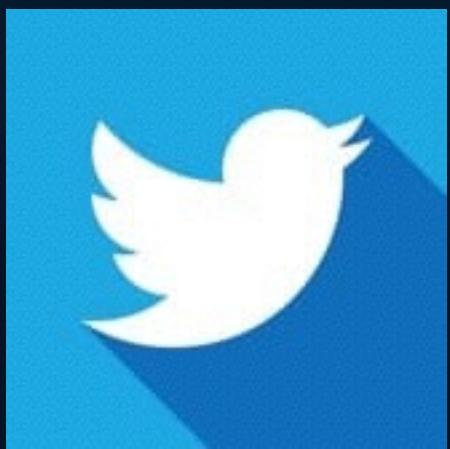
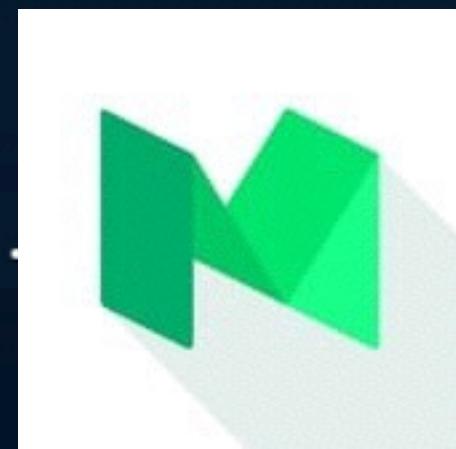
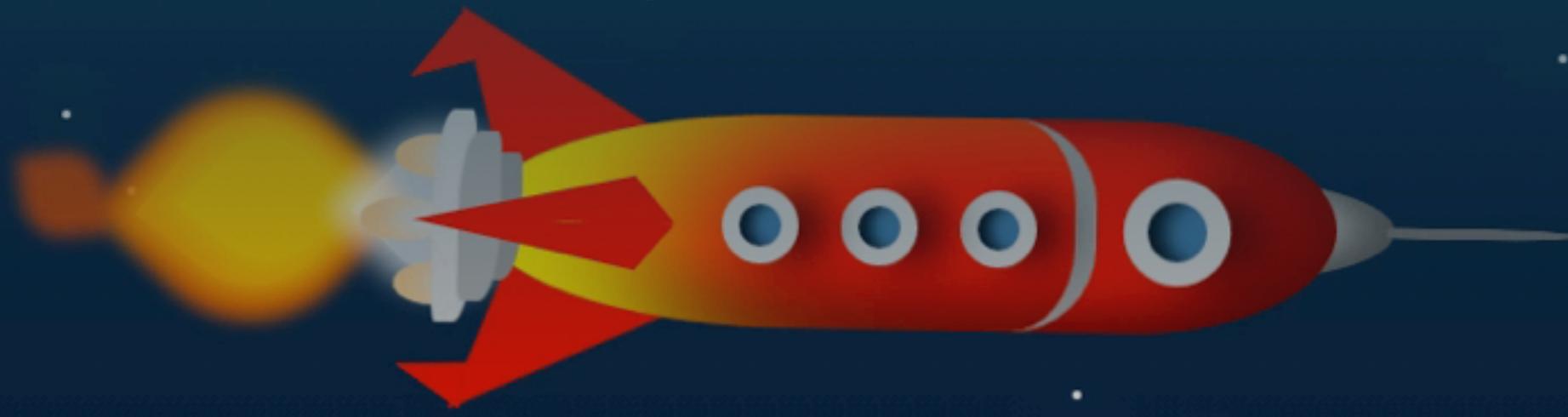


CRIANDO INTERFACES INTERATIVAS COM SVG + SASS + JS

Krystal Campioni



@krystalcampioni

O QUE DIABOS É UM SVG?

► Scalable Vector Graphics
ou Gráficos Vetoriais Escaláveis

O QUE DIABOS É UM SVG?

- ▶ Scalable Vector Graphics
ou Gráficos Vetoriais Escaláveis



O QUE DIABOS É UM SVG?

- ▶ Scalable Vector Graphics
ou Gráficos Vetoriais Escaláveis



O QUE DIABOS É UM SVG?

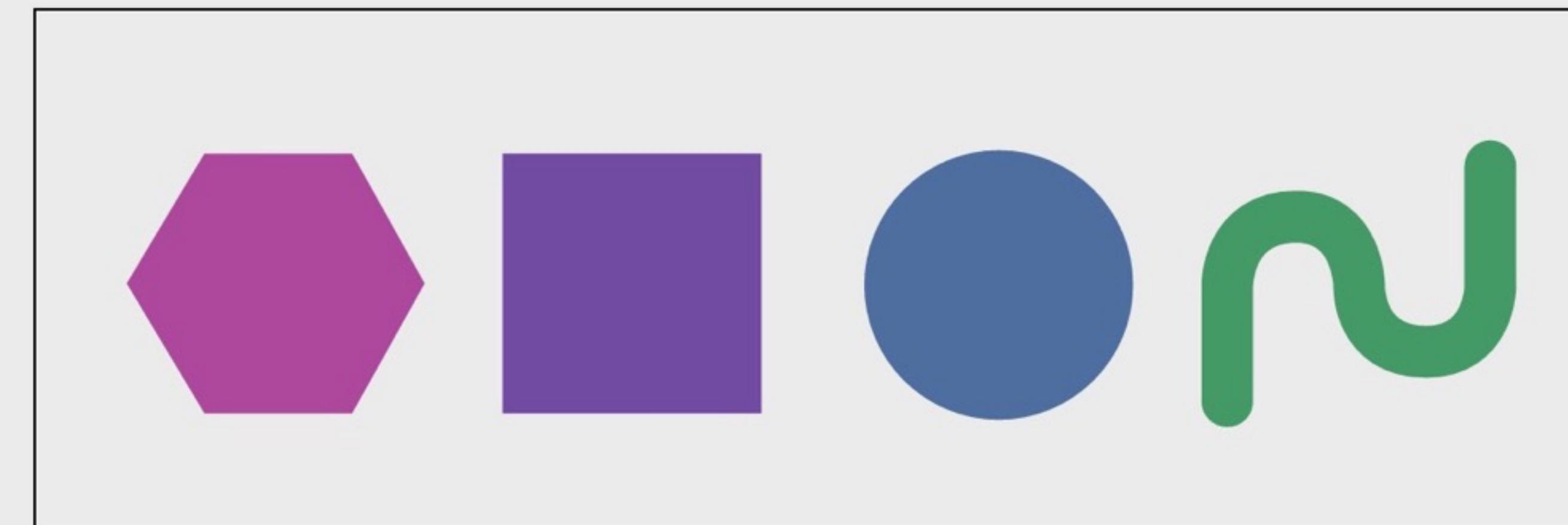
- ▶ **S**calable **V**ector **G**raphics
ou Gráficos Vetoriais Escaláveis



LEGAL, E COMO ISSO FUNCIONA?

