



FRESH GEAR CUSTOM-MADE
FOR THE DALLAS PATRIOTS

HOW SVGS POWER WILSON SPORTING GOODS PRODUCT CONFIGURATOR

PRESENTED BY ANDREW OLSON

June 28th, 2018

ANDREW OLSON

- Front End Developer from the Chicago Suburbs
- Working with Drupal since 2008
- Been on the Wilson Sporting Goods project since 2015
- Fun Fact About Me:
 - Musician + played in a band at Lollapalooza



Andrew Olson
Lead Front End Developer
@ HS2 Solutions

HS2 SOLUTIONS

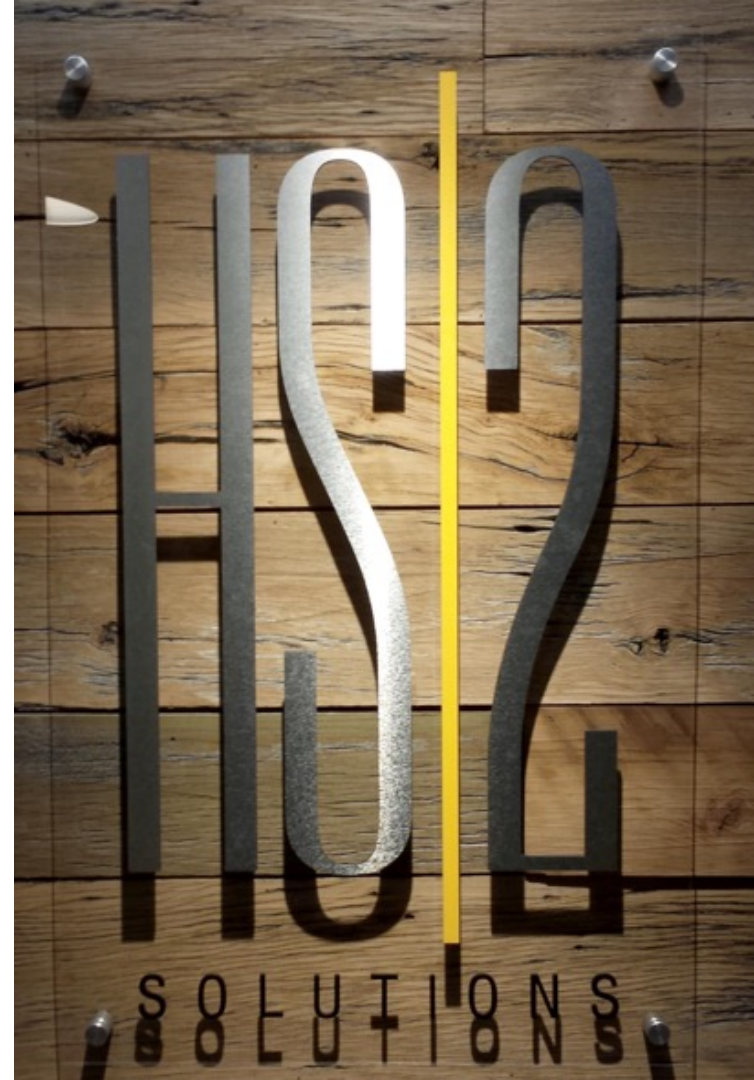
Wilson.



AVIS®



P&G



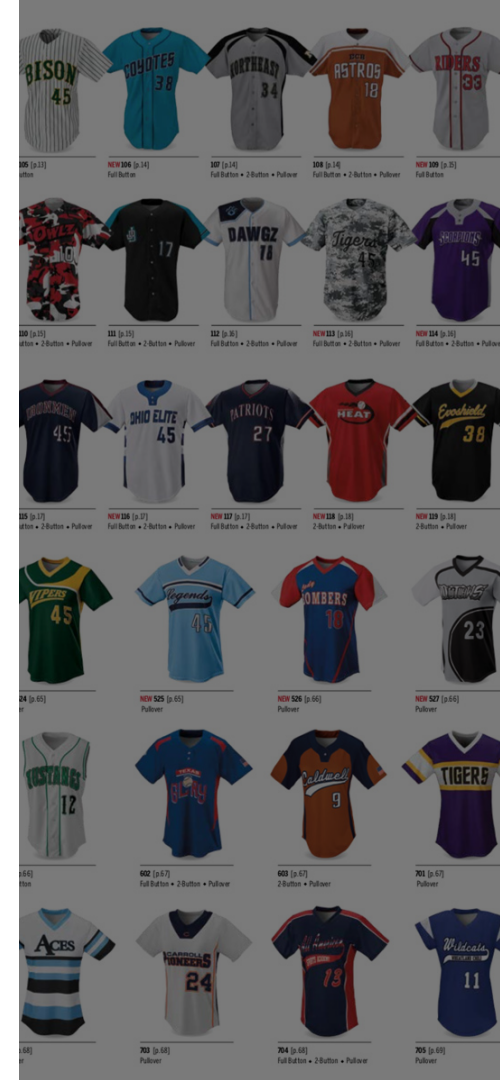
AGENDA

1. Project Goals
2. Our Approach
3. Challenges
4. Q&A

PROJECT GOALS

OUR PRODUCT CONFIGURATOR HAD TO

- Be “Photo Realistic.”
- Demonstrate multiple colors & styles.
- Allow Users to add custom text & upload logos.
- Manage
 - Different product types.
 - Multiple product views.
 - Future products & sports.



