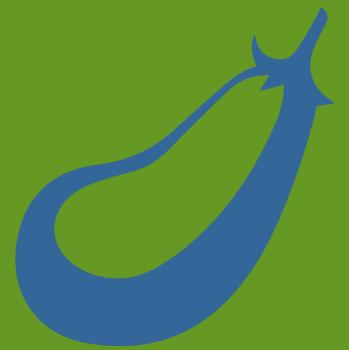




# SOW & GROW

A crop based  
coding adventure



**Eat better**



(Home grown)

<h2>

**Code better**

</h2>

(javascript)



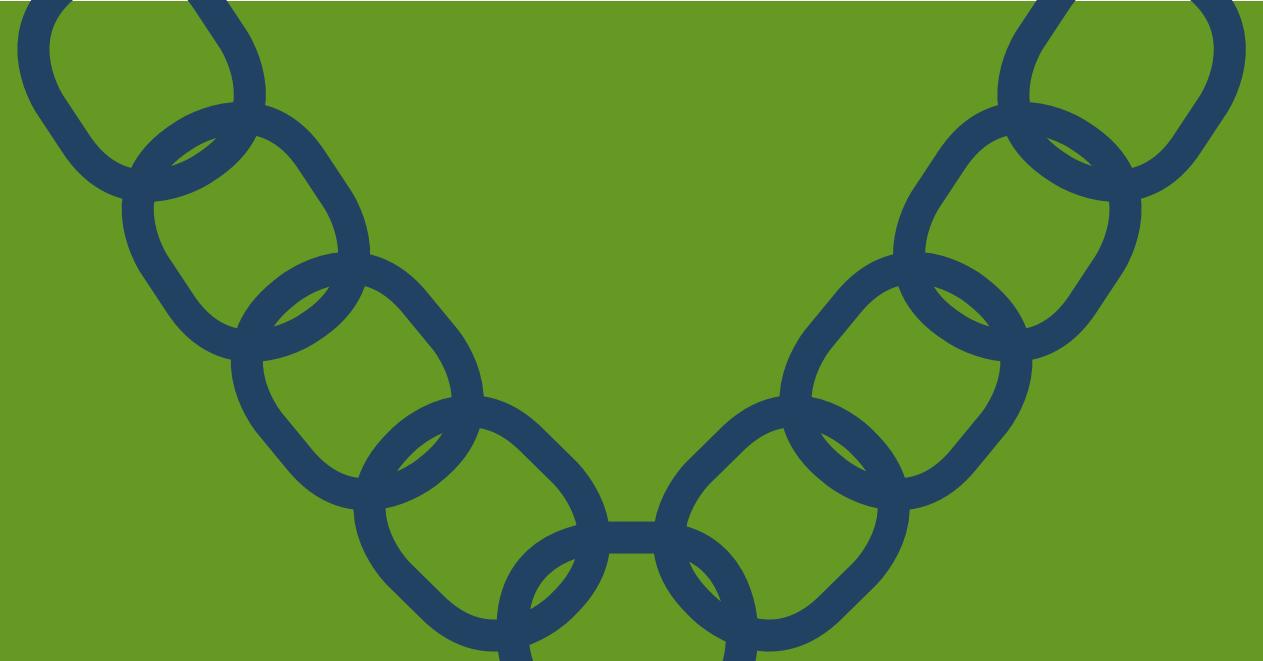
Health



Sunshine

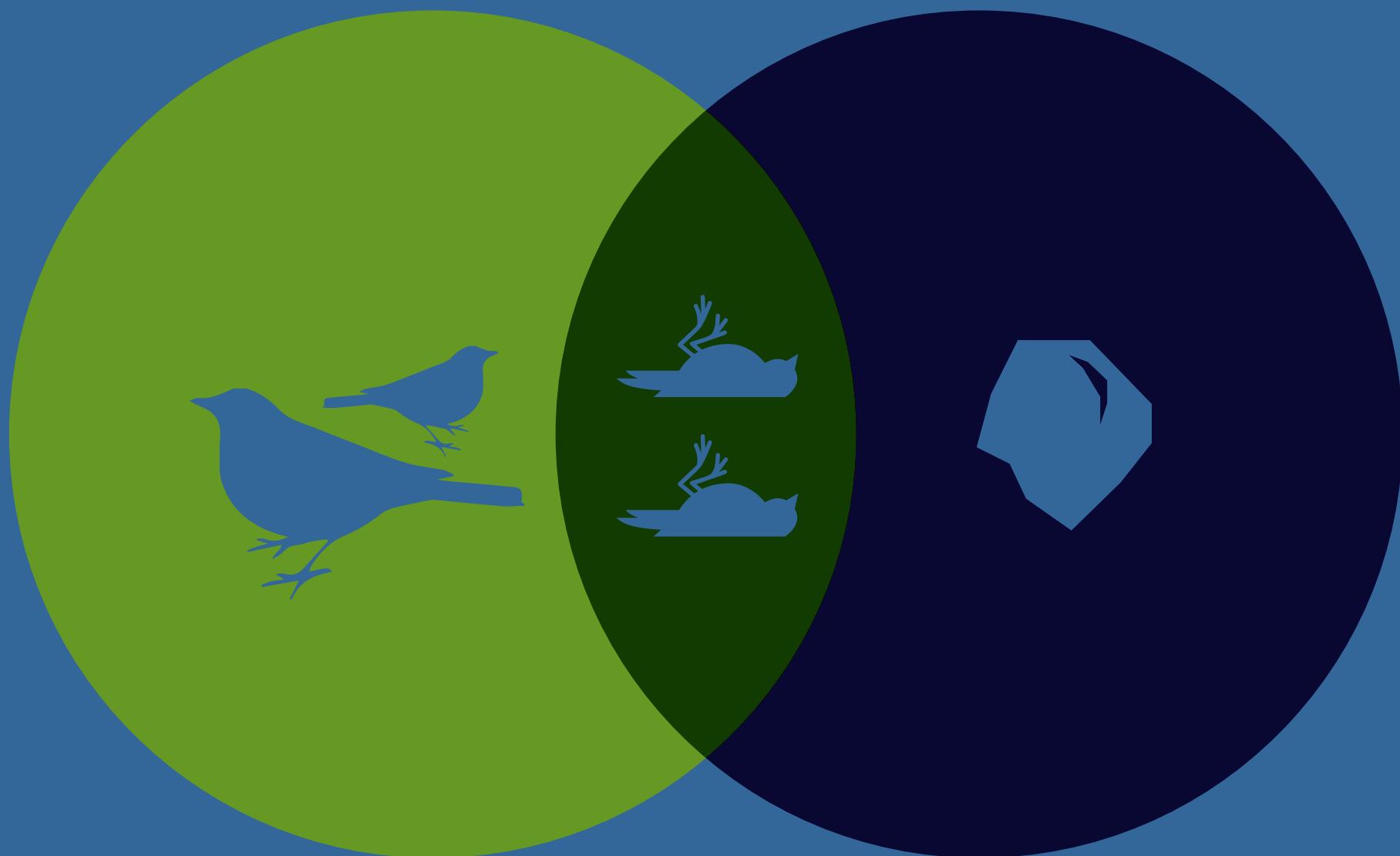


Money



```
$('#whyAmIUsingThis')
.addClass('knowledge');
```

**...wouldn't it be great...**



Two birds

One stone

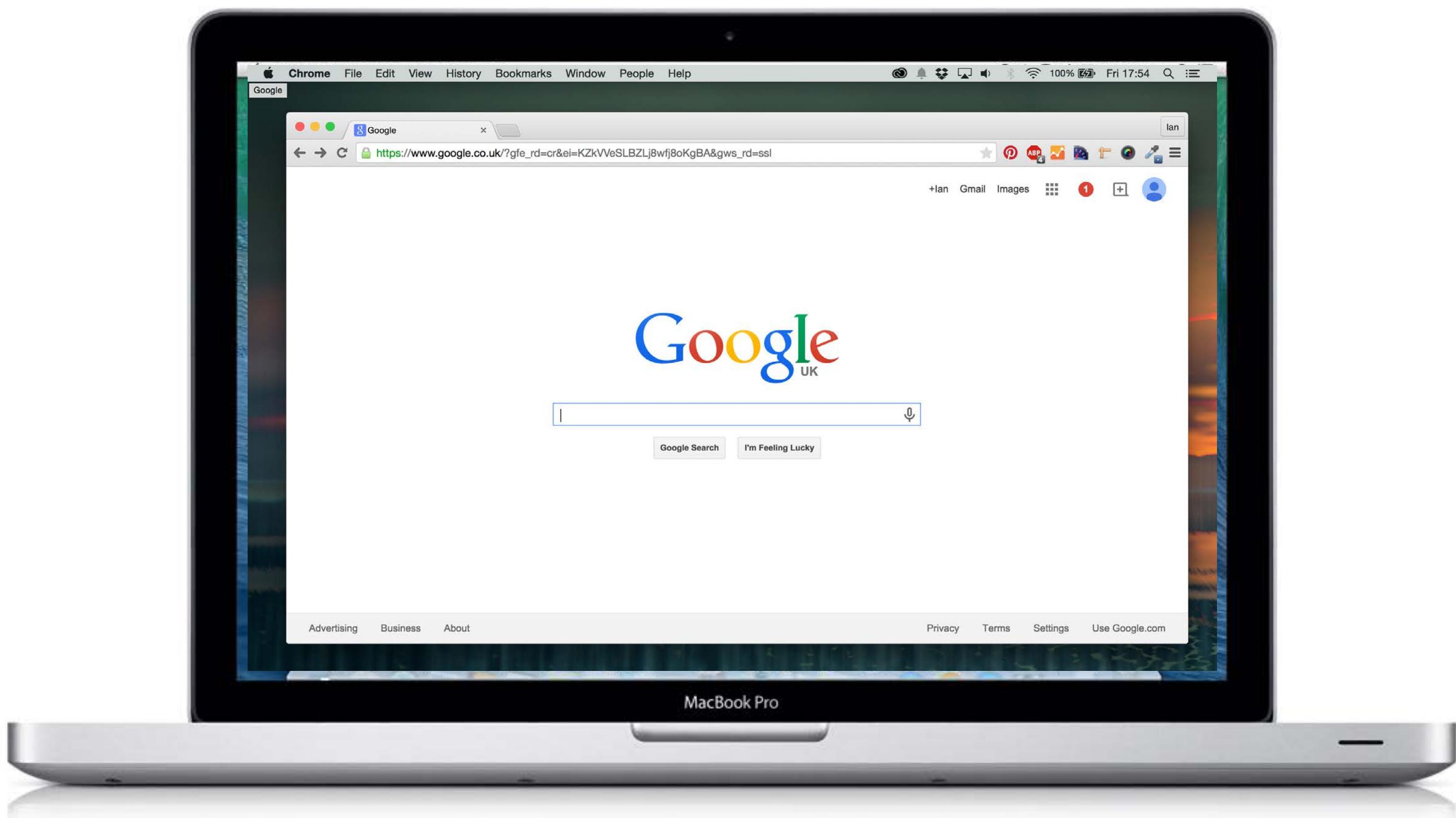
...?