HTML

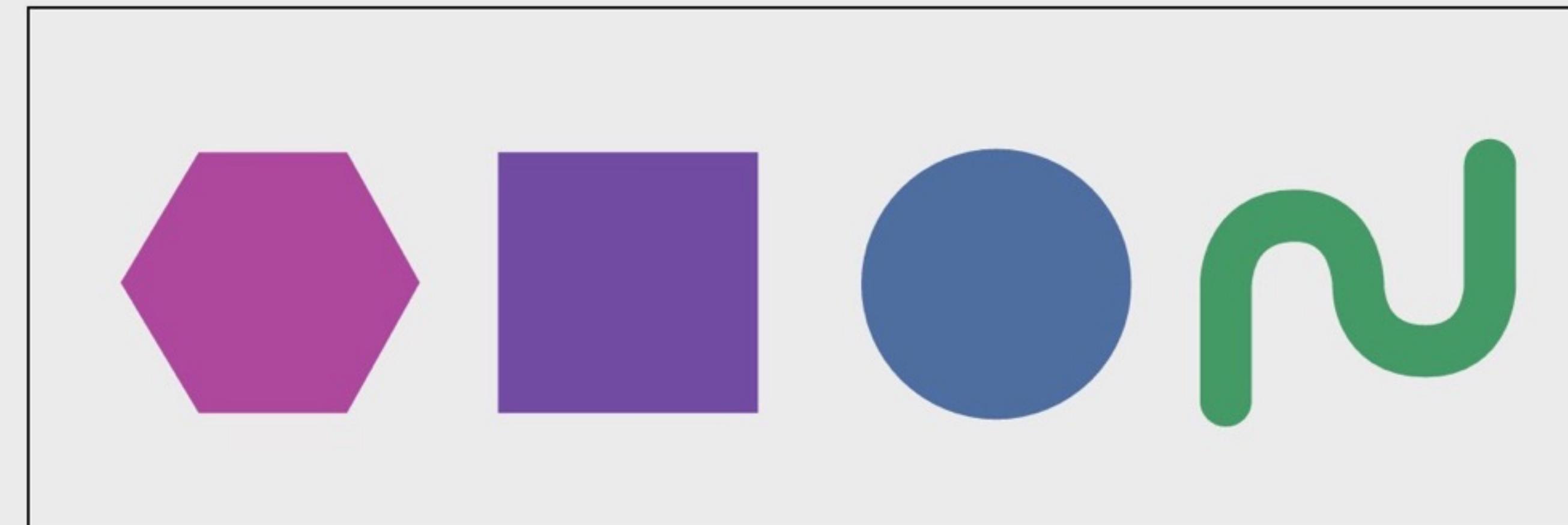
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



A TAG SVG E O VIEWBOX

HTML

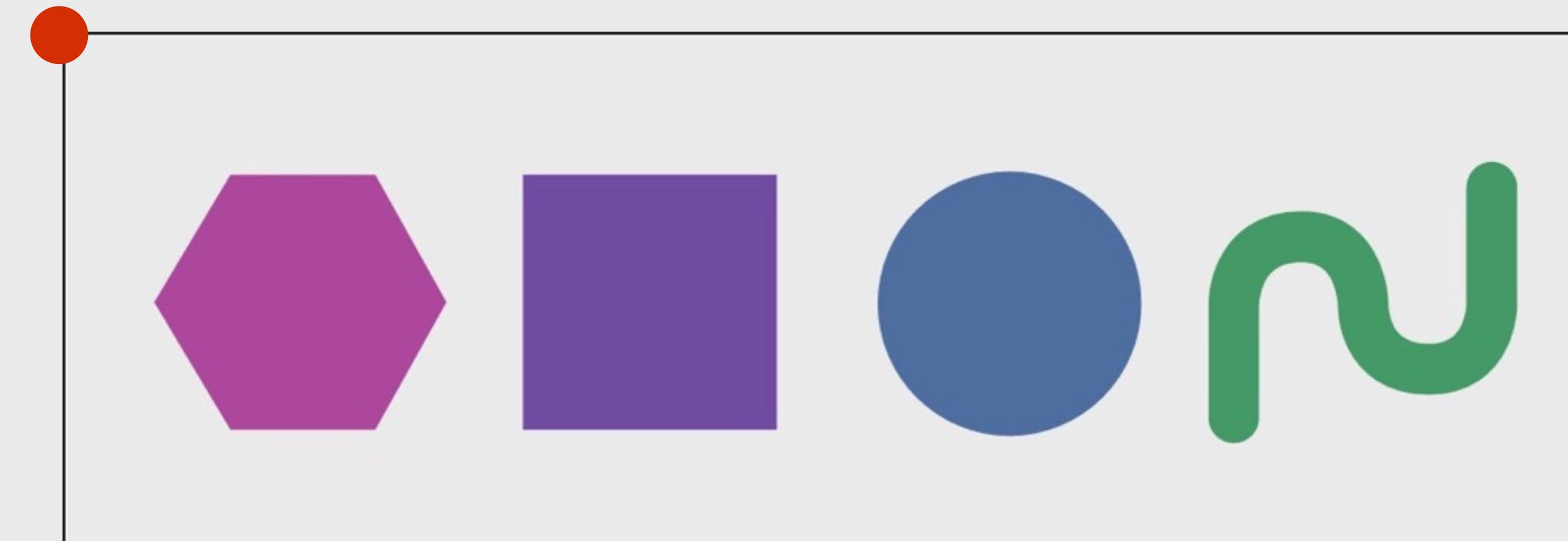
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



A TAG SVG E O VIEWBOX

HTML

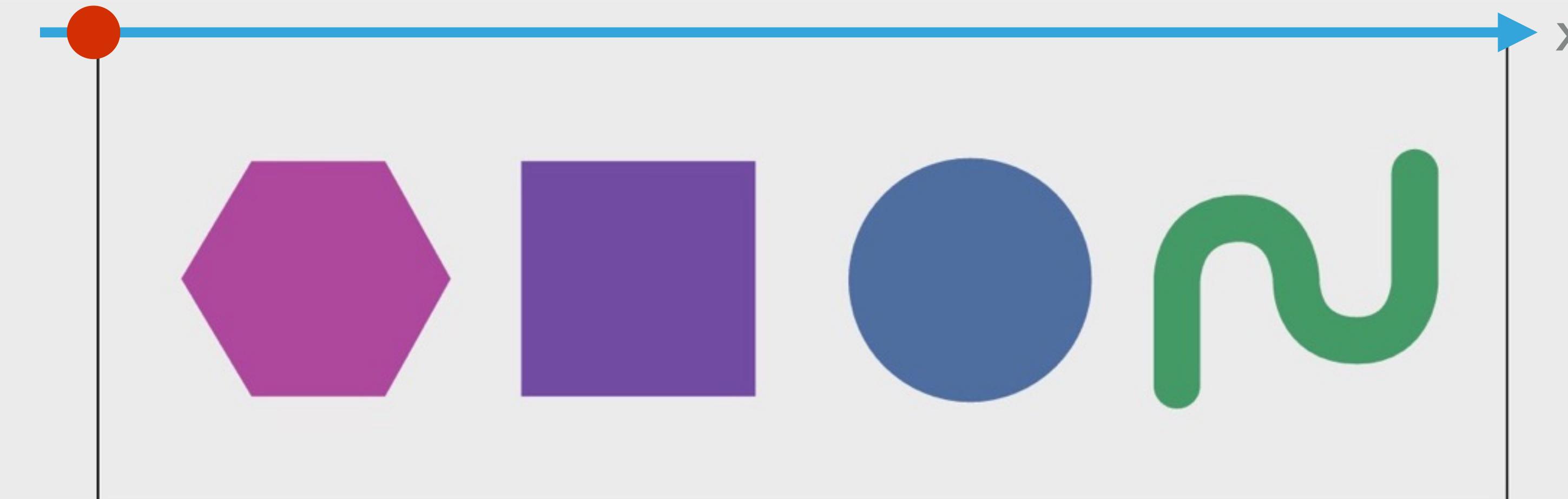
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