PROJECT GOALS

Jerseys	Total
62 Baseball + 52 Fastpitch Styles	114
3 Color Insert Styles per Jersey (on average)	3
33 Total Color Options	33
TOTAL JERSEY COMBINATIONS	3,731,904

Formula:
$${}_nP_k = \frac{n!}{(n-k)!} = n(n-1)(n-2)\cdots(n-k+1)$$

Source: mathwords.com

M123-1 MENS FULL BUTTON JERSEY

\$100.00 | SHIPS IN 4-5 WEEKS

Customize the style, colors, text and logos.

BRAND

Wilson

FABRIC

Wilflexx


COLORS

TEXT & LOGOS

Change the colors below, or click "Randomize" to see different color combinations.

RANDOMIZE

BODY



VICTORY BLUE

NECK INSERT



ROYAL BLUE

SLEEVE



SCARLET

BRAND COLOR



ROYAL BLUE



PROJECT GOALS

But Wait, There's More ...

- 3 styles of pants.
- 2 styles of batting gloves.
- Helmets (with and without masks).
- Protective gear straps.
- Plus, any product made in the future.



PROJECT GOALS

Would vector artwork suffice?



OUR APPROACH

Using photography, vector art, and JavaScript, we can create a “*Photo Real*” product configurator.

Photography

DETERMINE BASE IMAGES

COORDINATE PHOTO SHOOT

PROVIDE ART DIRECTION

OUR APPROACH: PHOTOGRAPHY

Base Images

- 41 total base images
- Non-color (white) products
- Consistent sizes



OUR APPROACH: PHOTOGRAPHY

Snap36

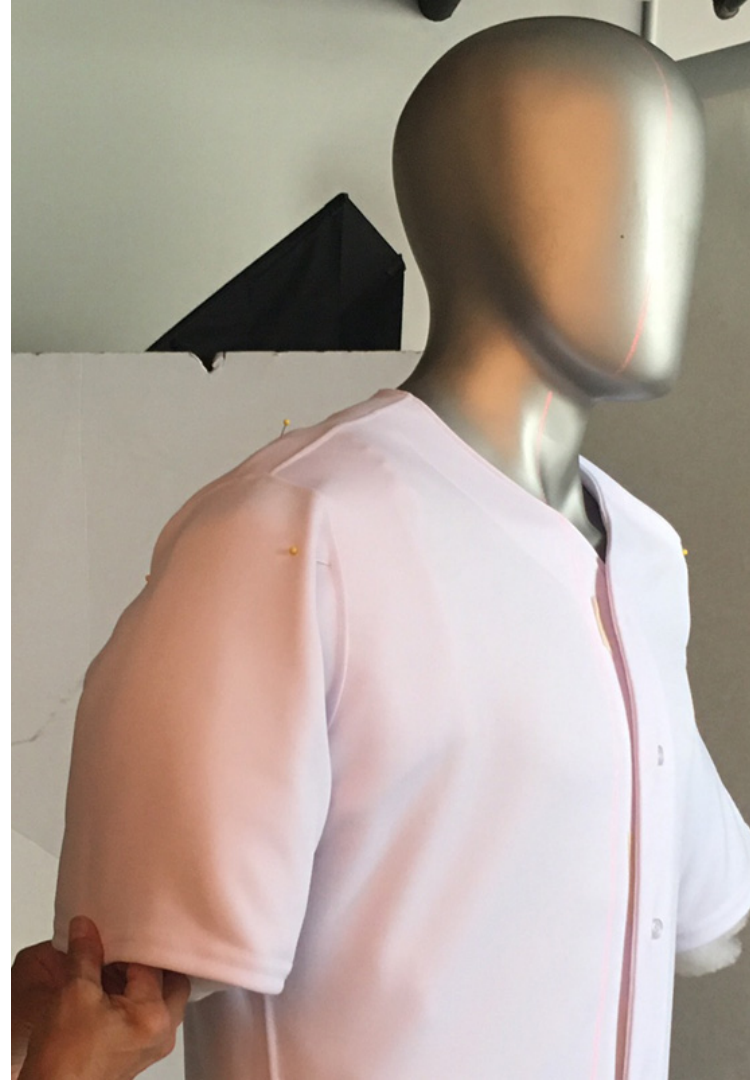
- Provide 360 degree spin of products
- Consistent placement, sizing, and angles
- Post production of images



OUR APPROACH: PHOTOGRAPHY

Art Direction

- Lighting to reduce shadows.
- Iron garments to reduce wrinkles.
- Pin garment to create flat areas for logo placement.