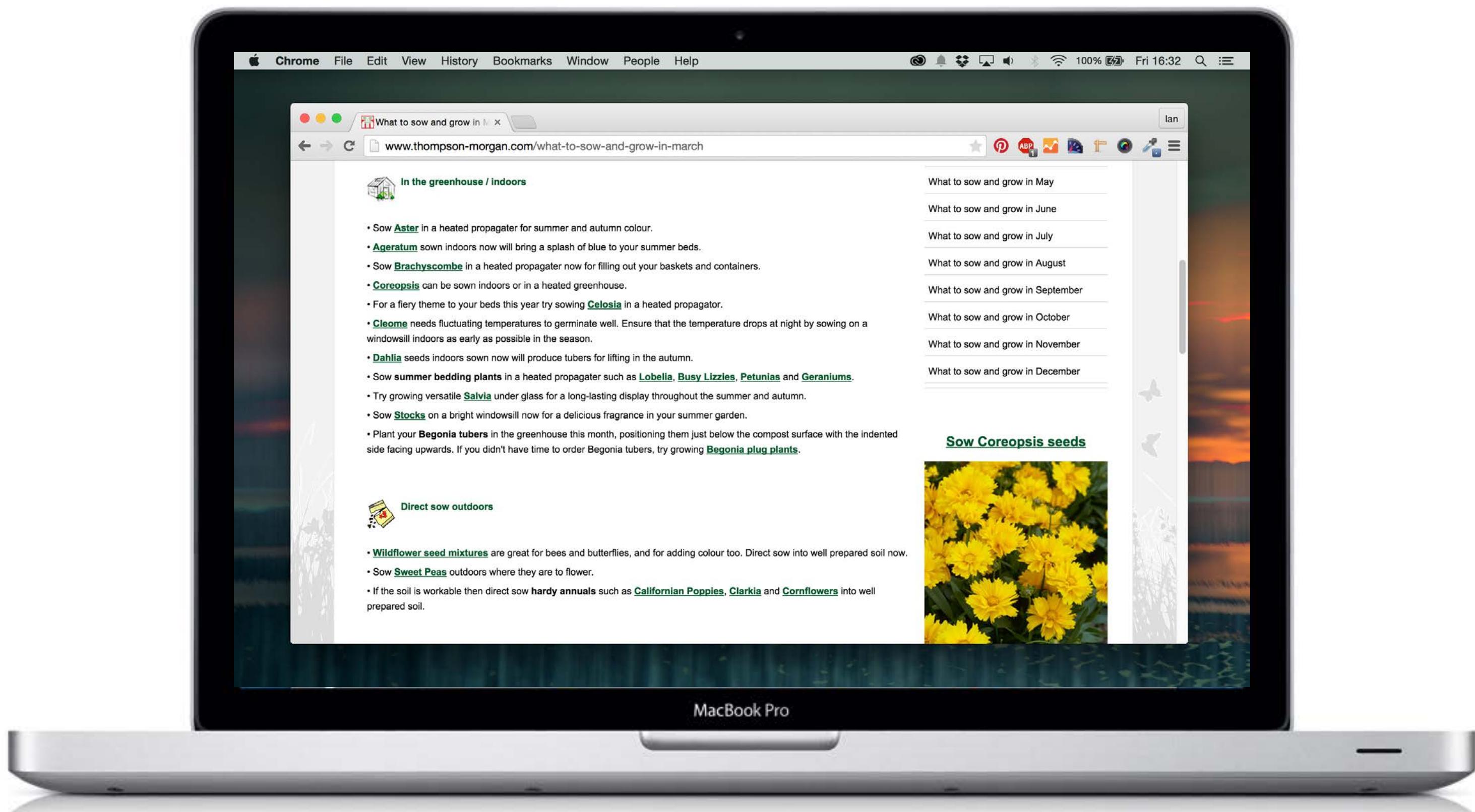
I popped down to homebase...