A TAG SVG E O VIEWBOX

HTML

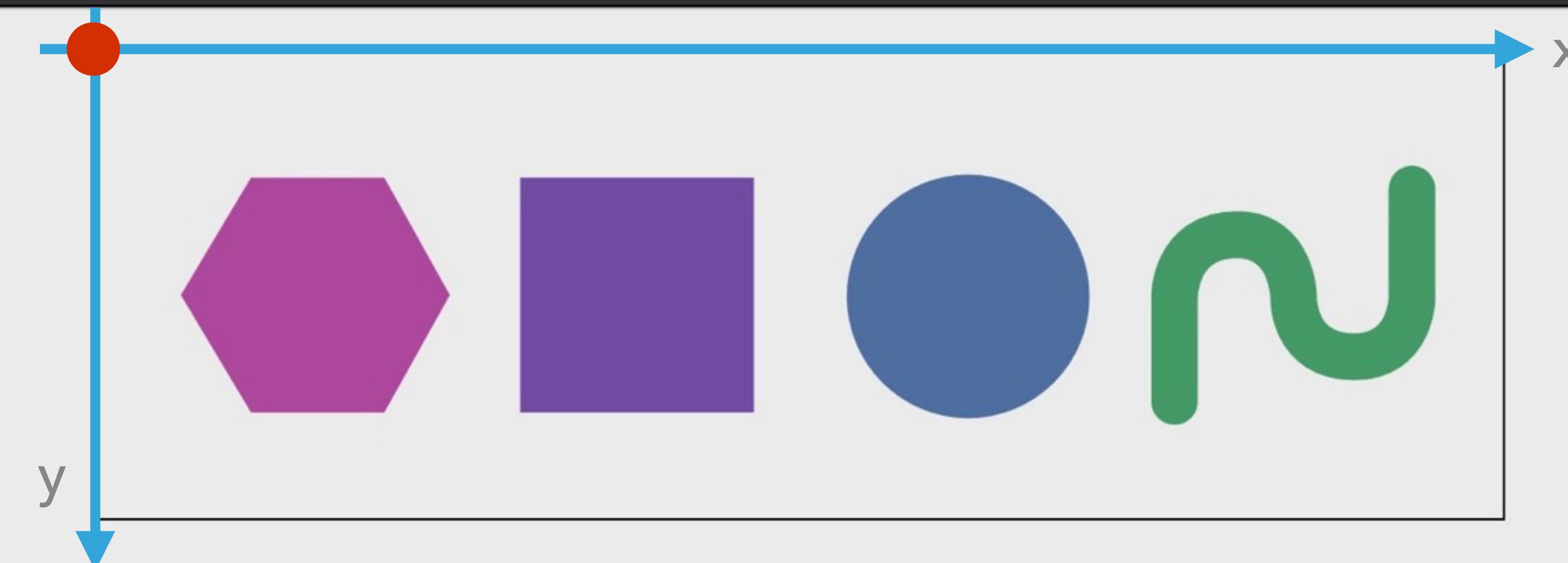
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



A TAG SVG E O VIEWBOX

HTML

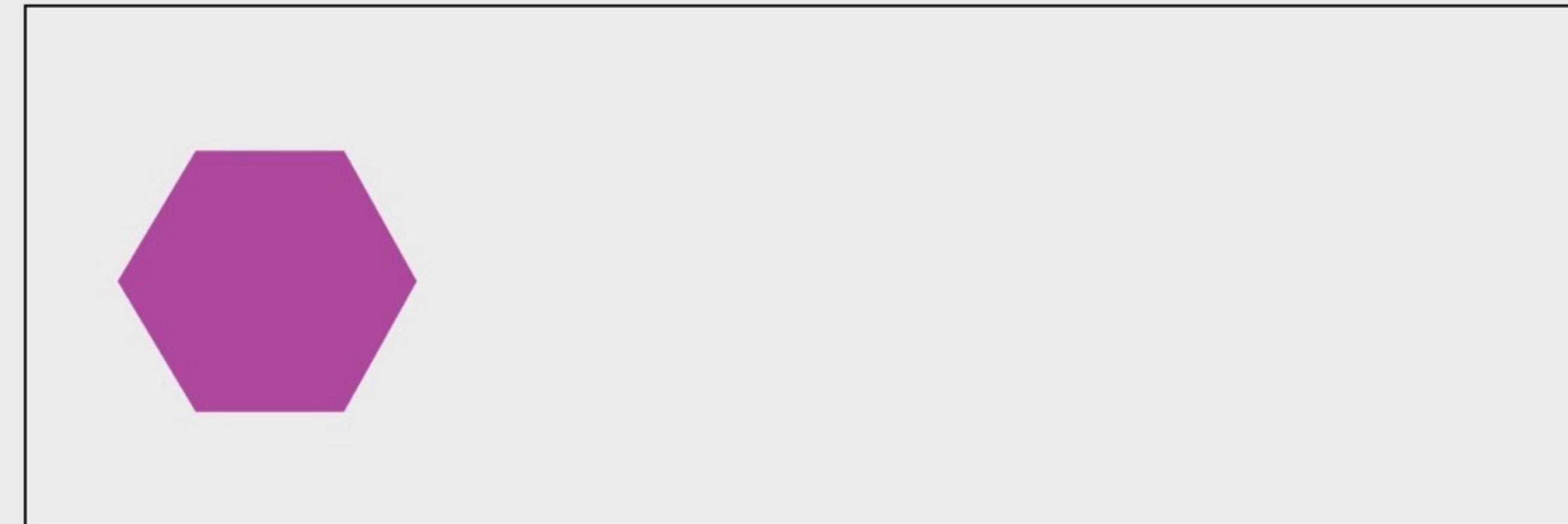
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO POLÍGONOS

HTML

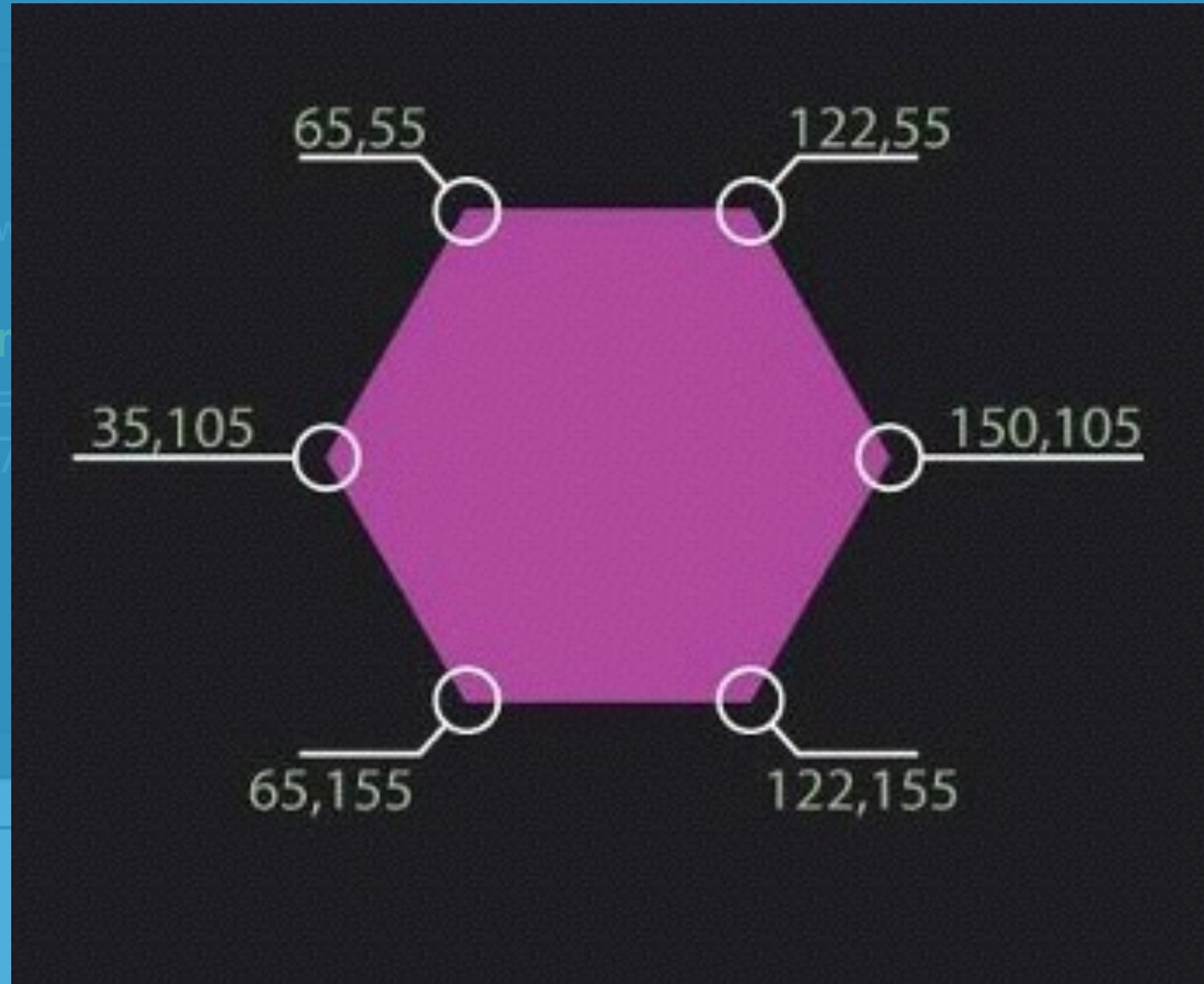
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO POLÍGONOS