Vector Art

FREE DRAWING ON TOP OF PHOTOGRAPHY

EXPORTING SVGS

MULTIPLY FILTER

SVG CAKE

OUR APPROACH: VECTOR ART



OUR APPROACH: VECTOR ART



OUR APPROACH: VECTOR ART



OUR APPROACH: VECTOR ART



OUR APPROACH: VECTOR ART



OUR APPROACH: VECTOR ART

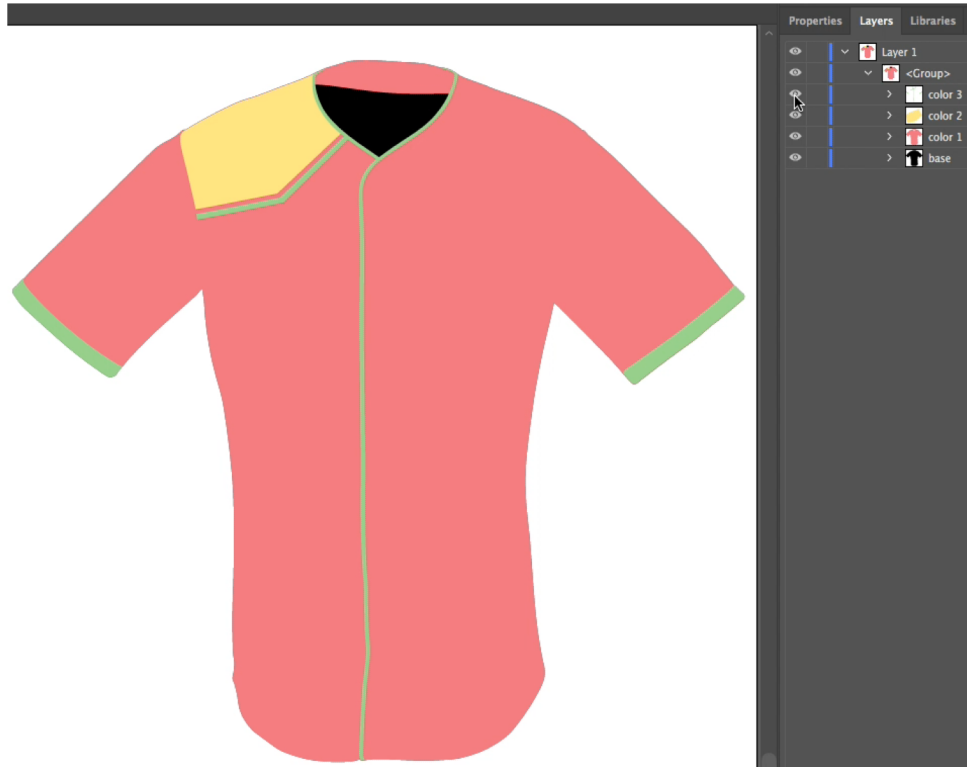
SVG in Adobe Illustrator



SVG in Code Editor

[illegible]

OUR APPROACH: VECTOR ART



OUR APPROACH: VECTOR ART

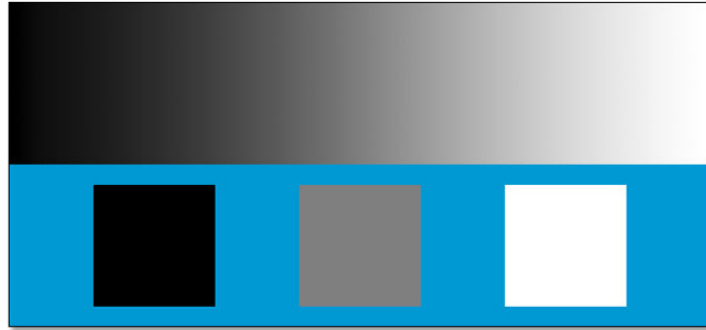
```
11111_BB_112-1_jersey_front.svg
1 <?xml version="1.0" encoding="utf-8"?>
2 <!-- Generator: Adobe Illustrator 18.1.1, SVG Export Plug-In . SVG Version: 6.00 Build 0) -->
3 <svg version="1.1" id="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" x="0px" y="0px"
4   viewBox="0 0 3000 3000" enable-background="new 0 0 3000 3000" xml:space="preserve">
5   <defs>
6     <filter id="multiply-BB_full-button_jersey-front">
7       <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/wilsonteamshop.com/files/media/BB_full-button_jersey_front.jpg"
8         result="image" x="0" y="0" width="100%" height="100%"></feImage>
9       <feBlend in2="SourceGraphic" in="image" mode="multiply"></feBlend>
10     </filter>
11   </defs>
12   <g filter="url(#multiply-BB_full-button_jersey-front)">
13     <g id="base" enable-background="new">
14       <path fill="#000000" d="M2943.3,1063.3c0,0-9.6-8.3-15.4-13.8c-11.7-13.8-22.9-22.1-25-23.8c-0.4-0.4-7.1-10-16.3-21.3
43     </g>
44     <g id="color_1" enable-background="new">
45       <path fill="#f37e80" d="M2943.3,1063.3c0,0-9.6-8.3-15.4-13.8c-11.7-13.8-22.9-22.1-25-23.8c-0.4-0.4-7.1-10-16.3-21.3
78     </g>
79     <g id="color_2" enable-background="new">
80       <path fill="#fee581" d="M1345.8,425c-5.4-4.6-16.3-13.8-28.3-26.3c-35.4-36.7-85.4-103.8-78.3-185.4c0-2.1-1.3-4.6-0.4-9.6
85     </g>
86     <g id="color_3" enable-background="new">
87       <path fill="#99cf8b" d="M362.1,1271.7c-34.6-25.4-76.2-59.2-111.2-89.6c-55.8-48.8-120.8-114.2-147.1-151.7
116     </g>
117   </g>
118 </svg>
119
```

