Parks.design Device Simulator

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Backpacking Through Southern Utah

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CAMPING: THE ROCKY MOUNTAINS

Top destination

LONGREAD: JOSHUE TREE

Dept. of History

Latest - Rocky Mountains

ROCKY MOUNTAINS

Top destination for 2015

"There are days which occur in this climate, at almost any season of the year, wherein the world reaches its perfection, when the air, the heavenly bodies, and the earth, make a harmony, as if nature would indulge her offspring; when, in these bleak upper side of the planet, nothing is to desire that we have heard of the happiest latitudes, and we bask in the shining hours of Utah or Montana; when everything that has life gives signs of...

SEE MORE

Feature Story - Zion

Backpacki Through Southern U

with Talin Wadsworth

10 DAYS

54 MILES

Joshua Tree

Yosemite

W 60 X 100 0°

H 60 Y 100 0

100% Blend Normal

APPEARANCE

Border

1 Inside

100% H 0 S 0 B 54

Code #8A8A8A

Fill

Inner Shadow

Shadow

100%

Overview Buttons Forms Components Search Dropdown

Secondday link
Something else here

Buttons and navigation

Use these vector based elements to mockup a Bootstrap website with form elements.
All elements are full customizable.

Buttons Navigation Labels Badges Typography Thumbnails Alerts Progress bars Miscellaneous

Default Primary Info Success Danger Warning Inverse
Default Primary Info Success Danger Warning Inverse
Default Primary Info Success Danger Warning Inverse

1
2
4
6
8
10

Home
Profile
Messages

Large action
Large action

Default Success Warning Important Info Inverse

1 2 3 4

Left Middle Right

Home Profile Messages

Home Profile Messages

Home / Library / Data

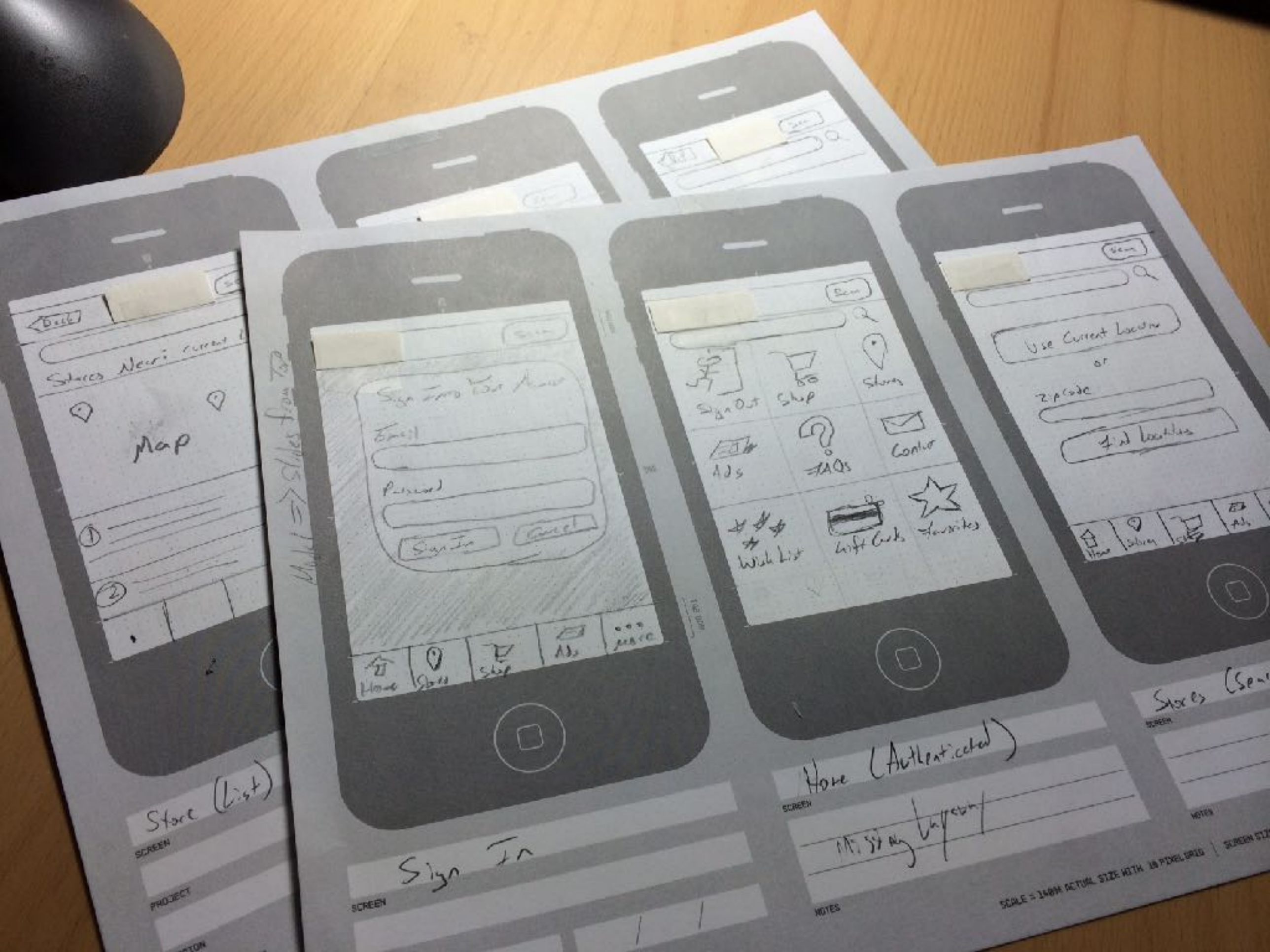
« 1 2 3 4 »