HTML

```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg">
2   <g id="group">
3     <polygon class="polygon" points="180,105 375,105 459.7,65.55 122.55,65.55 122.55,155 65,155 65,105 35,105"/>
4     <rect class="rect" x="180" y="105" width="150" height="100"/>
5     <circle class="circle" cx="375" cy="105" r="15"/>
6     <path class="path" d="M459.7,105 Q322.55,105 24.2,26.75 S-.7,25.3 25.9,25.9 V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO RETÂNGULOS

HTML

```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO RETÂNGULOS

HTML

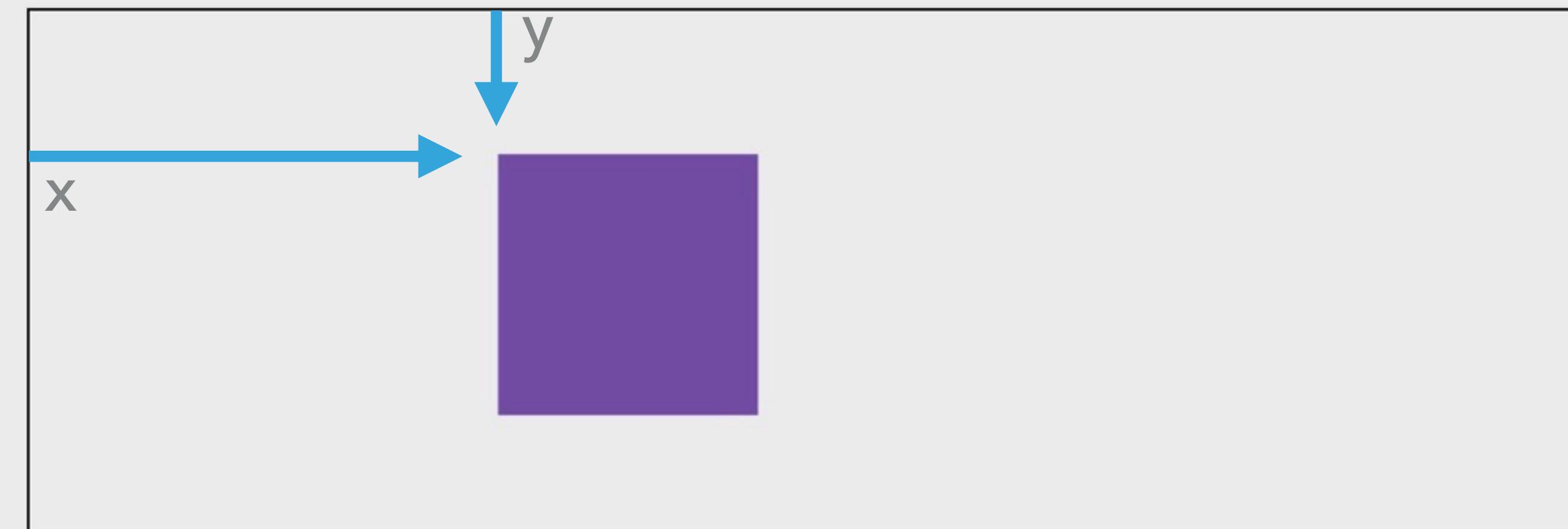
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO RETÂNGULOS

HTML

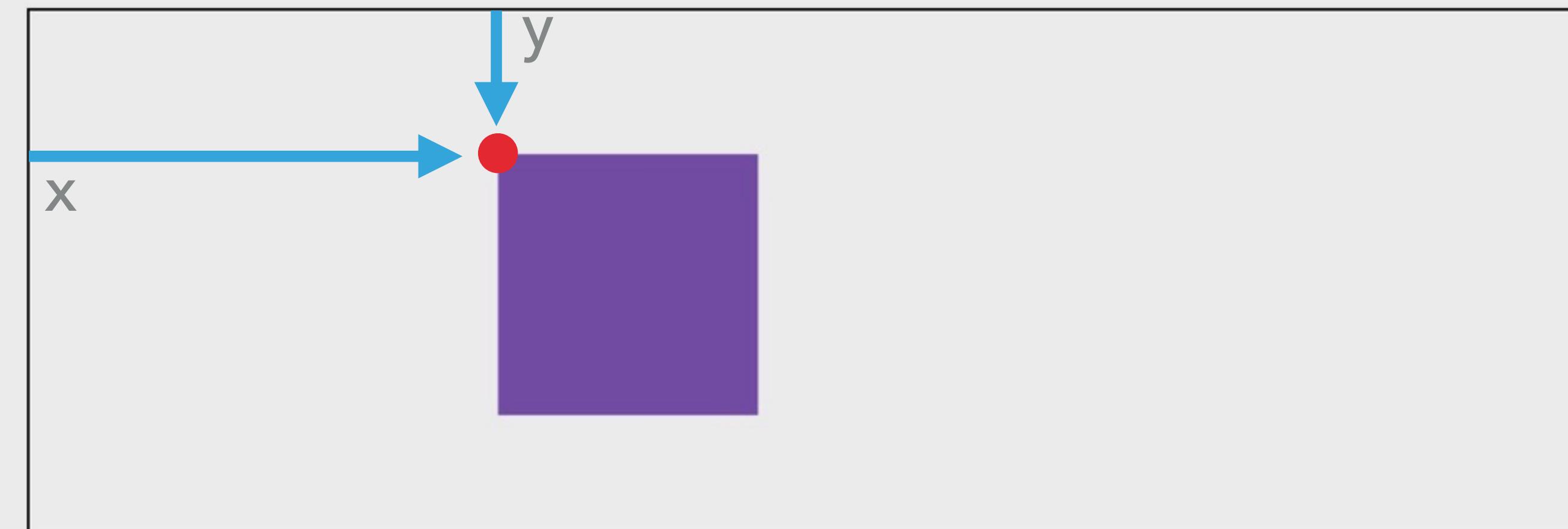
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO RETÂNGULOS

HTML

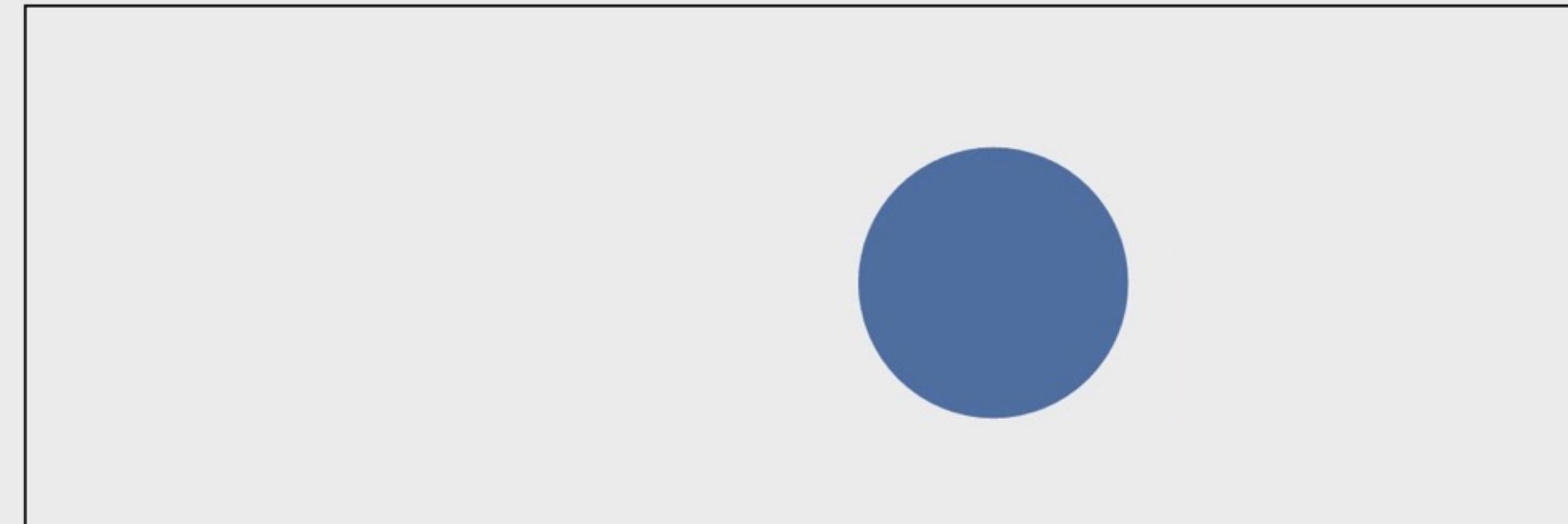
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO CÍRCULOS

