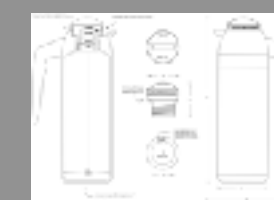
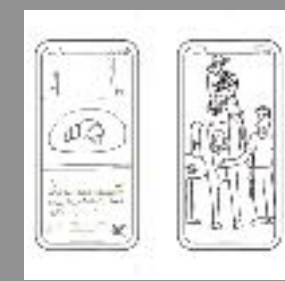
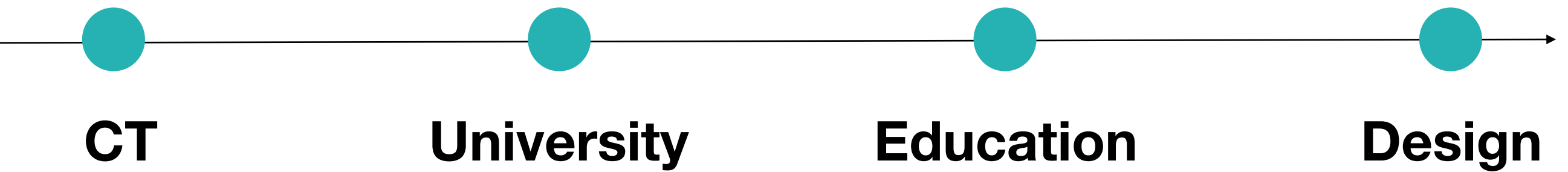


# Noah Ratzan

## Interaction Designer





# Design Skills

**Design Research & Synthesis**

**Ideation**

**Prototyping**

**Hand-drawing**

**Adobe Illustrator, Photoshop, XD**

**HTML, Javascript, CSS**

**Physical Prototyping (paper/cardboard, foam, casting)**

**Sketch-up**

**Brief:**

# Design for your First Job





# Smart Carafe





**Design Process**

Learn while you wait app

Point + info comes up about food while in line.

SMART MILK CAN

DRINK MOOD

Learn origin storyteller

**Ideation**

[illegible][illegible]

**Design Process**

Learn while you wait app

Point + info comes up about food while in line.

SMART  
MILK CAN

DRINK MOOD

Learn origin storyteller

**Ideation**

**Design Process**

Learn while you wait app

Point + info comes up about food while in line.

SMART  
MILK CAN

DRINK MOOD

Learn origin storyteller

**Ideation**

**Design Process**

Learn while you wait app

Point + info comes up about food while in line.

SMART  
MILK CARAF

DRINK MOOD

Learn origin storyteller

**Ideation**

**Design Process**

Learn while you wait app

Point + info comes up about food while in line.

SMART  
MILK CARAF

DRINK MOOD

Learn origin storyteller

**Ideation**

**Design Process**

Learn while you wait app

Point + info comes up about food while in line.