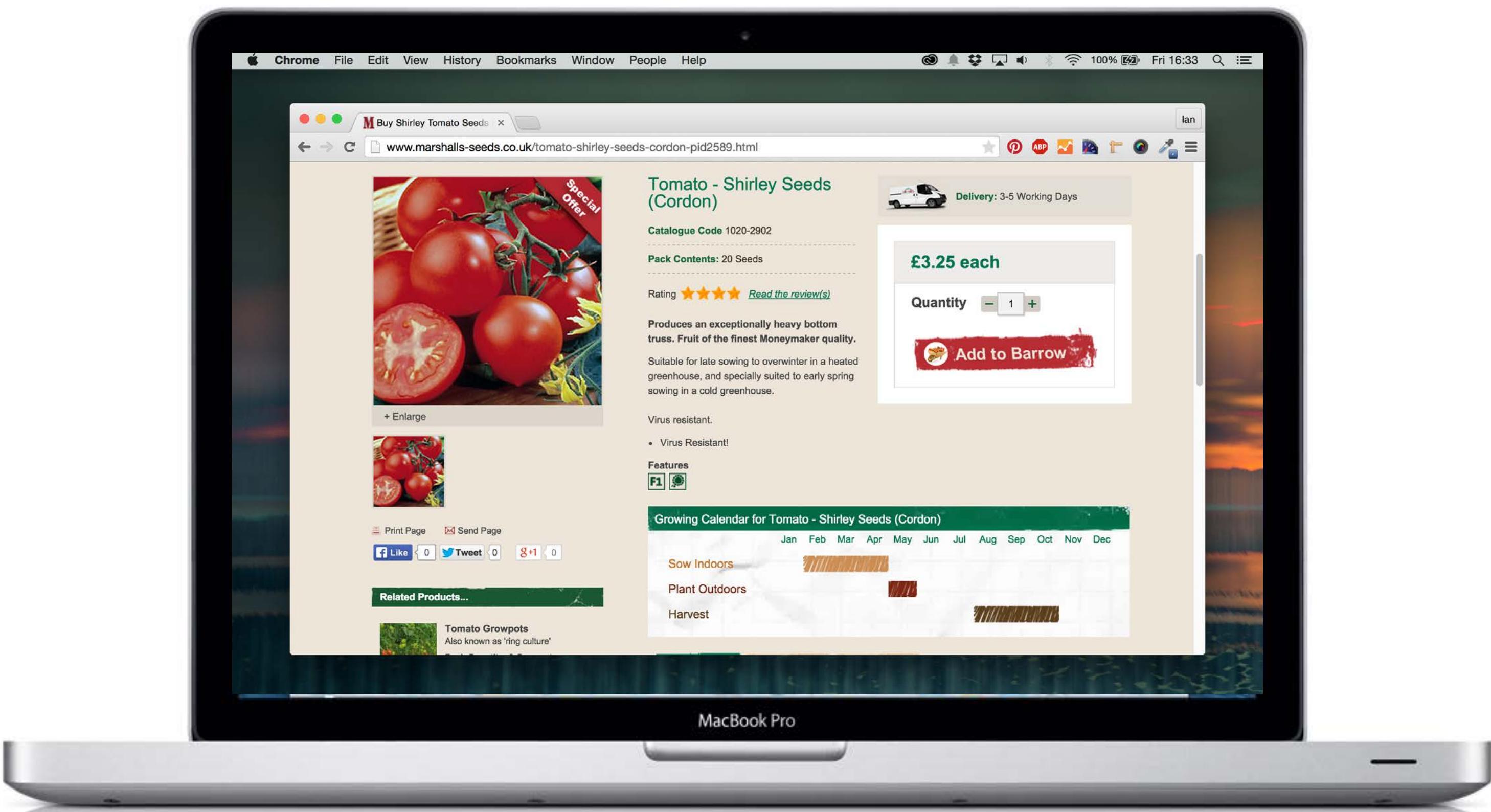


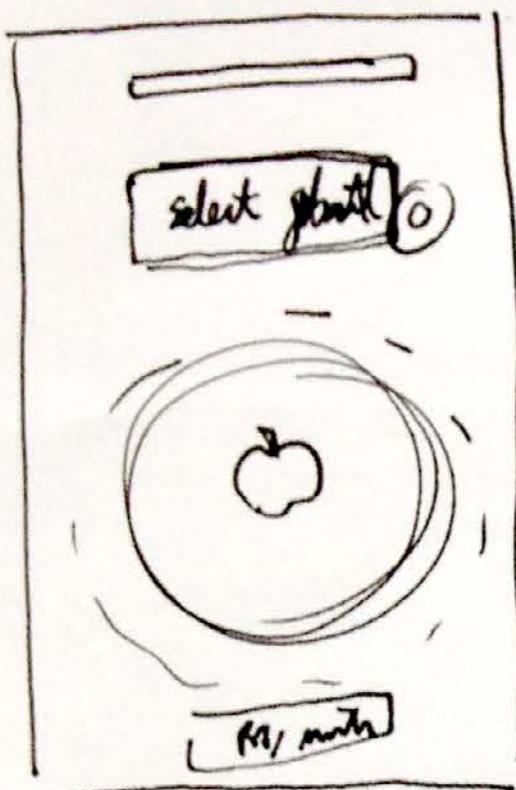






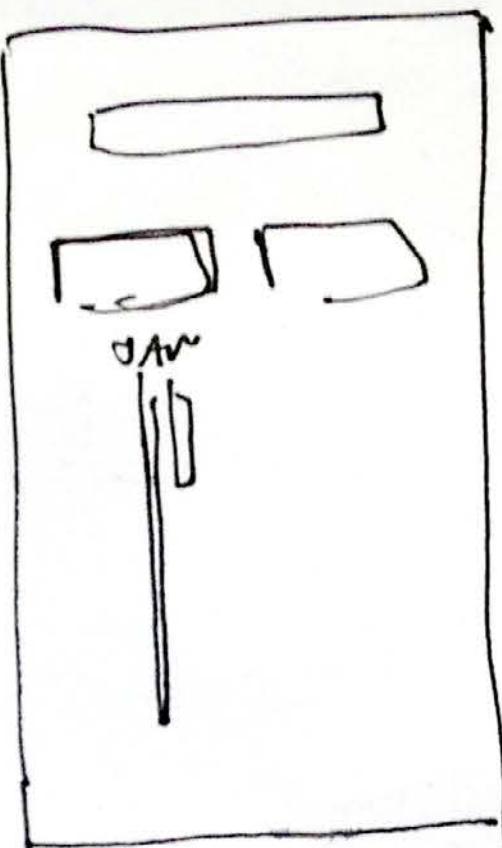




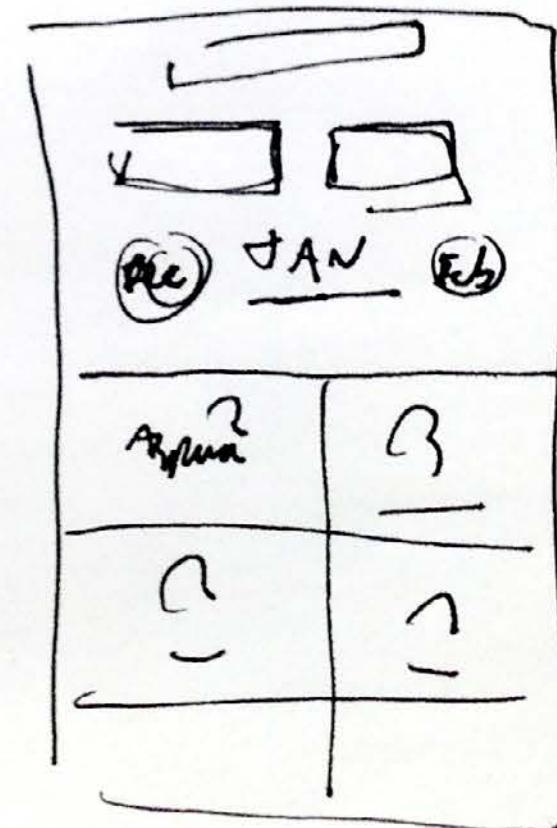


→

-	=	-
0	0	2
-	+	0
—	—	—
—	—	—



DAN	EB	nr
Aspar		
Air		
Bent		



Illustrator File Edit Object Type Select Effect View Window Help

No Selection Stroke: 1 px Uniform 3 pt. Round Opacity: 100% Style: Document Setup Preferences

150225 Veg grow mockups.ai @ 100% (RGB/Preview)

SOW & HARVEST

Crop Month

Jan Oct Apr Jul

Asparagus Aubergine Beetroot

Broccoli Broad Bean Carrots

Cabbage Cauliflower Cougettes

Chillis French Bean Garlic

SOW & HARVEST

Crop Month

Jan Oct Apr Jul

Asparagus

SOW & HARVEST

Crop Month

January February March

April May June

July August September

October November December

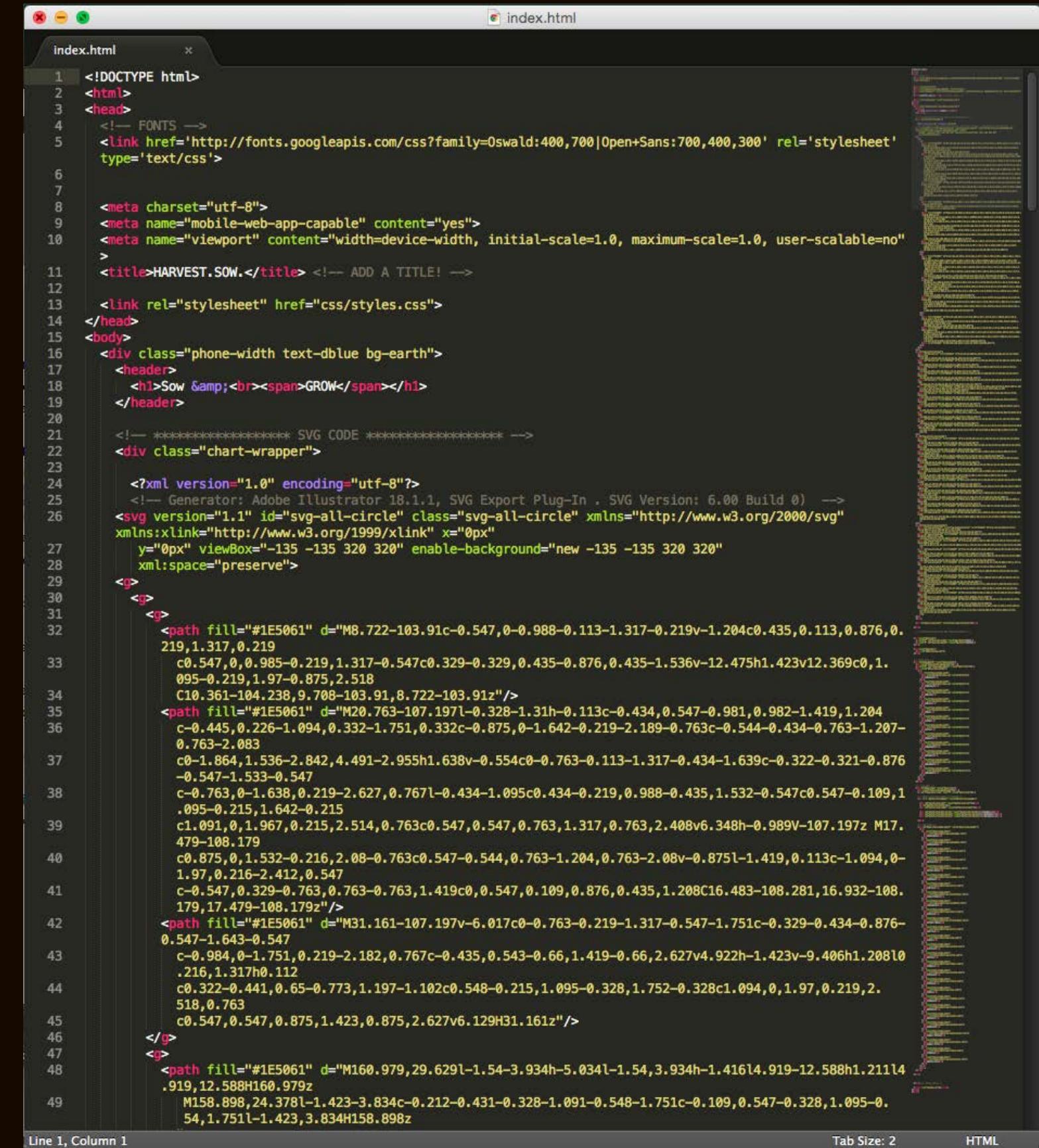
SOW & HARVEST

January

Aubergine Broad Bean

Rhubarb

Very pretty  
...  
now build it!



The image shows a screenshot of a code editor with two tabs open: "index.html" and "styles.css".