HTML

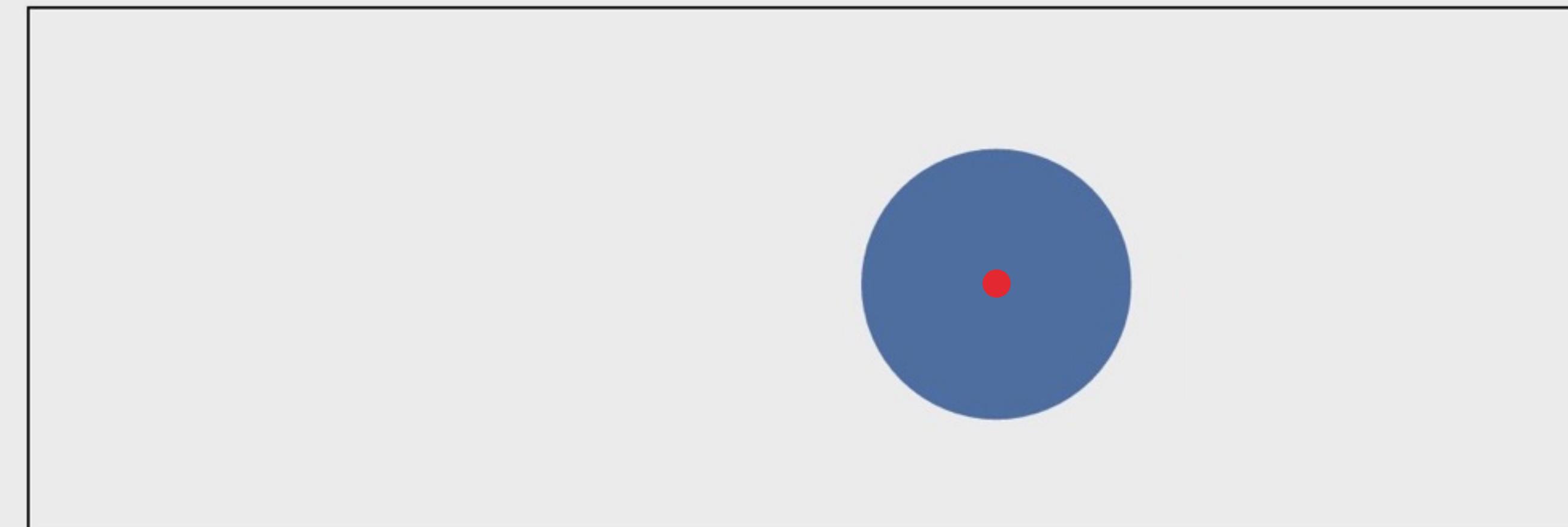
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO CÍRCULOS

HTML

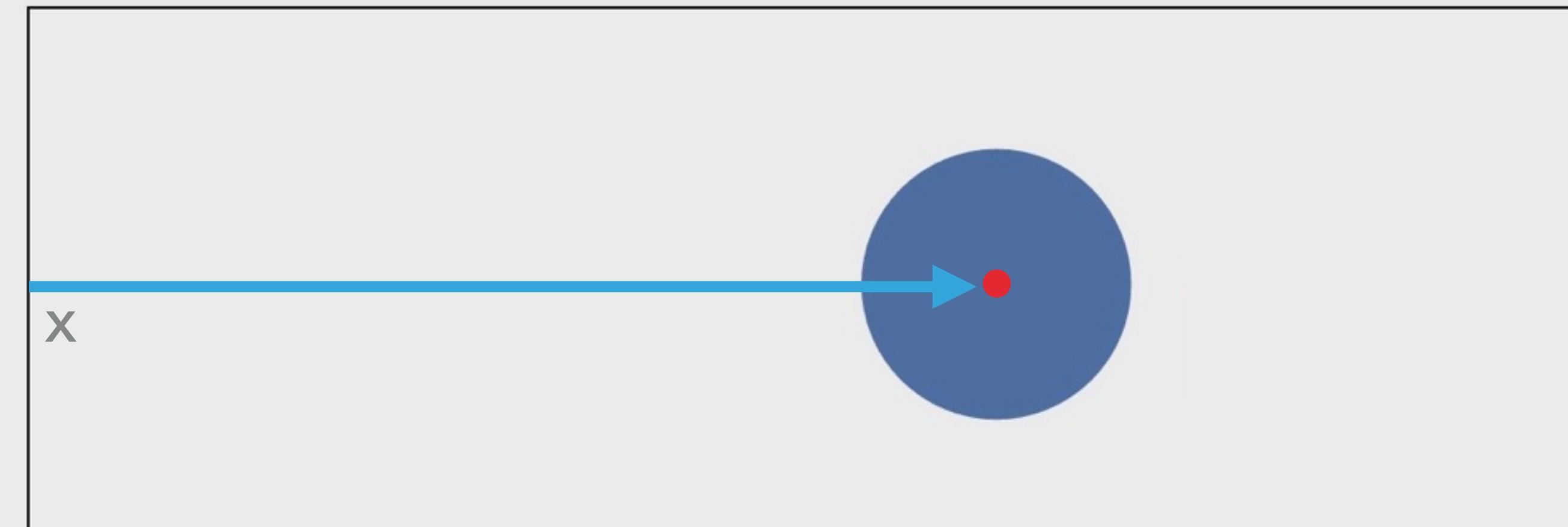
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO CÍRCULOS

HTML

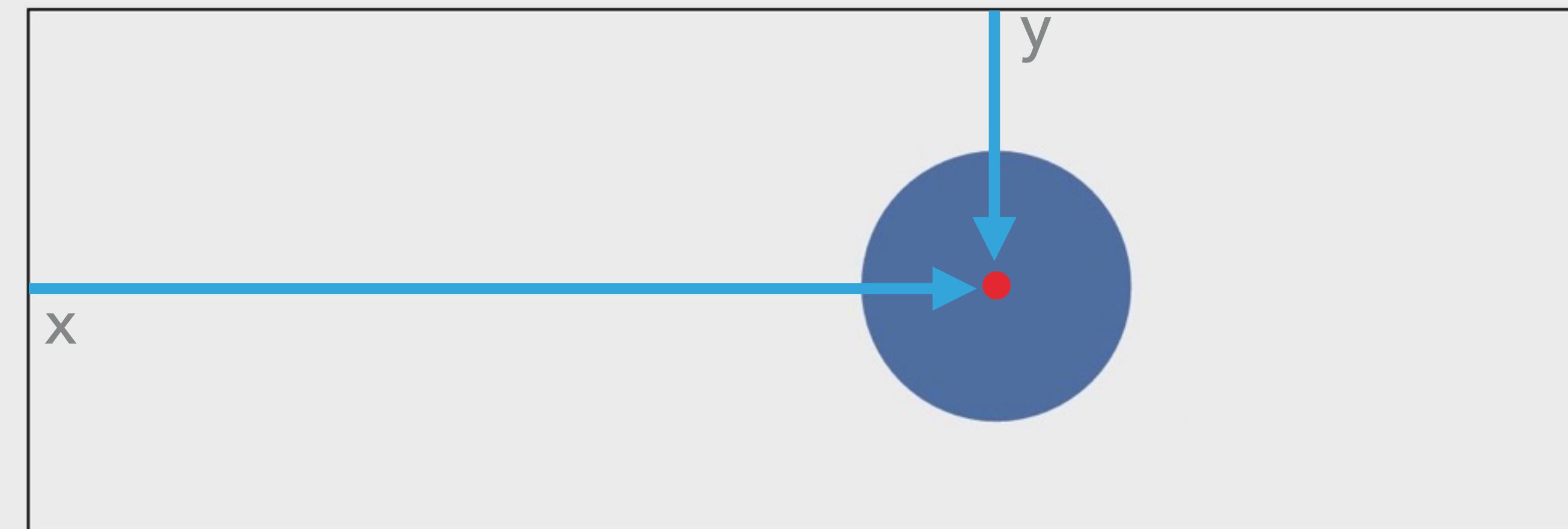
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO CÍRCULOS