SMART  
MILK CARAF

DRINK MOOD

Learn origin storyteller

**Ideation**

**Design Process**

Learn while you wait app

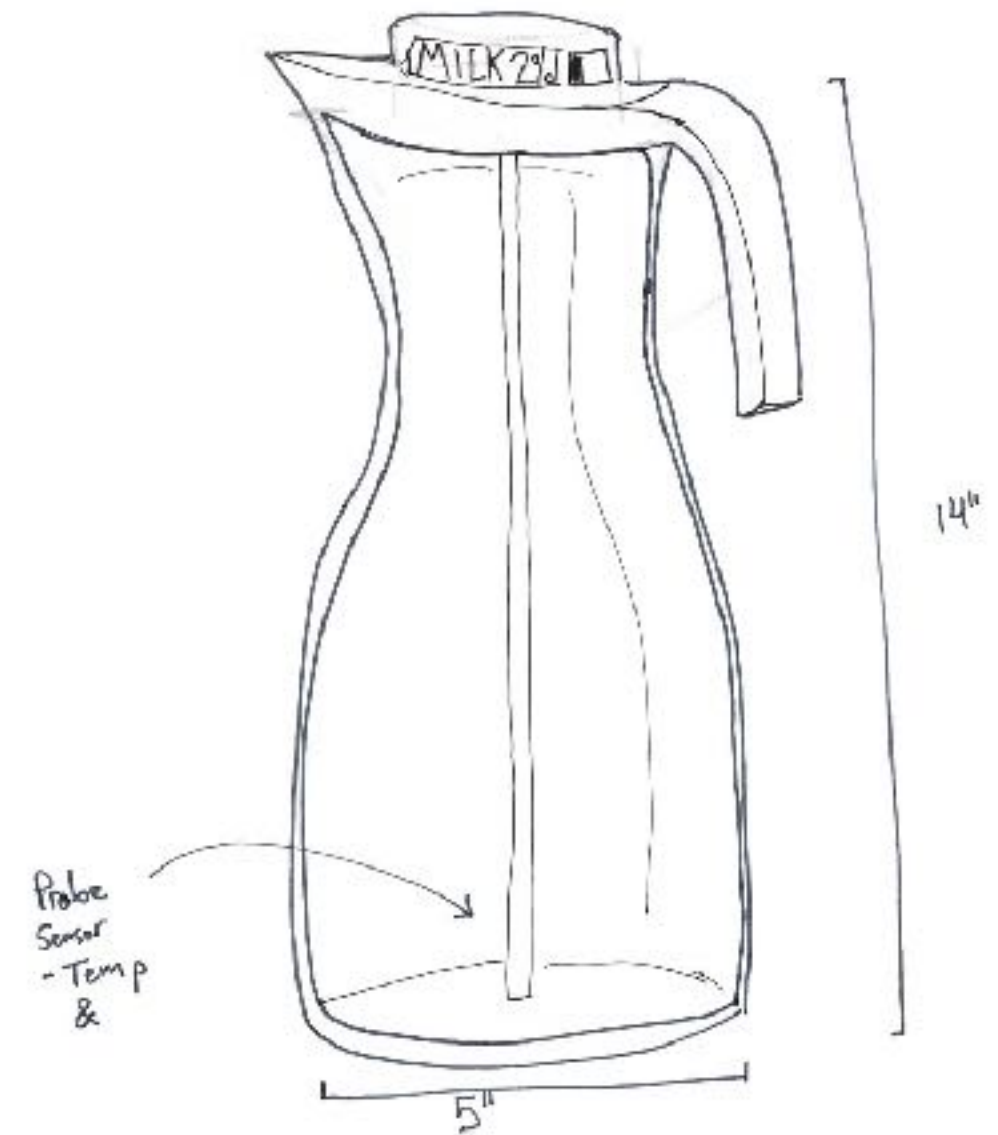
Point + info comes up about food while in line.