The "index.html" tab contains the following code:

```
<!DOCTYPE html>
<html>
<head>
<!-- FONTS -->
<link href='http://fonts.googleapis.com/css?family=Oswald:400,700|Open+Sans:700,400,300' rel='stylesheet' type='text/css'>
<meta charset="utf-8">
<meta name="mobile-web-app-capable" content="yes">
<meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no" >
<title>HARVEST.SOW.</title> <!-- ADD A TITLE! -->
<link rel="stylesheet" href="css/styles.css">
</head>
<body>
<div class="phone-width text-dblue bg-earth">
<header>
<h1>Sow &lt;br><span>GROW</span></h1>
</header>
<!-- ***** SVG CODE ***** -->
<div class="chart-wrapper">
<?xml version="1.0" encoding="utf-8"?>
<!-- Generator: Adobe Illustrator 18.1.1, SVG Export Plug-In . SVG Version: 6.00 Build 0 -->
<svg version="1.1" id="svg-all-circle" class="svg-all-circle" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" x="0px" y="0px" viewBox="-135 -135 320 320" enable-background="new -135 -135 320 320" xml:space="preserve">
<g>
<g>
<g>
<path fill="#1E5061" d="M8.722-103.91c-0.547,0-0.988-0.113-1.317-0.219v-1.204c0.435,0.113,0.876,0.219,1.317,0.219c0.547,0,0.985-0.219,1.317-0.547c0.329-0.329,0.435-0.876,0.435-1.536v-12.475h1.423v12.369c0,1.095-0.219,1.97-0.875,2.518C10.361-104.238,9.708-103.91,8.722-103.91z"/>
<path fill="#1E5061" d="M20.763-107.197l-0.328-1.31h-0.113c-0.434,0.547-0.981,0.982-1.419,1.204c-0.445,0.226-1.094,0.332-1.751,0.332c-0.875,0-1.642-0.219-2.189-0.763c-0.544-0.434-0.763-1.207-0.763-2.083C0-1.864,1.536-2.842,4.491-2.955h1.638v-0.554c0-0.763-0.113-1.317-0.434-1.639c-0.322-0.321-0.876-0.547-1.533-0.547c-0.763,0-1.638,0.219-2.627,0.767l-0.434-1.095c0.434-0.219,0.988-0.435,1.532-0.547c0.547-0.109,1.095-0.215,1.642-0.215c1.091,0,1.967,0.215,2.514,0.763c0.547,0.547,0.763,1.317,0.763,2.408v6.348h-0.989v-107.197zM17.479-108.179c0.875,0,1.532-0.216,2.08-0.763c0.547-0.544,0.763-1.204,0.763-2.08v-0.875l-1.419,0.113c-1.094,0-1.97,0.216-2.412,0.547c-0.547,0.329-0.763,0.763-0.763,1.419c0,0.547,0.109,0.876,0.435,1.208C16.483-108.281,16.932-108.179,17.479-108.179z"/>
<path fill="#1E5061" d="M31.161-107.197v-6.017c0-0.763-0.219-1.317-0.547-1.751c-0.329-0.434-0.876-0.547-1.643-0.547c-0.984,0-1.751,0.219-2.182,0.767c-0.435,0.543-0.66,1.419-0.66,2.627v4.922h-1.423v-9.406h1.208l0.216,1.317h0.112c0.322-0.441,0.65-0.773,1.197-1.102c0.548-0.215,1.095-0.328,1.752-0.328c1.094,0,1.97,0.219,2.518,0.763c0.547,0.875,1.423,0.875,2.627v6.129H31.161z"/>
</g>
<g>
<path fill="#1E5061" d="M160.979,29.629l-1.54-3.934h-5.034l-1.54,3.934h-1.416l4.919-12.588h1.211l4.919,12.588H160.979zM158.898,24.378l-1.423-3.834c-0.212-0.431-0.328-1.091-0.548-1.751c-0.109,0.547-0.328,1.095-0.54,1.751l-1.423,3.834H158.898z"/>
```

The "styles.css" tab contains the following code:

```
body {
    background-color: #f0f0f0;
    font-family: Oswald, sans-serif;
    margin: 0;
    padding: 0;
}

body::before {
    content: "HARVEST.SOW";
    position: absolute;
    top: 0;
    left: 0;
    width: 1000px;
    height: 1000px;
    background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px), linear-gradient(to bottom, black 50%, transparent 50%), linear-gradient(to right, black 50%, transparent 50%);
    transform: rotate(-45deg);
    z-index: -1;
}

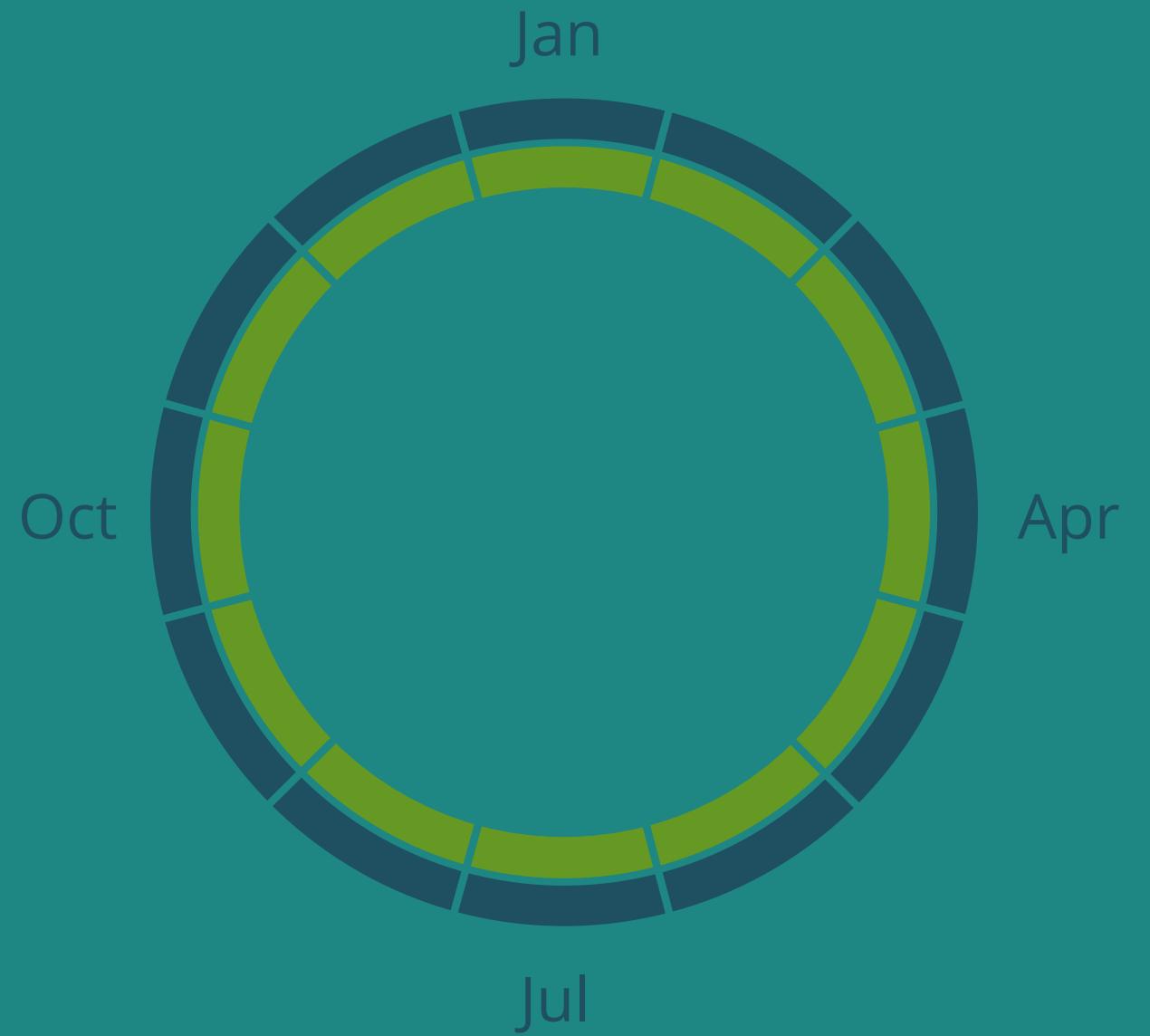
body::after {
    content: "GROW";
    position: absolute;
    top: 0;
    left: 0;
    width: 1000px;
    height: 1000px;
    background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px), linear-gradient(to bottom, black 50%, transparent 50%), linear-gradient(to right, black 50%, transparent 50%);
    transform: rotate(-45deg);
    z-index: -1;
}

body::before, body::after {
    position: absolute;
    top: 0;
    left: 0;
    width: 1000px;
    height: 1000px;
    background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px), linear-gradient(to bottom, black 50%, transparent 50%), linear-gradient(to right, black 50%, transparent 50%);
    transform: rotate(-45deg);
    z-index: -1;
}
```

Line 1, Column 1

Tab Size: 2

HTML



```
var vegData = [
  {
    name: "Asparagus",
    inside: "011100000000",
    outside: "000010000000",
    harvest: "000011000000"
  },
  {
    name: "Aubergine",
    inside: "011100000000",
    outside: "000011000000",
    harvest: "000000111100"
  },
  {
    name: "Beetroot",
    inside: "000000000000",
    outside: "001111000000",
    harvest: "000001111100"
  }
]
```