OUR APPROACH: VECTOR ART

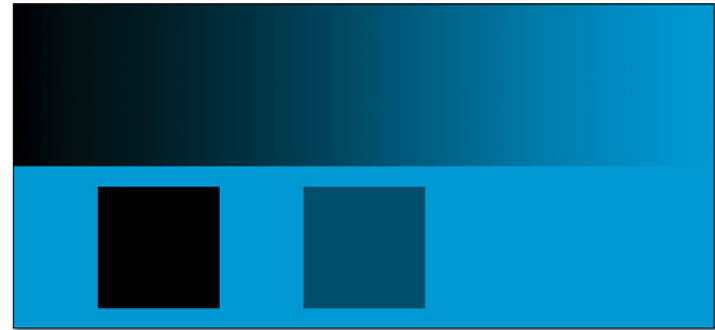
```
11111_BB_112-1_jersey_front.svg
1 <?xml version="1.0" encoding="utf-8"?>
2 <!-- Generator: Adobe Illustrator 18.1.1, SVG Export Plug-In . SVG Version: 6.00 Build 0) -->
3 <svg version="1.1" id="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" x="0px" y="0px"
4   viewBox="0 0 3000 3000" enable-background="new 0 0 3000 3000" xml:space="preserve">
5   <defs>
6     <filter id="multiply-BB_full-button_jersey_front">
7       <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="http://www.hs2solutions.com/files/media/BB_full-button_jersey_front.jpg"
8         result="image" x="0" y="0" width="100%" height="100%"></feImage>
9       <feBlend in2="SourceGraphic" in="image" mode="multiply"></feBlend>
10    </filter>
11  </defs>
12  <g filter="url(#multiply-BB_full-button_jersey_front)">
13    <g id="base" enable-background="new 0 0 3000 3000">
14      <path fill="#000000" d="M2943.3,1063.3c0,0-9.6-8.3-15.4-13.8c-11.7-13.8-22.9-22.1-25-23.8c-0.4-0.4-7.1-10-16.3-21.3
43    </g>
44    <g id="color_1" enable-background="new 0 0 3000 3000">
45      <path fill="#f37e80" d="M2943.3,1063.3c0,0-9.6-8.3-15.4-13.8c-11.7-13.8-22.9-22.1-25-23.8c-0.4-0.4-7.1-10-16.3-21.3
78    </g>
79    <g id="color_2" enable-background="new 0 0 3000 3000">
80      <path fill="#fee581" d="M1345.8,400c-5.4-6.6-10.6-13.8-20.3c-25.4-36.7-85.4-101.1-78.3-185.4c0-2.1-1.3-4.6-0.4-9.6
85    </g>
86    <g id="color_3" enable-background="new 0 0 3000 3000">
87      <path fill="#99cf8b" d="M362.1,1271.7c-34.6-25.4-76.2-59.2-111.2-89.6c-55.8-48.8-120.8-114.2-147.1-151.7
116    </g>
117  </g>
118 </svg>
119
```