HTML

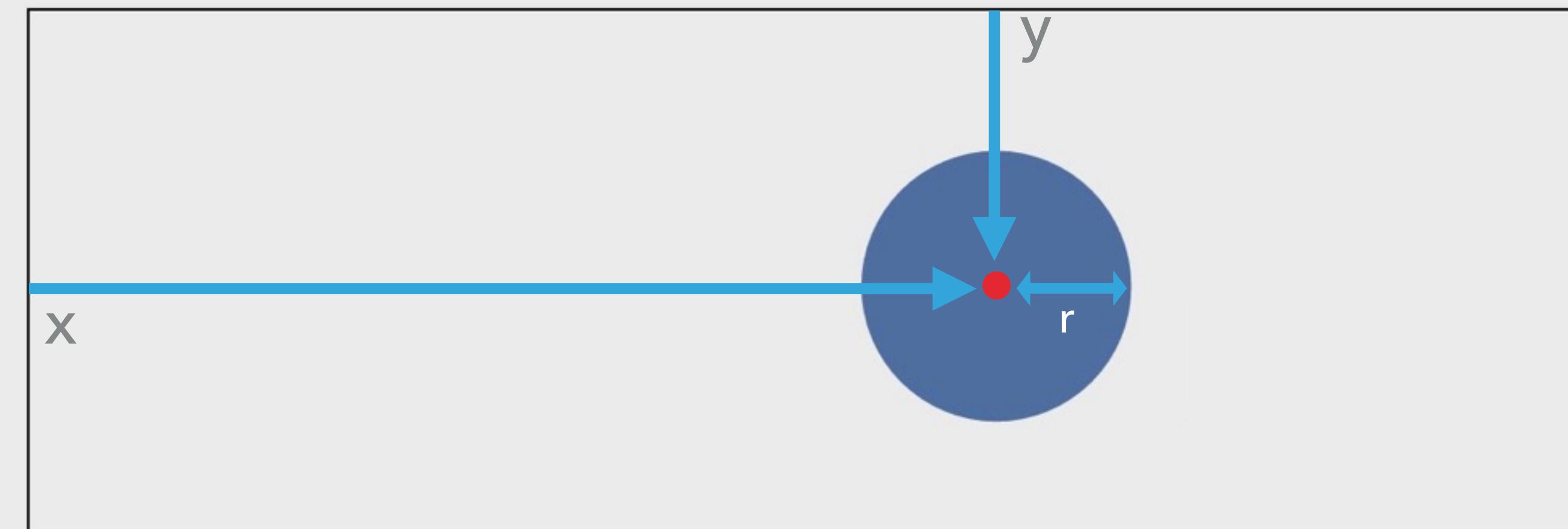
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO CÍRCULOS

HTML

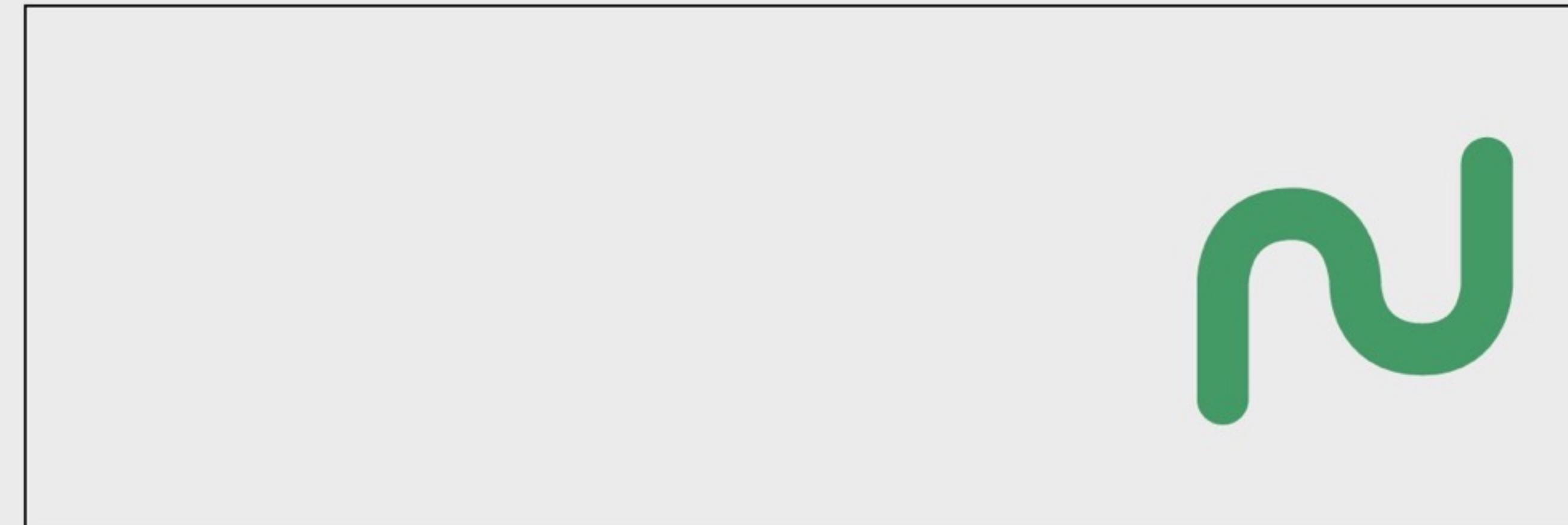
```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



CRIANDO PATHS

HTML

```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



PARA DESENHAR PATHS FACILMENTE:

- ▶ Inkscape
- ▶ Adobe Illustrator
- ▶ Sketch App

PARA ENTENDER PATHS A FUNDO:

- ▶ <http://bit.ly/svgpath>

PARA OTIMIZAR SVGS

- ▶ SVGO
 - ▶ SVGOMG

```
1 <?xml version="1.0" encoding="UTF-8" standalone="no"?>
2 <svg width="20px" height="14px" viewBox="0 0 20 14" version="1.1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org
3     <!-- Generator: Sketch 3.8.3 (29802) - http://www.bohemiancoding.com/sketch -->
4 <title>□ copy 3</title>
5 <desc>Created with Sketch.</desc>
6 <defs></defs>
7 <g id="Page-v2" stroke="none" stroke-width="1" fill="none" fill-rule="evenodd" fill-opacity="0.4">
8     <g id="Meus-Pedidos" transform="translate(-493.000000, -224.000000)" fill="#112C39">
9         <g id="Group" transform="translate(444.000000, 208.000000)">
10            <g id="Group-10-Copy" transform="translate(40.000000, 4.000000)">
11                <g id="Group-2">
12                    <path d="M17.0457143,21.6057143 L20.9542857,21.6057143 L20.9542857,20.6285714 L19.6514286,20.6285714 L19.65
13                </g>
14            </g>
15        </g>
16    </g>
17 </g>
18 </svg>
```

PARA OTIMIZAR SVGS

- ▶ SVGO
- ▶ SVGOMG

```
1 <svg xmlns="http://www.w3.org/2000/svg" width="20" height="14" viewBox="0 0 20 14">
2   <path fill="#112C39" fill-opacity=".4" fill-rule="evenodd" d="M8.046 9.606h3.908V8.63H10.65V4.07H9.49L7.986 5.462l.783.814c.285-.112.462-.386.462-.783v-.462H7.986c-.112-.285-.386-.462-.783-.462z"/>
3 </svg>
```

USANDO GRUPOS

HTML

```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8   <use xlink:href="#group" class="reused-group" x="790" y="0"/>
9 </svg>
```



USANDO GRUPOS

HTML

```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg">
2   <g id="group">
3     <polygon class="polygon" points="65,55 125,55 125,125 65,125 65,55" />
4     <rect class="rect" x="180" y="55" width="60" height="70" />
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9" />
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ...
7   </g>
8   <use xlink:href="#group" class="reused-group" x="790" y="0" />
9 </svg>
```

CSS (SCSS)