January

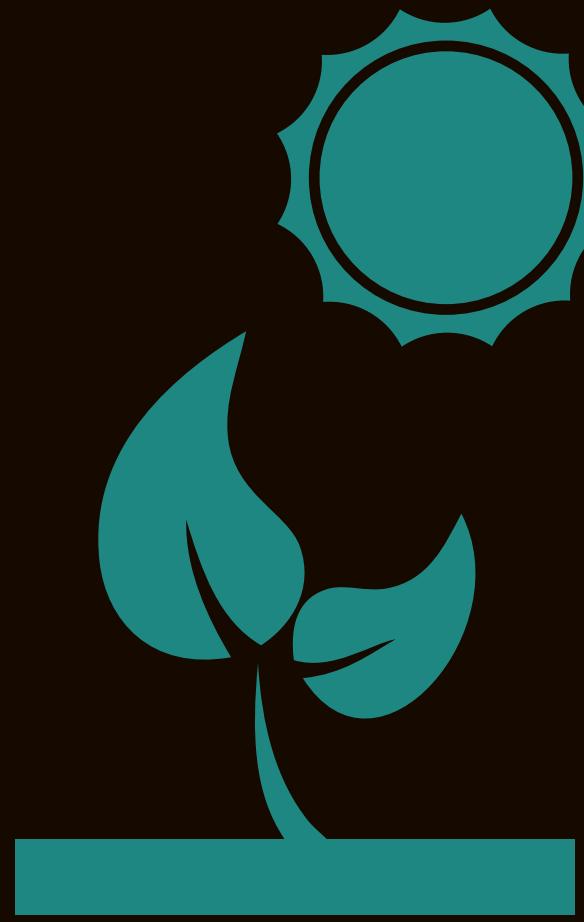


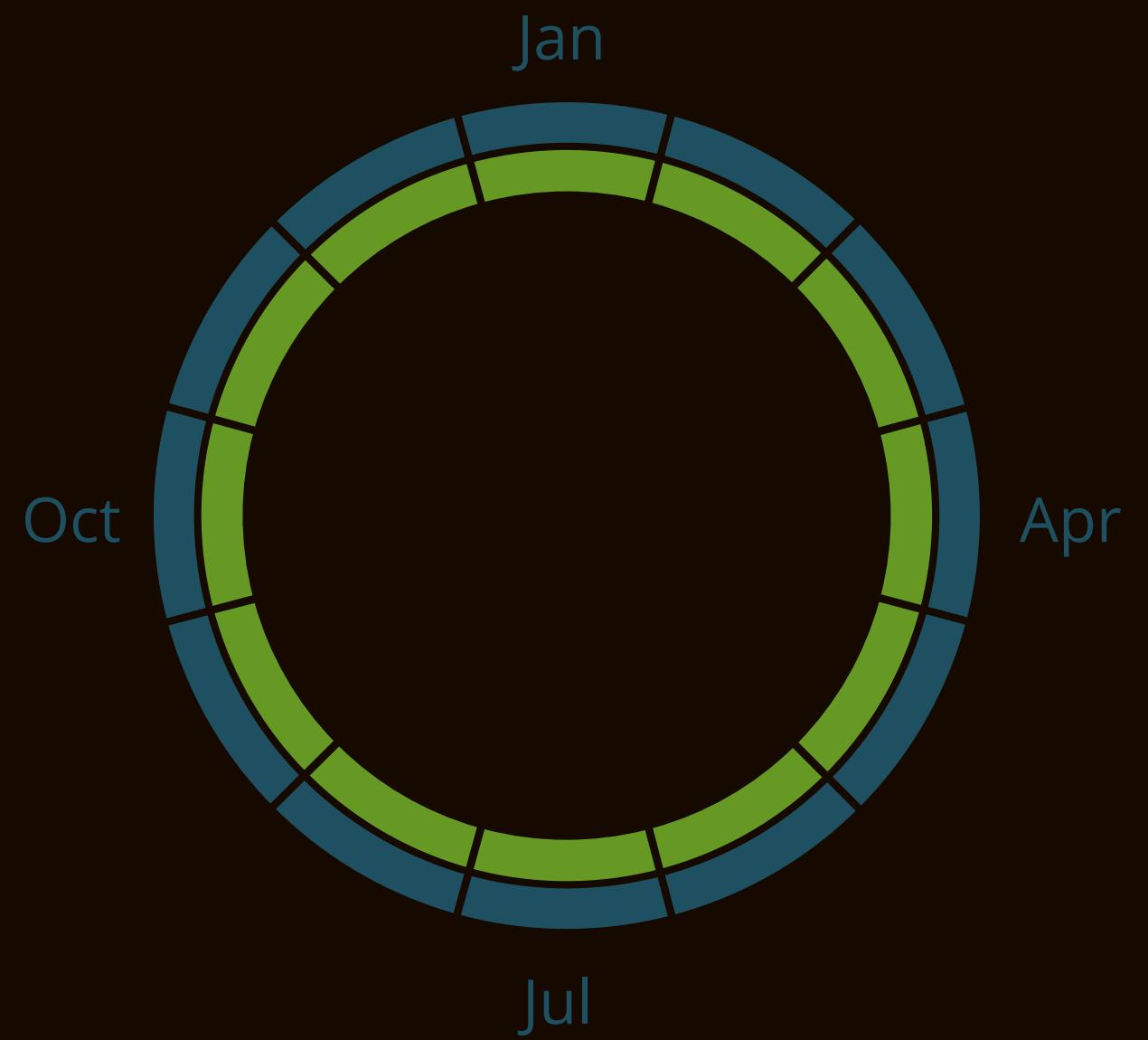
Me



Consumer





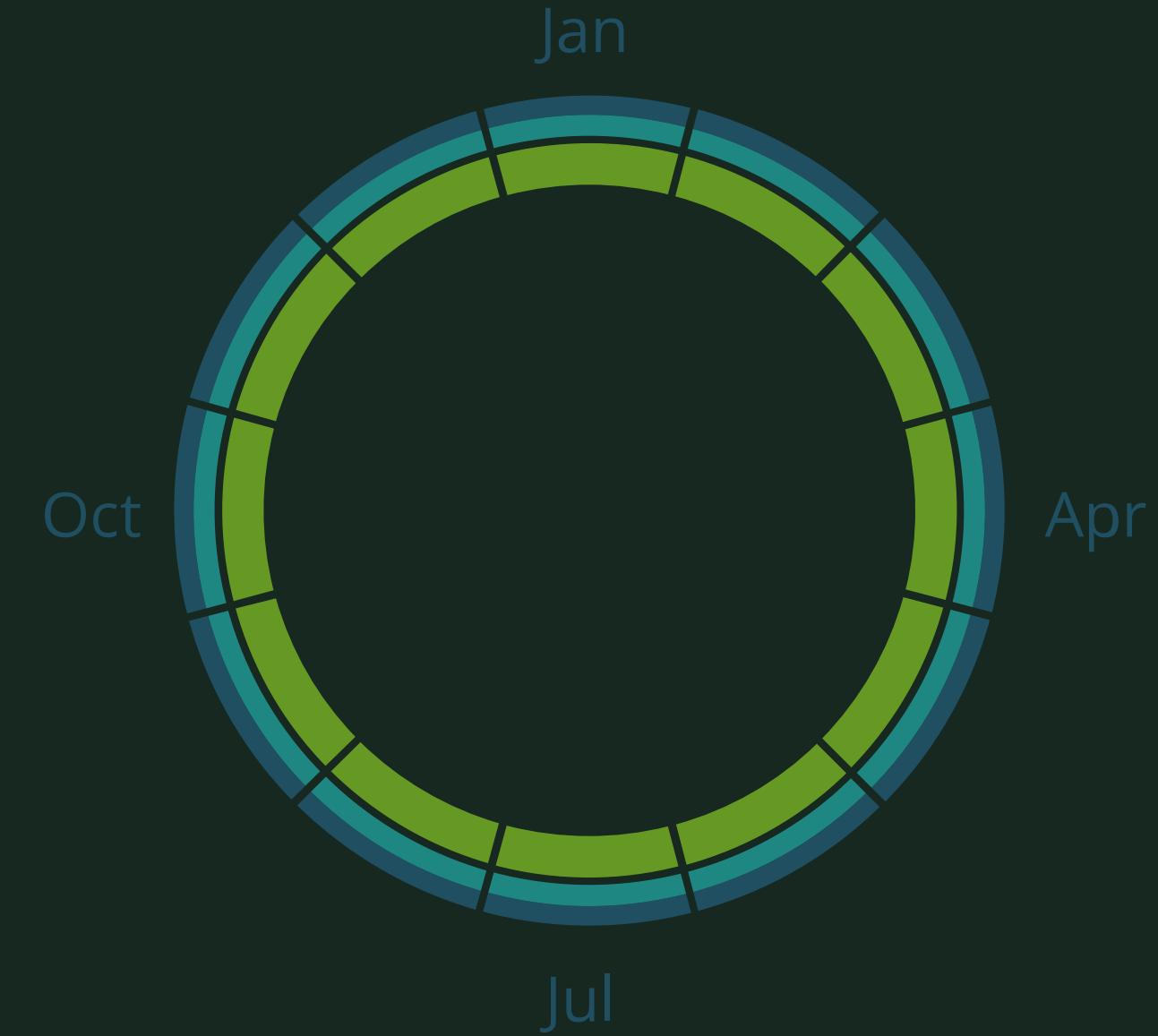


Apr

Jan

Oct

Jul



Apr

Jan

Oct

Jul

**Meanwhile, outside...**











**Back inside...  
time to write some JS.**

## FOLDERS

src

css

img

js

vendor

main.js

sass

index.html

main.js

```
22 var monthNames = ['January', 'February', 'March', 'April', 'May', 'June', 'July', 'August', 'September', 'October', 'November'];
23 var taskFilter = ['inside', 'outside', 'harvest'];
24 var vegData = [
25   {
26     name: "Asparagus",
27     inside: "011100000000",
28     outside: "000010000000",
29     harvest: "000011000000"
30   },
31   {
32     name: "Aubergine",
33     inside: "011100000000",
34     outside: "000011000000",
35     harvest: "000000111100"
36   },
37   {
38     name: "Beetroot",
39     inside: "000000000000",
40     outside: "001111000000",
41     harvest: "000001111100"
42   },
43   {
44     name: "Broccoli",
45     inside: "011100000000",
46     outside: "000111000000",
47     harvest: "000000011000"
48   },
49   {
50     name: "Broad-Bean",
51     inside: "110000000001",
52     outside: "001110000000",
53     harvest: "000011110000"
54   },
55   {
56     name: "Cabbage",
57     inside: "000000000000",
58     outside: "000001100000",
59     harvest: "110000000011"
60   },
61   {
62     name: "Carrot",
63     inside: "000000000000",
64     outside: "001111110000"
```