SMART  
MILK CARAF

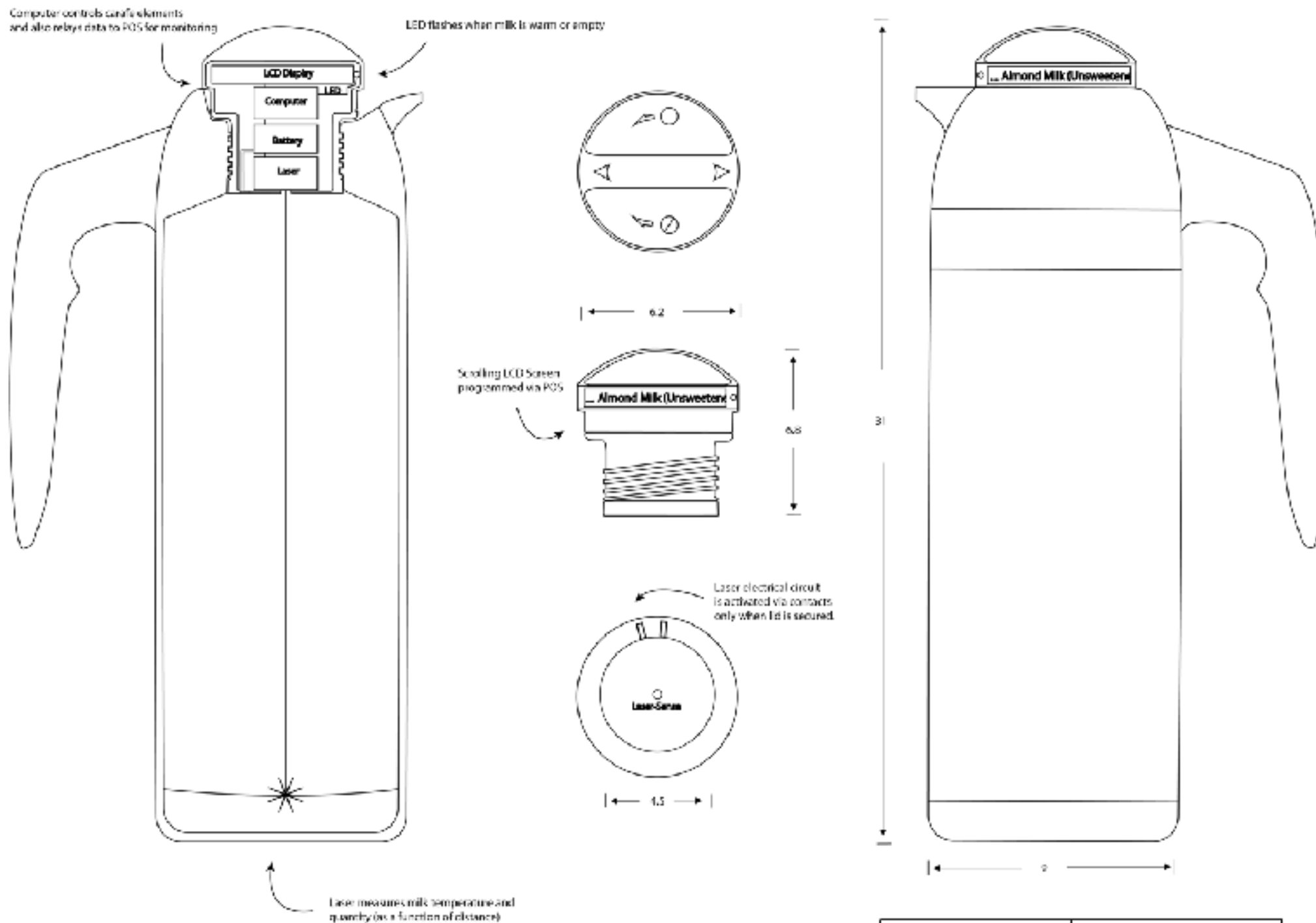
DRINK MOOD

Learn origin storyteller

**Ideation**



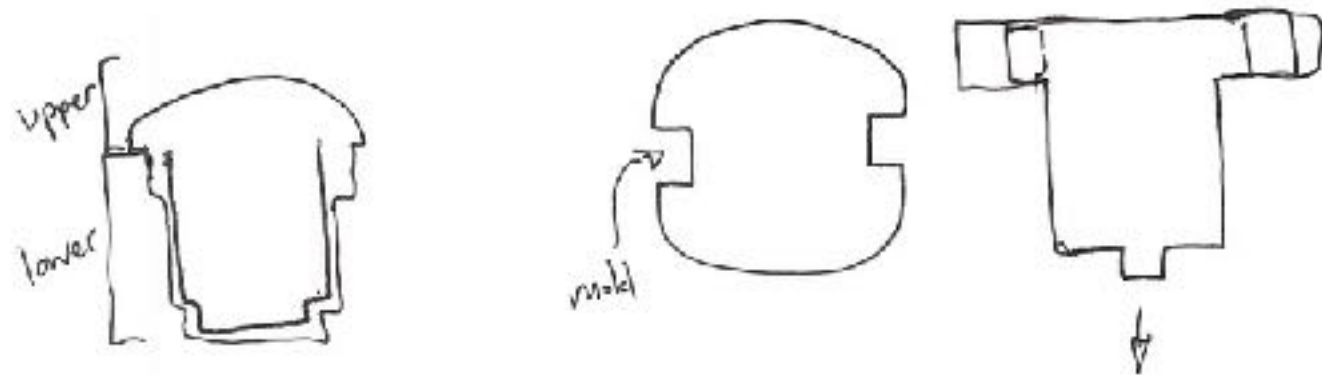
# Sketching



Noah Ratzan	Smart Carafe
09/15/2017	C. Ambrose
Scale 1:1	Units: cm

# Orthographic Drawings

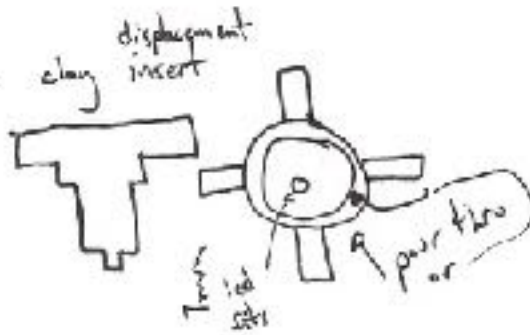




1. Mold lower



2. Make clay insert



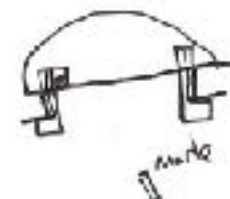
3. Mold top



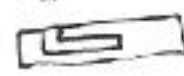