OUR APPROACH: VECTOR ART

Without Multiply Filter



Multiply Filter



Images from photoshopessentials.com

OUR APPROACH: VECTOR ART

Without Multiply Filter



Multiply Filter



OUR APPROACH: VECTOR ART

```
1111_BB_112-1_jersey_front.svg
1 <?xml version="1.0" encoding="utf-8"?>
2 <!-- Generator: Adobe Illustrator 18.1.1, SVG Export Plug-In . SVG Version: 6.00 Build 0) -->
3 <svg version="1.1" id="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" x="0px" y="0px"
4   viewBox="0 0 3000 3000" enable-background="new 0 0 3000 3000" xml:space="preserve">
5   <defs>
6     <filter id="multiply-BB_full-button_jersey-front">
7       <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/wilsonsteams.com/files/media/BB_full-button_jersey_front.jpg"
8         result="image" x="0" y="0" width="100%" height="100%"></feImage>
9       <feBlend in2="SourceGraphic" in="image" mode="multiply"></feBlend>
10    </filter>
11  </defs>
12  <g filter="url(#multiply-BB_full-button_jersey-front)">
13    <g id="base" enable-background="new  " >
14      <path fill="#000000" d="M2943.3,1063.3c0,0-9.6-8.3-15.4-13.8c-11.7-13.8-22.9-22.1-25-23.8c-0.4-0.4-7.1-10-16.3-21.3
43    </g>
44    <g id="color_1" enable-background="new  " >
45      <path fill="#f37e80" d="M2943.3,1063.3c0,0-9.6-8.3-15.4-13.8c-11.7-13.8-22.9-22.1-25-23.8c-0.4-0.4-7.1-10-16.3-21.3
78    </g>
79    <g id="color_2" enable-background="new  " >
80      <path fill="#fee581" d="M1345.8,425c-5.4-4.6-16.3-13.8-28.3-26.3c-35.4-36.7-85.4-103.8-77.1-185.4c0,0-1-1.3-4.6-0.4-9.6
85    </g>
86    <g id="color_3" enable-background="new  " >
87      <path fill="#99cf8b" d="M362.1,1271.7c-34.6-25.4-76.2-59.2-111.2-89.6c-55.8-48.8-120.8-114.2-147.1-151.7
116    </g>
117  </g>
118 </svg>
119
```

OUR APPROACH: VECTOR ART

SVG Cake

- Top Layer: Transparent PNG
- Middle Layer: SVG Artwork
- Bottom Layer: Non-colored Product Image



JavaScript

UPDATE PATH FILL COLORS

INSERT TEXT, NUMBERS, & LOGOS

MOVE BUTTONS

OUR APPROACH: JAVASCRIPT

Customizer Lite

Color 1



Color 2



Color 3



```
</div>
<div class="container-jersey">
  <!--?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="Layer_1" xmlns="http://
  www.w3.org/2000/svg" xmlns:xlink="http://
  www.w3.org/1999/xlink" x="0px" y="0px"
  viewBox="0 0 3000 3000" enable-background="new
  0 0 3000 3000" xml:space="preserve">
    <defs>...</defs>
    <g filter="url(#multiply-BB_2-
    button_jersey-front)">
      <g id="base" enable-background="new  ">
        ...</g>
      <g id="color_1" enable-background="new
      ">...</g>
      <g id="color_2" enable-background="new
      ">...</g>
      <g id="color_3" enable-background="new
      ">...</g>
    </g>
  </svg>
</div>
::after
</div>
<!-- #main -->
</div>
<!-- #main-container -->
<div class="footer-container">...</div>
<script src="//ajax.googleapis.com/ajax/libs/
jquery/1.11.2/jquery.min.js"></script>
<script type="text/javascript">...</script>
</body>
</html>
```

OUR APPROACH: JAVASCRIPT

Customizer Lite

Color 1



Color 2



Color 3





<svg ...
<g id="base" ...
<g id="color_1" ...

```
</div>
<div class="container-jersey">
  <!--?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="Layer_1" xmlns="http://
  www.w3.org/2000/svg" xmlns:xlink="http://
  www.w3.org/1999/xlink" x="0px" y="0px"
  viewBox="0 0 3000 3000" enable-background="new
  0 0 3000 3000" xml:space="preserve">
    <defs>...</defs>
    <g filter="url(#multiply-BB_2-
    button_jersey-front)">
      <g id="base" enable-background="new
      ...>
        <g id="color_1" enable-background="new
        ...>
        <g id="color_2" enable-background="new
        ...>
        <g id="color_3" enable-background="new
        ...>
      </g>
    </g>
  </div>
  ::after
  </div>
  <#main-container -->
  <div class="container">...</div>
  <script type="text/javascript">...</script>
</body>
</html>
```

OUR APPROACH: JAVASCRIPT

Customizer Lite

Color 1 `<ul class="color-picker-1" ...`

Color 2

Color 3



```
...<body> == $0
  ><div class="header-container">...</div>
  ><div class="main-container">
    ><div class="main-container">
      <h1>Customizer Lite</h1>
      ><div class="container-controls">
        ><div class="color-container">
          <h3>Color 1</h3>
          ><ul class="color-picker color-picker-1">...
        </ul>
      </div>
      ><div class="color-container">
        <h3>Color 2</h3>
        ><ul class="color-picker color-picker-2">...
      </ul>
    </div>
    ><div class="color-container">
      <h3>Color 3</h3>
      ><ul class="color-picker color-picker-3">...
    </ul>
  </div>
  ><div class="container-jersey">...</div>
  ::after
</div>
<!-- #main -->
</div>
<!-- #main-container -->
><div class="footer-container">...</div>
<script src="//ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>
><script type="text/javascript">...</script>
</body>
</html>
```