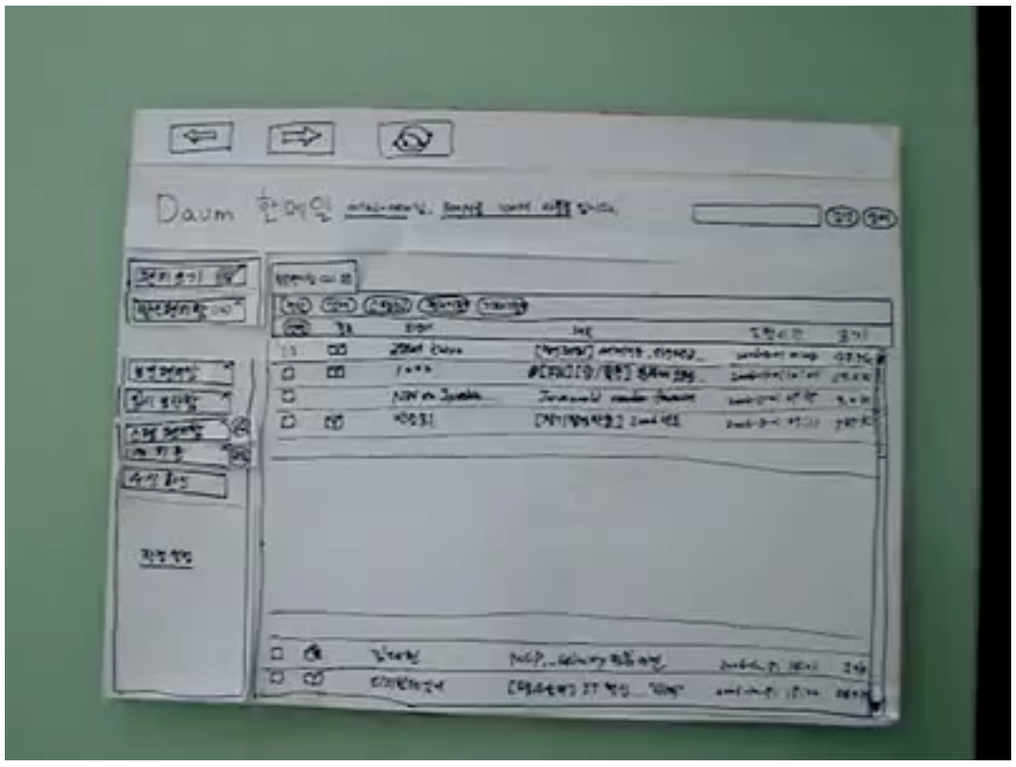
← Older Newer →

Home
Profile
Messages

Home
Library
Applications

Use this PSD to design your Bootstrap website.
Hope you can use it, RepixDesign.com


Map
Sign In
Email
Password
Sign In
Cancel
Use Current Location
or
Zip Code
Find Locations
Sign Out
Shop
Stores
FAQs
Contact
Wish List
Gift Cards
Favorites
Home
Stores
Store (List)
Sign In
Home (Authenticated)
SCREEN
PROJECT
NOTES


Daum

pointers

- Don’t become too attached to prototype, if it’s not working - re-evaluate the solution and move on
- Be careful of “feature creep” - testers often think they can have anything - whether good or bad
- Be time conscious - goal is to reduce time and costs

throwaway prototyping

definition

- Throwaway prototyping is where the objective of the evolutionary development process is to understand the customer's requirements and hence develop a better requirements definition for the system. The prototype concentrates on experimenting with the customer requirements that are poorly understood.
- (Sommerville: Software Engineering, 8th Edition)

Questions for prototyping

- What does the user expect to see?
- Does the app make sense?
- Has any process been left out?
- Is it easy to learn?
- Are tasks easy to complete/Is the app efficient to use?
- What errors can the user make?

Exercise

- How would you create a system to pick 5 favourite riders from 200 competitors in the Tour De France?
- How do you visualise the picking system?
- How does the user sort through 200 riders on the screen?
- Where do you start with the display order?
- What information is given to help the user sort?
- Create a series of wireframes to show the user experience