4. Make clay disc



space top-bottom



Make posts w/ clay bakes then set in cast with col. original, broke for smt.



5. Make cast of disc / or bakes as is.



6. Make casts



Problematic, need a post

7. Assemble



# Physical Prototyping



# Physical Prototyping



# Scenario



# Studio



# Next Steps

**Develop Works-like Prototype**

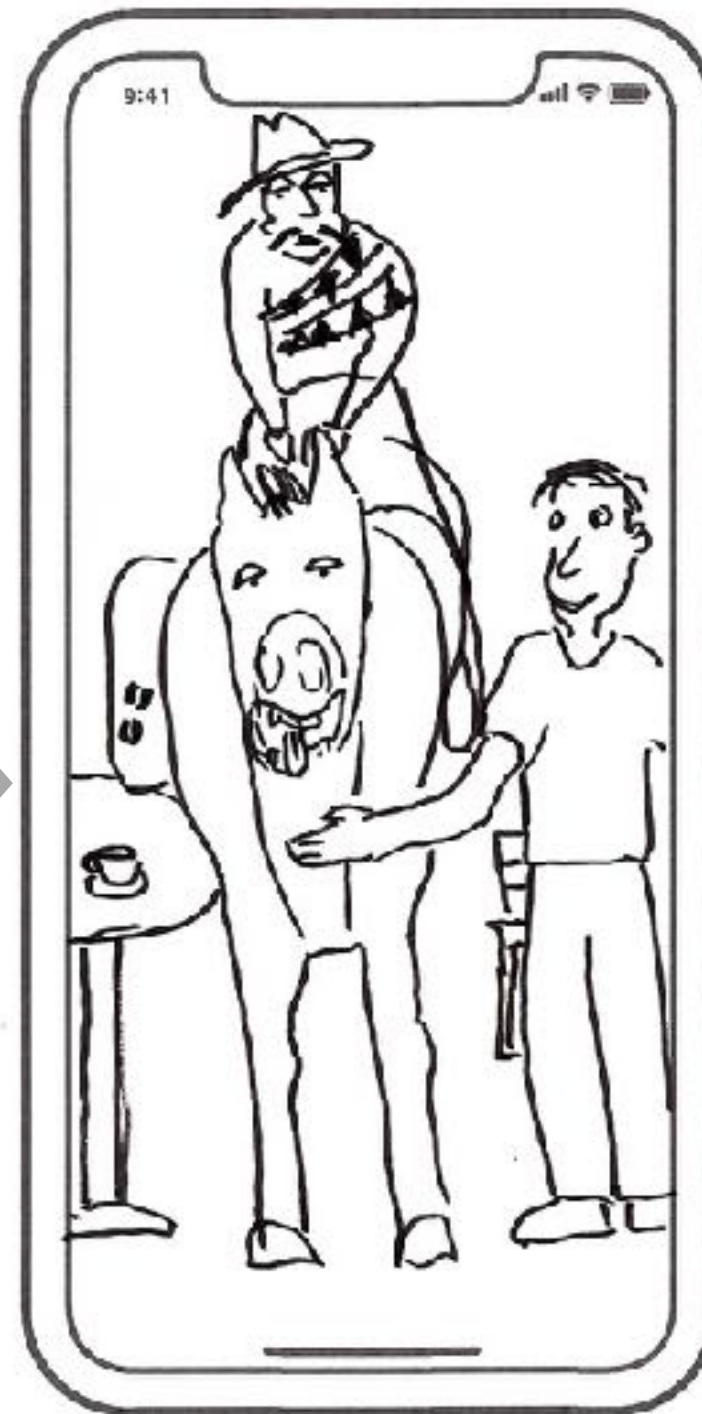
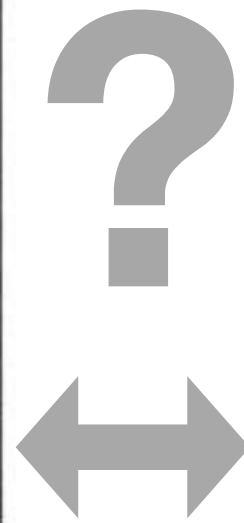
**Test usability in cafes**