Asparagus



Aubergine



Beetroot



Broccoli



Broad Bean



Cabbage



Carrot



Cauliflower



Courgette



Chilli



French Bean



Garlic



Leek



Lettuce



Onion



Pepper



Parsnip



Potato

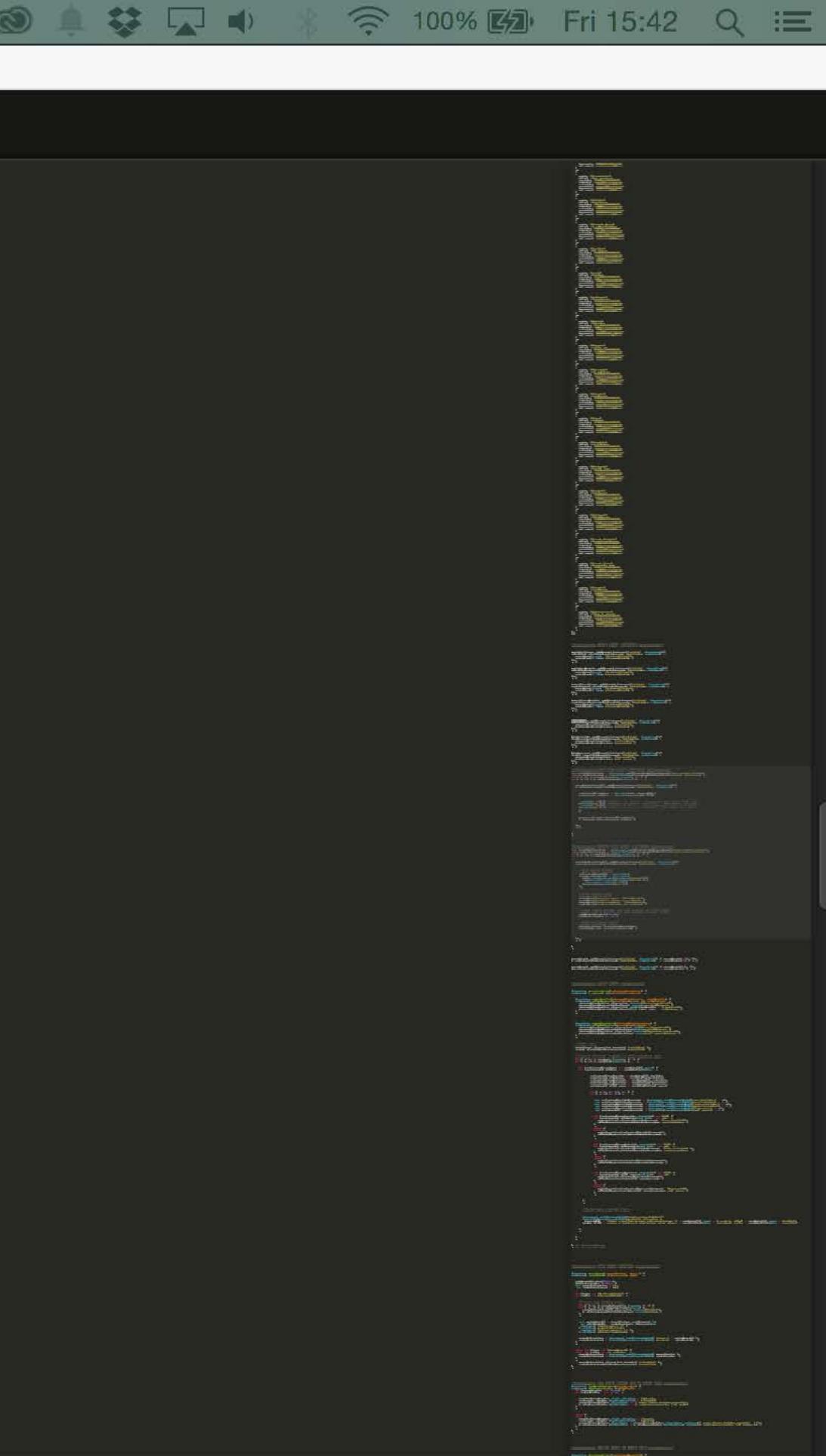


## FOLDERS

```
221 //***** CROP ITEM EVENT LISTENERS *****/
222 var cropSelection = document.getElementsByClassName('menu-crops-item');
223 for( i=0; i<cropSelection.length; i++) {
224
225     cropSelection[i].addEventListener('click', function(){
226
227         selectedCropName = String(this.innerHTML)
228
229         .split('_')[1] //splits at first _ character and takes 2nd half
230         .split('.')[0]//splits at first . character and takes 1st half
231         ;
232
233         processCrop(selectedCropName);
234
235     });
236
237 }
238
239
240 //***** MONTHS ITEM EVENT LISTENERS *****/
241 var monthSelection = document.getElementsByClassName('menu-months-item');
242 for( i=0; i<monthSelection.length; i++) {
243
244     monthSelection[i].addEventListener('click', function(){
245
246         //GET MONTH NUMBER
247         selectedMonthId = parseInt(
248             this.getElementsByTagName('img')[0]
249             .className.split('-')[1]
250         );
251
252         //OPEN MONTH FORM
253         menuOpen('menu-crops', 'fromMenu');
254         menuOpen('menu-months', 'fromMenu');
255
256         //SHOW MONTH HEADER AND ADD MARGIN TO LIST ITEMS
257         addMonthHeader(true);
258
259         //SHOW RELAVANT CROPS
260         displayCrops (selectedMonthId);
261
262     });
263 }
```