OUR APPROACH: JAVASCRIPT



OUR APPROACH: JAVASCRIPT

```
<script type="text/javascript">
jQuery(document).ready(function() {
  (function($) {
    $('.color-picker-1 .color-swatch').click(function() {
      var my_color_value;
      $my_color_value = $(this).attr("data-hex-color");
      $('.container-jersey #color_1 path').css("fill", $my_color_value);
      return false;
    });
  })(jQuery);
});
</script>
```

OUR APPROACH: JAVASCRIPT

```
<script type="text/javascript">
jQuery(document).ready(function() {
  (function($) {
    $('.color-picker-1 .color-swatch').click(function() {
      var my_color_value;
      $my_color_value = $(this).attr("data-hex-color");
      $('.container-jersey #color_1 path').css("fill", $my_color_value);
      return false;
    });
  })(jQuery);
  $('.color-picker-1').click ...
</script>
```

OUR APPROACH: JAVASCRIPT

```
<script type="text/javascript">
jQuery(document).ready(function() {
  (function($) {
    $('.color-picker-1 .color-swatch').click(function() {
      var my_color_value;
      my_color_value = $(this).attr("data-hex-color");
      $('.container-jersey #color_1 path').css("fill", my_color_value);
      return false;
    });
  })(jQuery);
});
```

.. attr("data-hex-color") ..

```
</script>
```

OUR APPROACH: JAVASCRIPT

```
<script type="text/javascript">
jQuery(document).ready(function() {
  (function($) {
    $('.color-picker-1 .color-swatch').click(function() {
      var my_color_value;
      $my_color_value = $(this).attr("data-hex-color");
      $('.container-jersey #color_1 path').css("fill", $my_color_value);
      return false;
    });
  })(jQuery);
});
... .css("fill", ...
</script>
```

OUR APPROACH: JAVASCRIPT

Custom Text, Numbers, & Logos

- `<g>` Groups inserted on the fly.
- Rasterized artwork added to `<g>` Groups.
- Order in the SVG matters.



OUR APPROACH: JAVASCRIPT



```
<g filter="url(#multiply-BB_full-button_jersey-front)">
  <g id="base" enable-background="new" ">=
  </g>
  <g id="color_1" enable-background="new" ">=
  </g>
  <g id="color_2" enable-background="new" ">=
  </g>
  <g id="color_3" enable-background="new" ">=
  </g>
  <g class="front-text" style="display: none;" transform="translate(1512 1027) rotate(0) skewX(0)
    <image xlink:href="data:image/png;base64,iVBORw0KGgoAAAANSUHEuGAAABAAAFcYAAAAA8D+xLAAAgAE1
    /eaExIwKYpgf9L6VaupKJAzA3ihamutYBHviki1tHgrW" width="1040" height="350" x="-520" y="-175"></
  </g>
  <g class="front-number" transform="translate(1852 1502) rotate(0) skewX(0) skewY(0)">
    <image xlink:href="data:image/png;base64,iVBORw0KGgoAAAANSUHEuGAAAFQAAAGpCAYAAAB7xsSjAAAgAE1
    d//VvUDIdIyqIvWAVy2TbTpuhfKJCQqjsGMj0XiK0FnMj" width="500" height="425" x="-250" y="-212.5">
  </g>
  <g class="front-logo" transform="translate(1510 1030) rotate(0) skewX(0) skewY(0)">
    <image width="1040" height="360" x="-520" y="-180" data-nid="28881" xlink:href="data:image/p
    GgoAAAANSUHEuGAAABAAAFcYAAAAADuLajTAAAgAE1EQVR4Xux9h5/juLFmAaRC5xwmx53dmQ1er/189/ff3bt7yX62
    IgttTqnu6JhnawoChKLrVBavXVv18pCo9ggW"></image>
  </g>
  <g class="back-logo"></g>
  <g class="side-left-logo"></g>
  <g class="side-right-logo"></g>
  <g class="shoulder-logo" transform="translate(960 510) rotate(-5) skewX(0) skewY(0)">
    <image width="220" height="220" x="-110" y="-110" data-nid="28886" xlink:href="data:image/pn
    goAAAANSUHEuGAAANwAAADcYAAAAAbWs+BAAAgAE1EQVR4Xu1dBZRV1dff+94X00F3d4qgKCEGBjbiXxFbUcEgA+NTM
    JLY6hpue9d/
    a3fnf0Gx7Dx0sJ7lnrrYL37419zj5nnx2/zWQXmwI2BeJGAY5bS3ZDNqVgSpCpDnCPYisCkQrwrYDBdHyttn2RSwGc5eAz
  </g>
  <g class="brand-logo" transform="translate(2780 950) rotate(-40) skewX(0) skewY(0)">
    <image width="100" height="100" x="-50" y="-50" data-nid="" xlink:href="data:image/png;base6
    SUHEuGAAAGQAAABkCAYAAABw4pVUAAAGk0LEQVR4Xu2dv2/LRBDH23acgorQIXH4B7j7ByCprryBQI3FwBSWhoDtETkJC
    D7ByBIIERF8heQUCAeXTS0/fTyYsdr77x47zJp1LEsefNZ7+zs7M/
    jGCfRdyAWVljxoABYawRGBADkpkHMjPHFGJAMvNAZuaYQgxIZ0aYQA5KZBzIzxSSGZD/AeJz59aPR3aKAAAAAE1ftKs
  </g>
</g>
```