# Food View







**Ideation**





# Mock-up



# Usability Testing

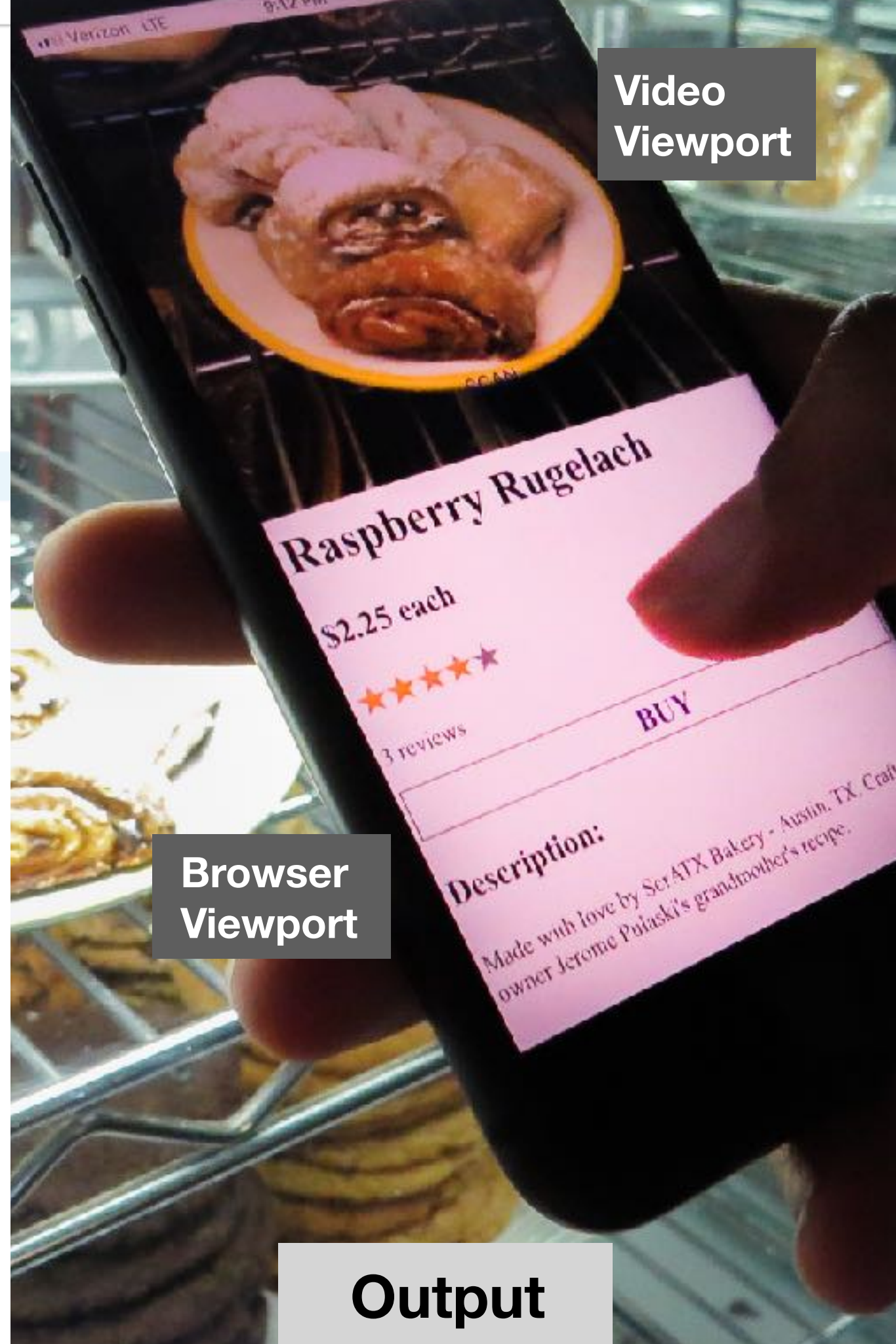




How'd it do that?

```
9 import UIKit
10
11 import SceneKit
12 import SceneKit
13 import ARKit
14 import WebKit
15
16 class ViewController: UIViewController, ARSCNViewDelegate {
17     @IBOutlet weak var webView: WKWebView!
18     @IBOutlet weak var sceneView: ARSCNView!
19     @IBOutlet weak var scanButton: UIButton!
20     var currentWebPage = 0;
21     let webPages = [
22         "https://ac4d-2018-idse103-pr-72.herokuapp.com/assignments/4/noah/
23         rugelach.html",
24         "https://ac4d-2018-idse103-pr-72.herokuapp.com/assignments/4/noah/
25         chocolatecookie.html",
26         "https://ac4d-2018-idse103-pr-72.herokuapp.com/assignments/4/noah/
27         baranachocbiffin.html"
28     ]
29
30     override func viewDidLoad() {
31         super.viewDidLoad()
32
33         sceneView.delegate = self
34         sceneView.showsStatistics = false
35         let scene = SCNScene(named: "blank.scn")!
36         // let scene = SCNScene()
37         sceneView.scene = scene;
38     }
39
40     override func didReceiveMemoryWarning() {
41         super.didReceiveMemoryWarning()
42         // Dispose of any resources that can be recreated.
43     }
44
45     @IBAction func touchButton(_ sender: Any) {
46         print("Button Push!")
47         let webPage = webPages[currentWebPage]
48         let myURL = URL(string: webPage)
49         let myRequest = URLRequest(url: myURL!)