n.js – src



htnTnsid

**Find**

Find Prev

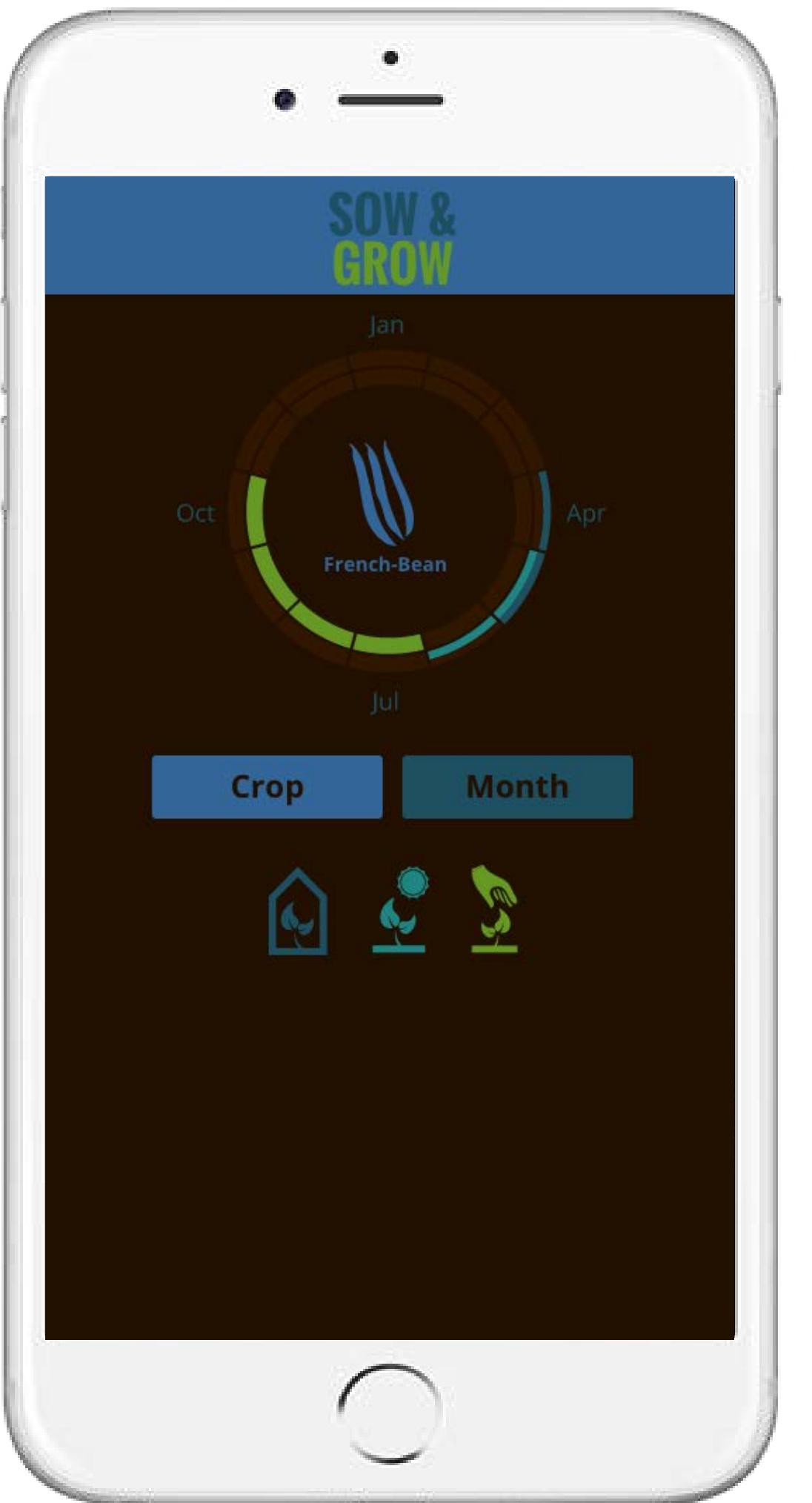
**Find All**

main.js

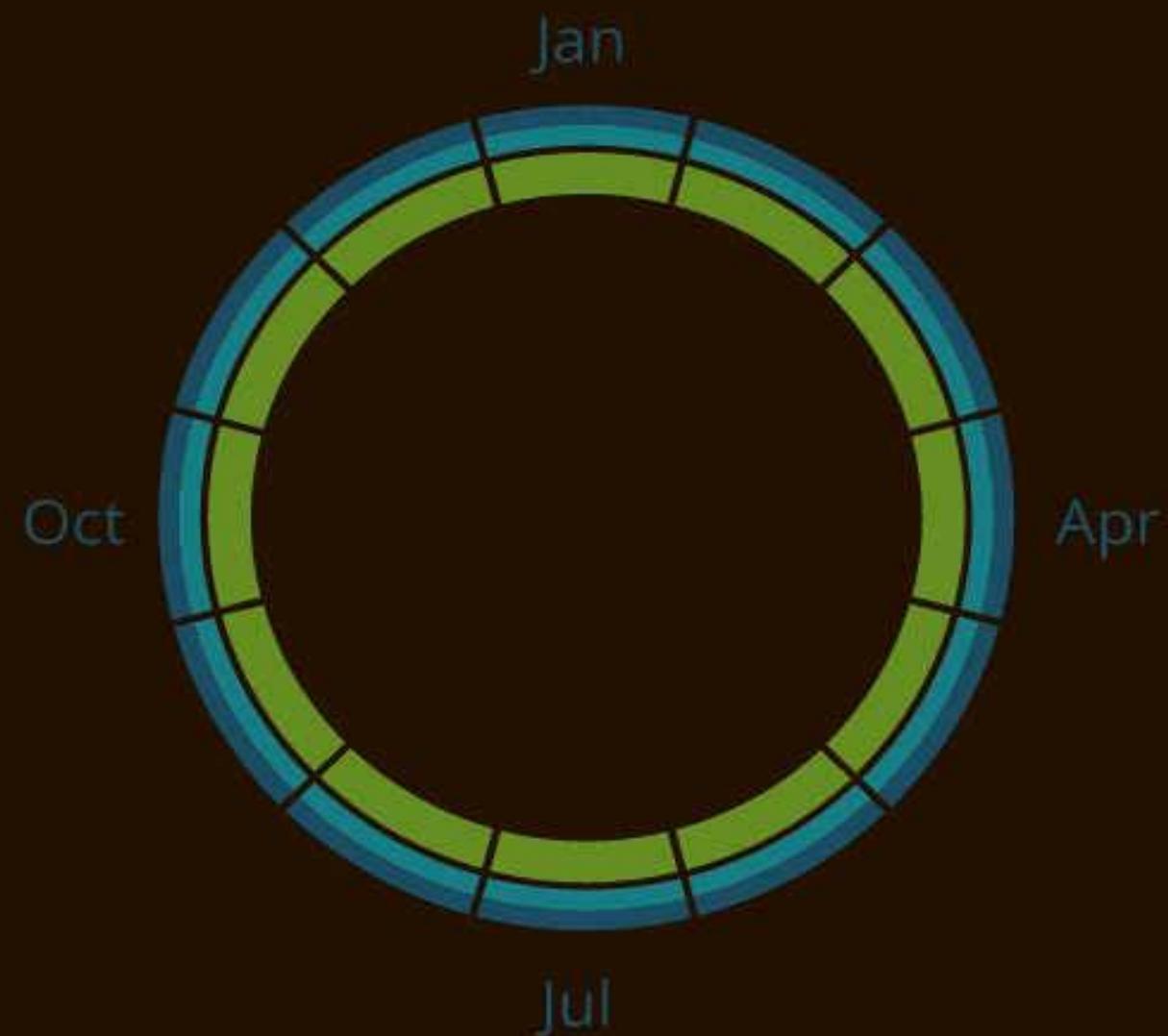
```
291 //search through vegData to find matching name
292 for( i=0; i<vegData.length; i++) {
293     if (selectedCropName == vegData[i].name) {
294
295         selectedCropInside = vegData[i].inside;
296         selectedCropOutside = vegData[i].outside;
297         selectedCropHarvest = vegData[i].harvest;
298
299         for( x=0; x< 12; x++) {
300
301             var selectedInsideSegment = document.getElementById('sow-inside-' + x);
302             var selectedOutsideSegment = document.getElementById('sow-outside-' + x);
303             var selectedHarvestSegment = document.getElementById('harvest-' + x);
304
305             if (selectedCropInside.charAt(x) == "1") {
306                 makeActive(selectedInsideSegment, "sow-inside");
307             }
308             else {
309                 makeInactive(selectedInsideSegment);
310             }
311
312             if (selectedCropOutside.charAt(x) == "1") {
313                 makeActive(selectedOutsideSegment, "sow-outside" );
314             }
315             else {
316                 makeInactive(selectedOutsideSegment);
317             }
318
319             if (selectedCropHarvest.charAt(x) == "1") {
320                 makeActive(selectedHarvestSegment);
321             }
322             else {
323                 makeInactive(selectedHarvestSegment, "harvest");
324             }
325
326         }
327     }
328 }
329
330 //load main central image
331
332 document.getElementById('main-crop-holder')
```

name: "Chilli",  
inside: "011100000000"  
outside: "000000000000"  
harvest: "000000011100"  
,  
{  
name: "French-Bean",  
inside: "000110000000",  
outside: "000011000000",  
harvest: "000000111100"  
,  
{  
name: "Garlic",  
inside: "000000000000"  
outside: "111100000000"  
harvest: "000001100000"  
}.