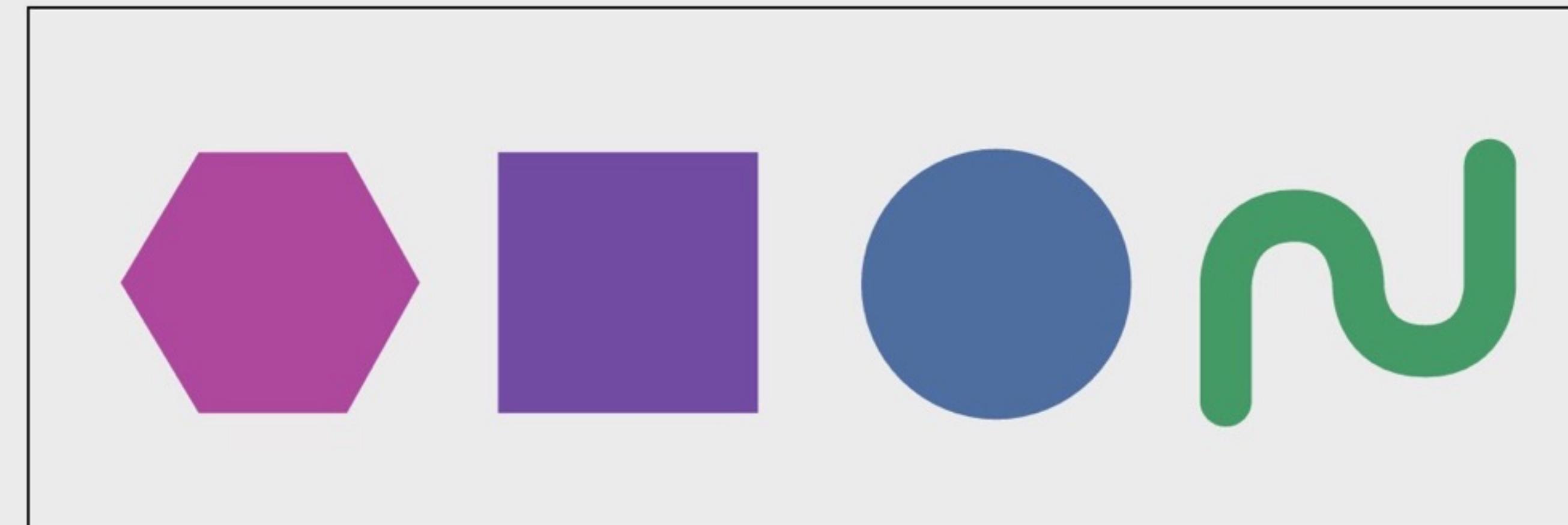
```
1 .reused-group {
2   transform: rotate(-5deg) scale(0.5);
3 }
```



APLICANDO CSS EM SVGS

HTML

```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 600 200">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 35,105"/>
4     <rect class="rect" x="180" y="55" width="100" height="100"/>
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9"/>
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c24 0 24.2 26.7 24.2 26.7s-.7 25.3 25.9 ... 3V59.9"/>
7   </g>
8 </svg>
9
```



APLICANDO CSS EM SVGS

HTML

```
1 <svg class="svg" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 1000 1000">
2   <g id="group">
3     <polygon class="polygon" points="65,55 122,55 150,105 122,155 65,155 37,105" />
4     <rect class="rect" x="180" y="55" width="100" height="100" />
5     <circle class="circle" cx="371.5" cy="105.6" r="51.9" />
6     <path class="path" d="M459.7 150.3V106s-.3-26.7 26.7-26.7c23.4 0 46.8 13.4 46.8 26.7s-23.4 26.7-46.8 26.7c-23.4 0-46.8-13.4-46.8-26.7s23.4-26.7 46.8-26.7z" />
7   </g>
8 </svg>
```

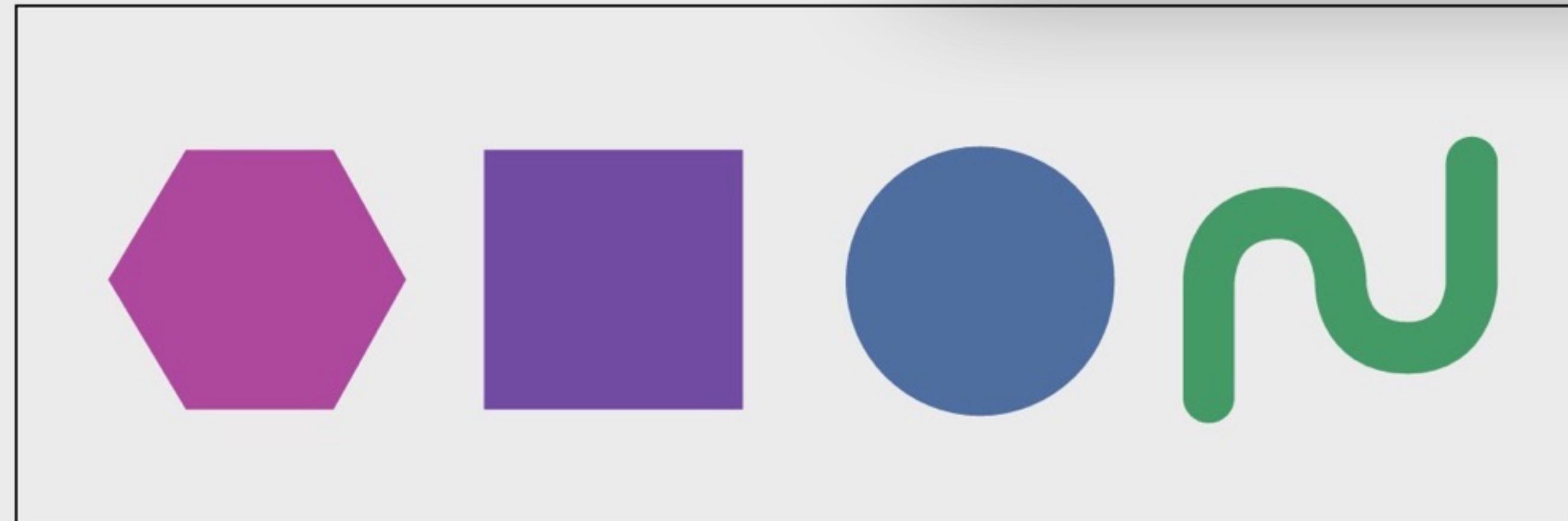
```
.svg { max-width: 90%; border: 1px solid gray; }

.polygon { fill: $pink; }

.rect { fill: $purple; }

.circle { fill: $blue; }

.path {
  fill: none;
  stroke: $green;
  stroke-width: 20;
  stroke-linecap: round; // square // butt
}
```

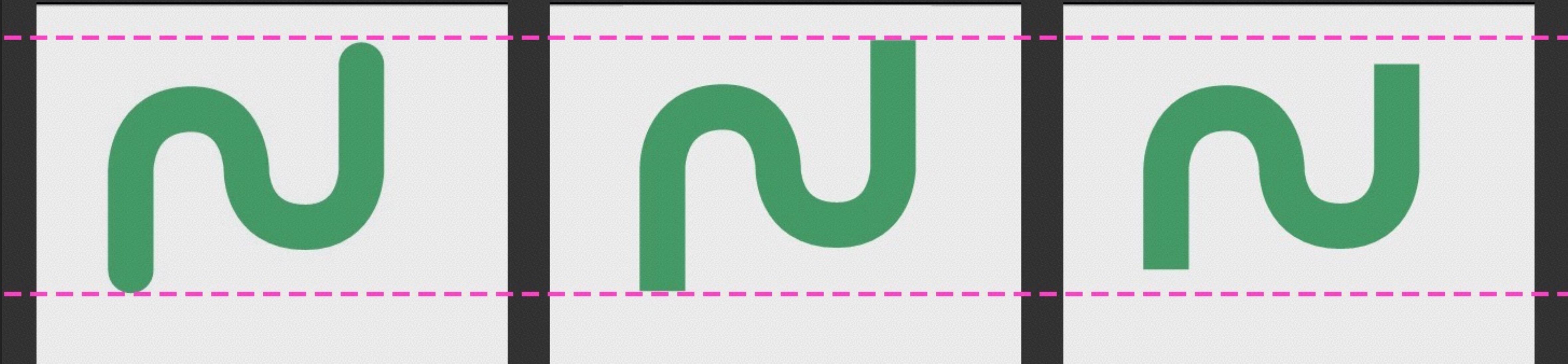


CRIANDO INTERFACES INTERATIVAS COM SVG + SASS + JAVASCRIPT

```
.path {  
  stroke-linecap: round;  
}
```

```
.path {  
  stroke-linecap: square;  
}
```

```
.path {  
  stroke-linecap: butt;  
}
```