OUR APPROACH: JAVASCRIPT



OUR APPROACH: JAVASCRIPT



OUR APPROACH: JAVASCRIPT



OUR APPROACH: JAVASCRIPT



OUR APPROACH: JAVASCRIPT

Buttons

- Move depending on logo placement.
- Needed more visibility on darker colors.
- Use jQuery to toggle PNGs.



OUR APPROACH: JAVASCRIPT



```
<?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="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/2000/xlink"
viewBox="0 0 3000 3000" enable-background="new 0 0 3000 3000" xml:space="preserve">
  <defs>
    <filter id="multiply-BB_full-button_jersey-front">
      <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front.jpg" result="image" x="0" y="0" width="100%" height="100%">
      <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.jpg" result="image-mv" x="0" y="0" width="100%" height="100%">
      <feBlend in2="SourceGraphic" in="image" mode="multiply"></feBlend>
    </filter>
  </defs>
  <g filter="url(#multiply-BB_full-button_jersey-front)">
    <g id="base" enable-background="new 0 0 3000 3000">
      <g id="color_1" enable-background="new 0 0 3000 3000">
      <g id="color_2" enable-background="new 0 0 3000 3000">
      <g id="color_3" enable-background="new 0 0 3000 3000">
    </g>
    <g id="buttons">
      <image class="org-buttons" width="100%" height="100%" x="0" y="0" xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.png">
      <image class="alt-buttons" style="display:none;" width="100%" height="100%" x="0" y="0" xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.png">
    </g>
  </g>
</svg>
```

OUR APPROACH: JAVASCRIPT



```
<?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="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink"
viewBox="0 0 3000 3000" enable-background="new 0 0 3000 3000" xml:space="preserve">
  <defs>
    <filter id="multiply-BB_full-button_jersey-front">
      <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.png" result="image" x="0" y="0" width="100%" height="100%">
      <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.png" result="image-mv" x="0" y="0" width="100%" height="100%">
      <feBlend in2="SourceGraphic" in="image" mode="multiply"></feBlend>
    </filter>
  </defs>
  <g filter="url(#multiply-BB_full-button_jersey-front)">
    <g id="base" enable-background="new 0 0 3000 3000">
    </g>
    <g id="color_1" enable-background="new 0 0 3000 3000">
    </g>
    <g id="color_2" enable-background="new 0 0 3000 3000">
    </g>
    <g id="color_3" enable-background="new 0 0 3000 3000">
    </g>
    <g id="buttons">
      <image class="org-buttons" width="100%" height="100%" x="0" y="0" xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.png">
      <image class="alt-buttons" style="display:none;" width="100%" height="100%" x="0" y="0" xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.png"></image>
    </g>
  </g>
</svg>
```

<g id="buttons" ...

OUR APPROACH: JAVASCRIPT



```
<?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="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink"
viewBox="0 0 3000 3000" enable-background="new 0 0 3000 3000" xml:space="preserve">
  <defs>
    <filter id="multiply-BB_full-button_jersey-front">
      <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front.jpg" result="image" x="0" y="0" width="100%" height="100%">
      <feImage xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.jpg" result="image-mv" x="0" y="0" width="100%" height="100%">
      <feBlend in2="SourceGraphic" in="image" mode="multiply"></feBlend>
    </filter>
  </defs>
  <g filter="url(#multiply-BB_full-button_jersey-front)">
    <g id="base" enable-background="new 0 0 3000 3000">
      <g id="color_1" enable-background="new 0 0 3000 3000">
        <g id="color_2" enable-background="new 0 0 3000 3000">
          <g id="color_3" enable-background="new 0 0 3000 3000">
            <g id="buttons">
              <image class="org-buttons" width="100%" height="100%" x="0" y="0" xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.png">
              <image class="alt-buttons" style="display:none;" width="100%" height="100%" x="0" y="0" xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/sites/all/modules/custom/wilson_customizer/images/jerseys/BB_full-button_jersey_front_buttons_mv.png"></image>
            </g>
          </g>
        </g>
      </g>
    </g>
  </g>
</svg>
```

<g id="buttons" ...