50         webView.load(myRequest)
51         if (currentWebPage < (webPages.count - 1)) {
52             currentWebPage = currentWebPage + 1
53         } else {
54             currentWebPage = 0
55         }
56     }
57
58     override func viewWillAppear() {
59         super.viewWillAppear()
60     }
61 }
```

XCode



Video  
Viewport

Browser  
Viewport

Output

```
File Edit Selection Find View Goto Tools Project Window Help
rugelach.html UNREGISTERED

rugelach.html x
1 <!DOCTYPE html>
2 <html>
3 <head>
4
5 <style>
6 a:link {
7     color: #e2531f;
8     background-color: white;
9     text-decoration: none;
10 }
11
12 </style>
13 </head>
14 <body>
15 <h1>Rugelach</h1>
16
17 <h3> $2.25 each</h3>
18
19 </a>
20
21 <p>3 reviews</p>
22
23 <div style="font-size:18pt; border:2px solid black; padding:
    5px; text-align:center; "><a href="#home"><strong>BUY</
    strong></a></div>
24
25 <h3>Description:</h3>
26
27 <p>Made with love by ScrATX Bakery - Austin, TX. Crafted
    after owner Jerome Pulaski's grandmother's recipe.</p>
28
29 <h3>Ingredients</h3>
30
31 <ul>
32     <li>Flour</li>
```

HTML



Output



The background of the entire slide is a close-up, high-resolution image of dark brown, roasted coffee beans. The beans are densely packed and have a glossy, slightly uneven texture. A semi-transparent dark grey rectangular box is overlaid on the left side of the image, containing the text.

# Next Steps

**Integrate Nutrition Info**

**Use QR or similar**

**Re-test for usability**



# Noah Ratzan

## Interaction Designer