Find Find Prev Find All



# SOW & GROW



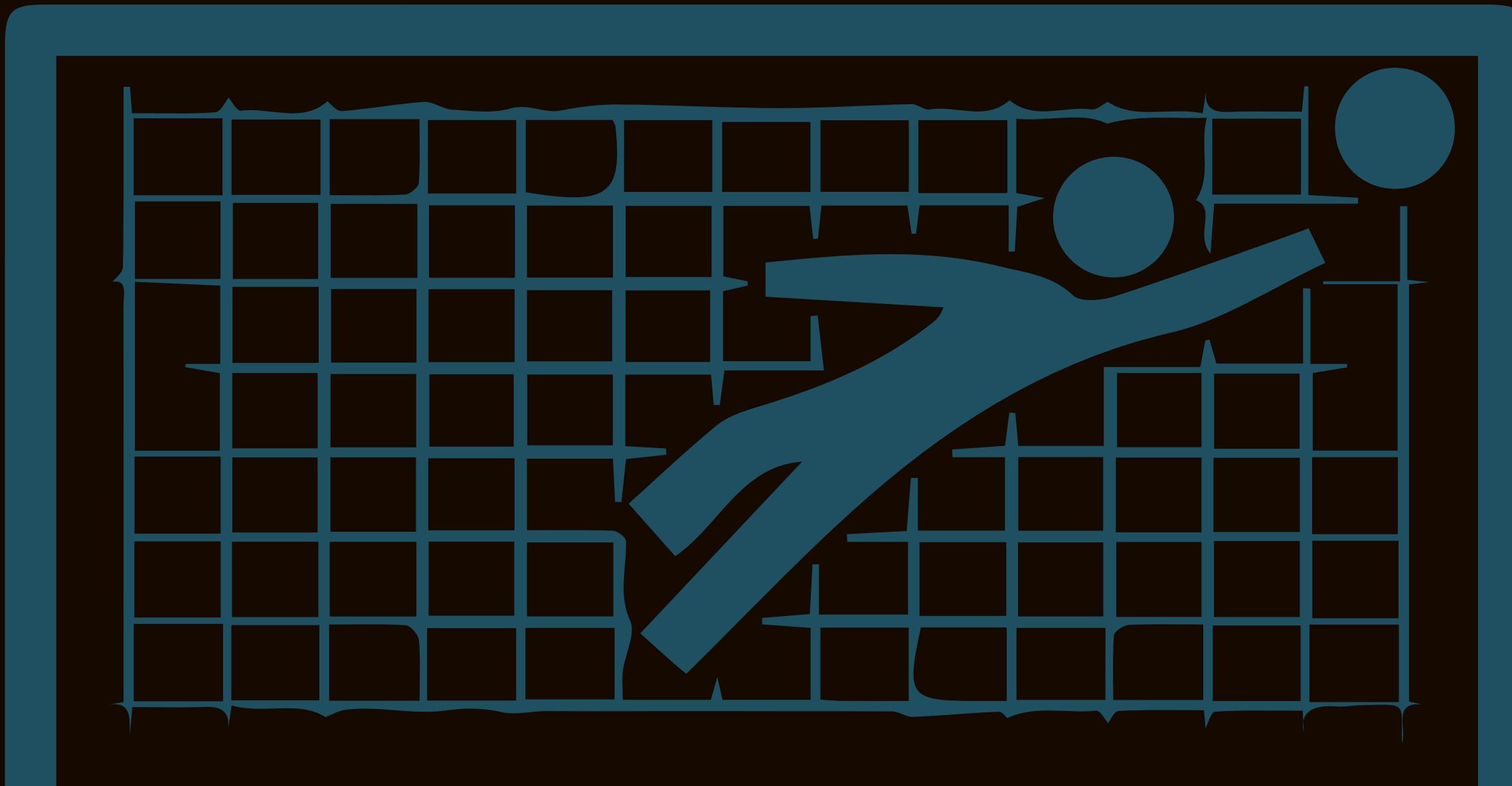
Crop

Month



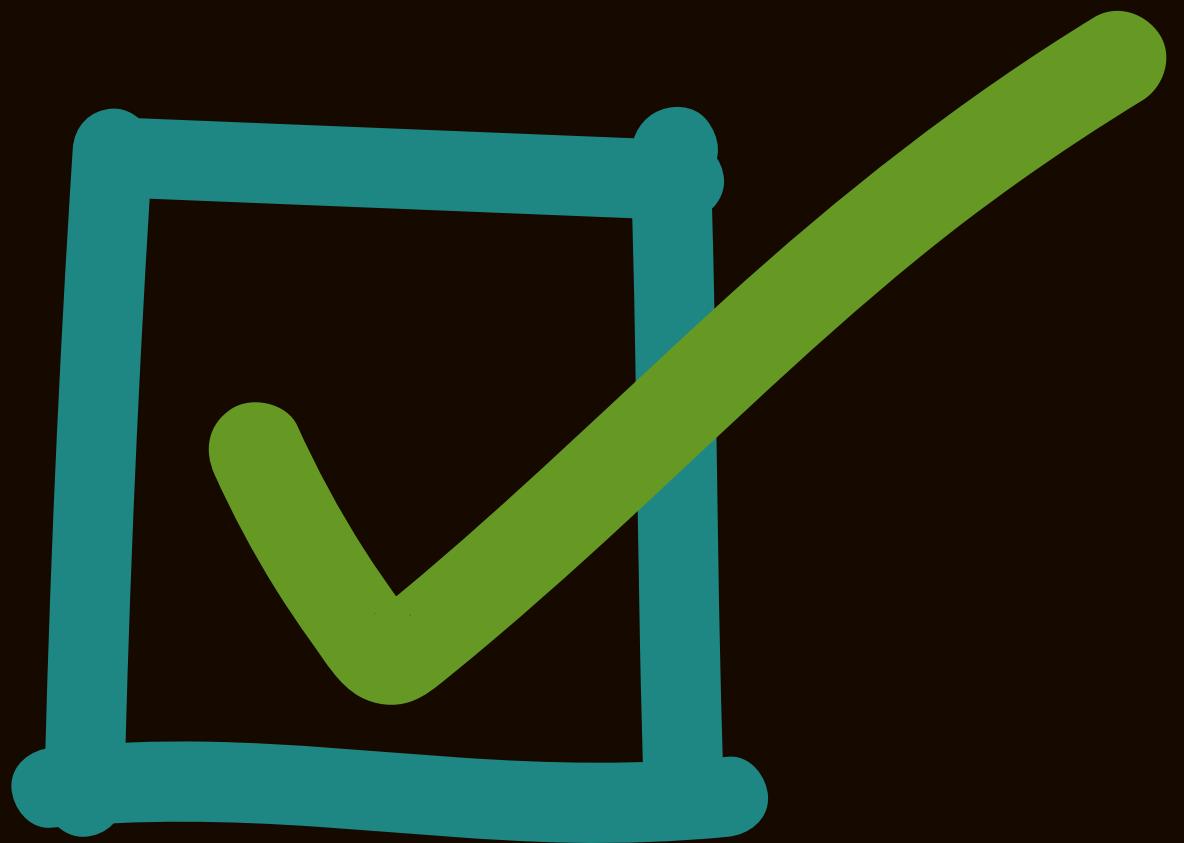
# Interactive Key  
# Fade in central images  
# JS loaded crop svgs

# Notes feature (*Rhubarb*)  
# Global data



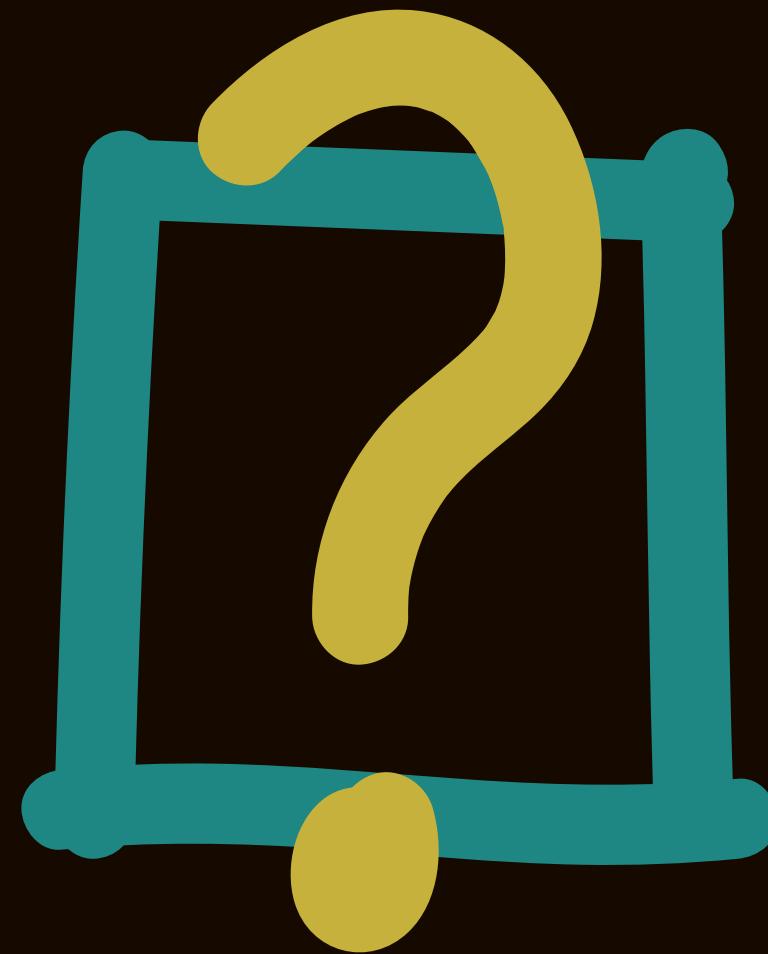
**Code better?**

# Code better



**Eat better?**

**Eat better**





**Eat better**

*> Eat cheaper*

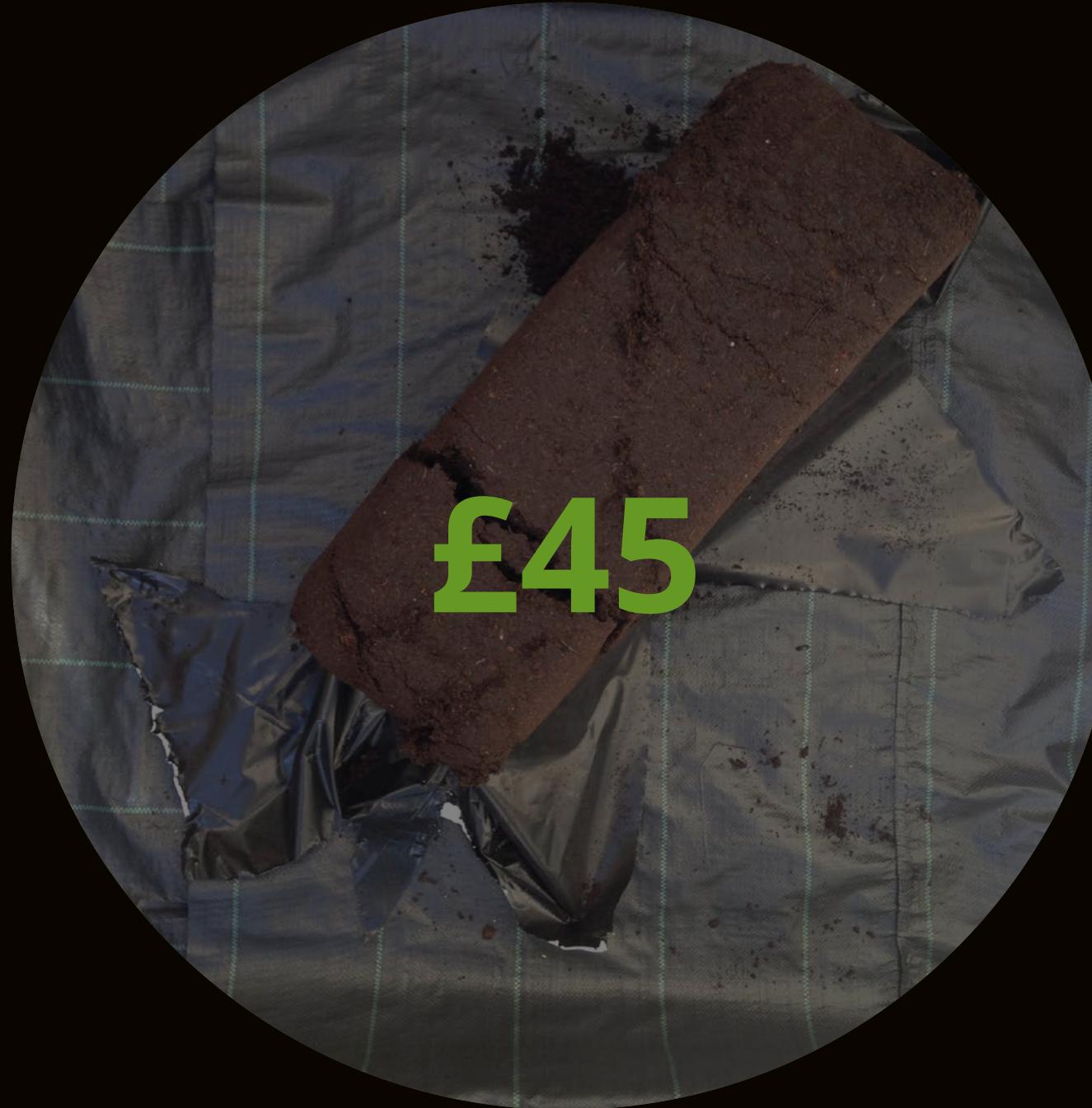
**Eat better**

*> Eat cheaper*





**£20**



**£45**



**£8**







Thank you