OUR APPROACH

Our Process

1. Photoshoot
2. Vector Art Production
3. Visual QA / Feedback Loop
4. Technical QA / Feedback Loop
5. Implementation into Product Configurator
6. In-Browser QA / Feedback Loop



Challenges

BASE IMAGES

FEEDBACK + QA

PERFORMANCE

EXCEPTIONS TO THE RULE

CHALLENGES

Finalizing Base Images

Original
(Post Production)

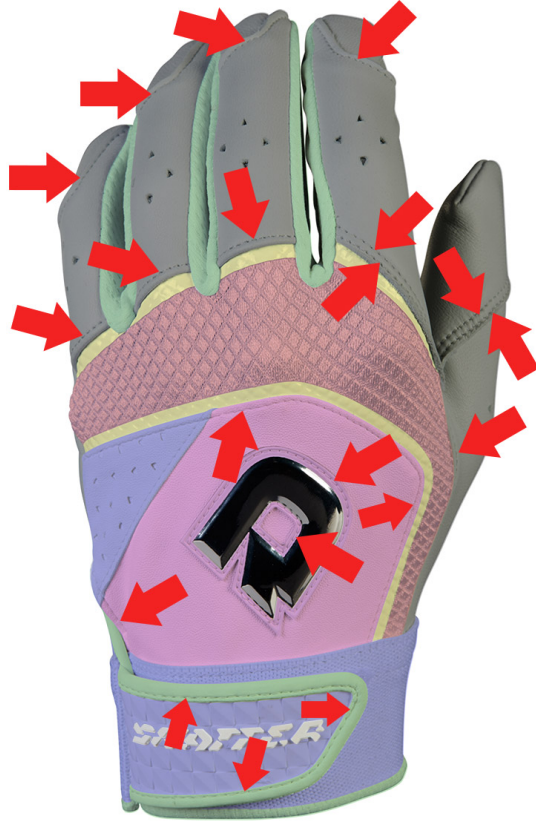


Final



CHALLENGES

Revisions to Vector Artwork



CHALLENGES

Performance

JERSEYS



112 JERSEY

SHIPS IN 4-5 WEEKS

Adult: \$100.00 Youth: \$90.00

 Customize the style, colors, text and logos.

FULL BUTTON

TWO BUTTON

PULLOVER



113 JERSEY

SHIPS IN 4-5 WEEKS

Adult: \$100.00 Youth: \$90.00

 Customize the style, colors, text and logos.

FULL BUTTON

TWO BUTTON


PULLOVER



114 JERSEY

SHIPS IN 4-5 WEEKS

Adult: \$100.00 Youth: \$90.00

 Customize the style, colors, text and logos.

FULL BUTTON

TWO BUTTON

PULLOVER



115 JERSEY

SHIPS IN 4-5 WEEKS

Adult: \$100.00 Youth: \$90.00

 Customize the style, colors, text and logos.

FULL BUTTON











TWO BUTTON

PULLOVER




CHALLENGES

Fonts

FONT CHOICE

			
Brush Script	Fancy Block	Full Block	Jays
			
New England	Plain Block	San Diego	Script
			
Tiepolo	Vegas		

NAME ARRANGEMENT

			
Straight	Vertical Arch	Bridge Arch	Slanted



CHALLENGES

Batting Glove Shatter Pattern

Original



Shatter Pattern



Pattern #1



Pattern #2

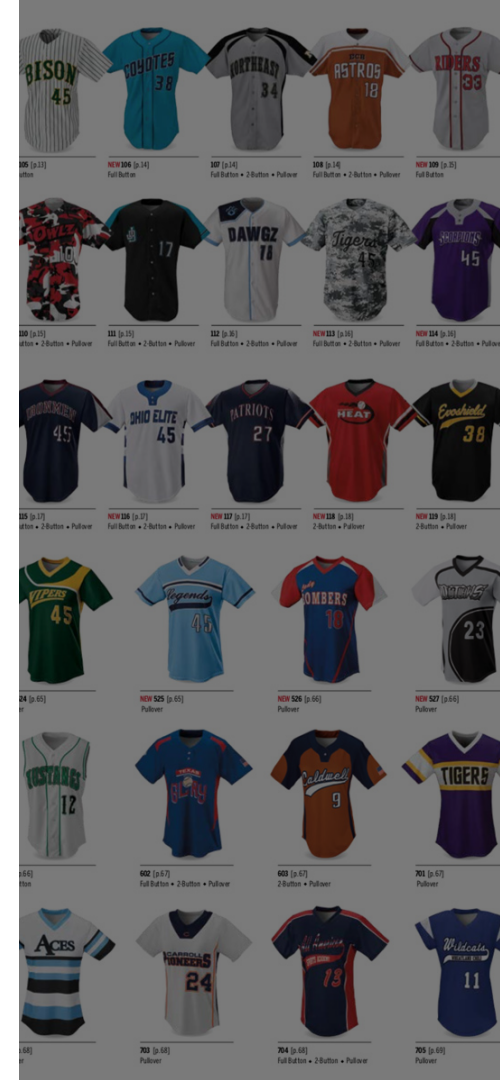


CHALLENGES

Glossy Helmet



- Wilson Team Shop
 - wilsonteamshop.com
- Configurator Database
 - configurator-database.com
- Smashing Magazine
 - [Designing A Perfect Responsive Configurator](#)





QUESTIONS?

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