ANIMAÇÕES DE KEYFRAMES EM CSS

CSS (SCSS)

```
1  @keyframes nome-da-animacao {  
2    from { transform: rotate(-30deg) ; } /* estado inicial */  
3    to { transform: rotate(30deg); } /* estado final */  
4  }  
5  
6  /* ou */  
7  
8  @keyframes nome-da-animacao {  
9    0% { opacity: 0; } /* estado inicial */  
10   50% { opacity: 0.5; }  
11   100% { opacity: 1; } /* estado final */  
12 }  
13
```

ANIMAÇÕES DE KEYFRAMES EM CSS

 **CSS** (SCSS)

```
1  .class {  
2      animation: nome-da-animacao 3s infinite alternate ease;  
3  }  
4  
5  /* ou */  
6  
7  .class {  
8      animation-name: nome-da-animacao;  
9      animation-duration: 3s;  
10     animation-iteration-count: infinite; /* quantas vezes tocar a animacao */  
11     animation-direction: alternate; /* alternate "rebobina" a animacao no final */  
12     animation-timing-function: ease;  
13 }
```

ANIMATION-TIMING-FUNCTION

cubic-bezier(1, 0, 1, 1)

cubic-bezier(1, 1, 1, 1)

linear

ease

ease-in

ease-in-out

ANIMATION-TIMING-FUNCTION

cubic-bezier(1, 0, 1, 1)

cubic-bezier(1, 1, 1, 1)

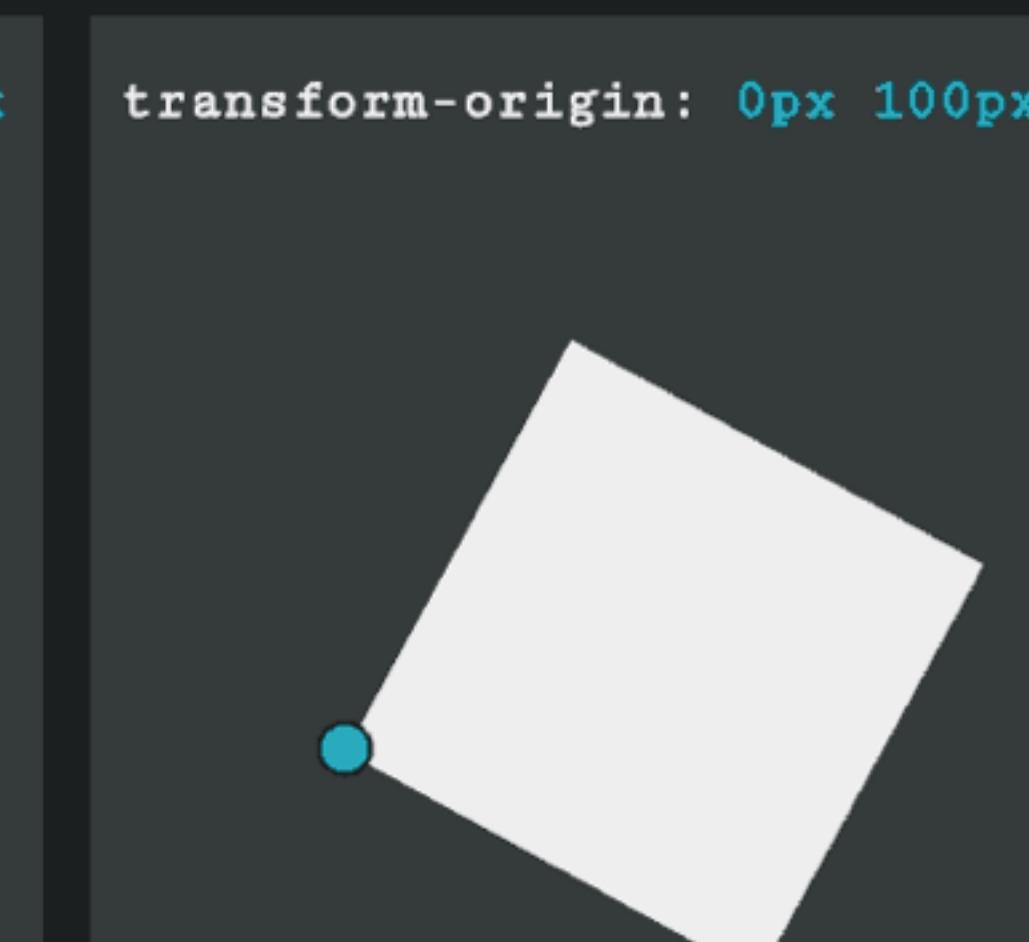
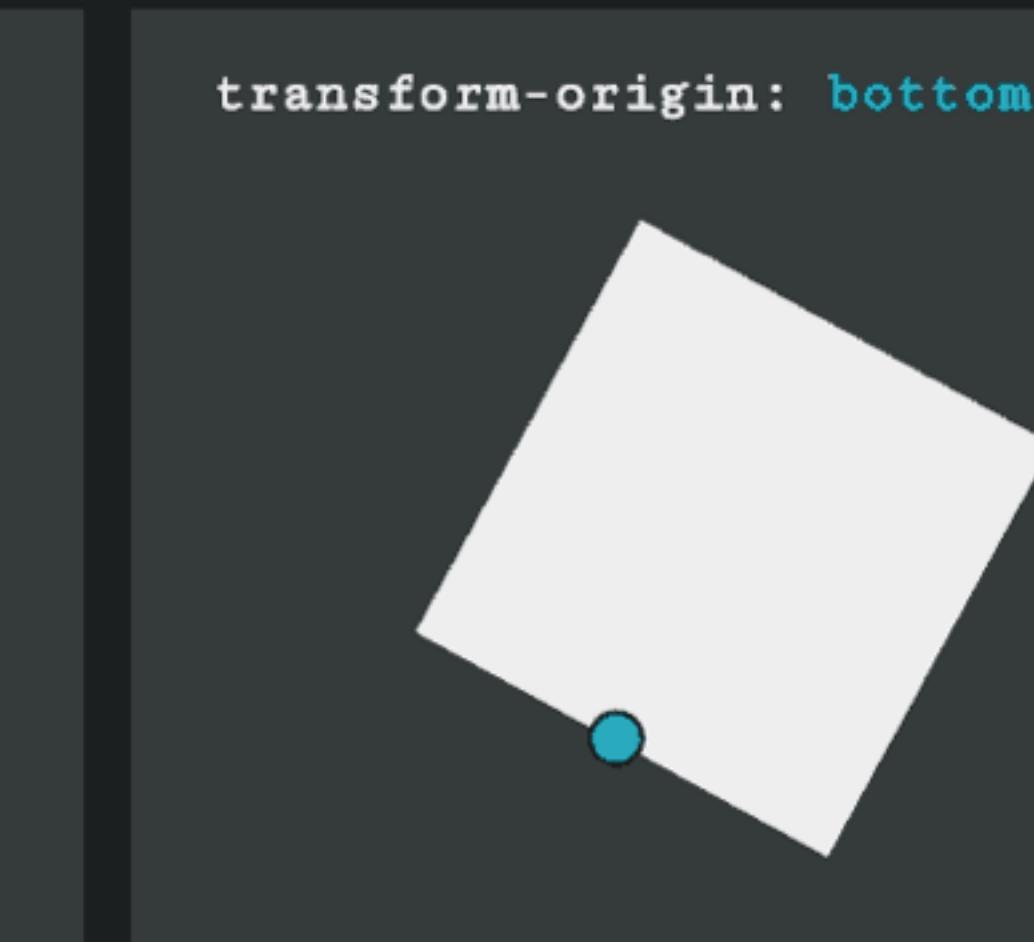
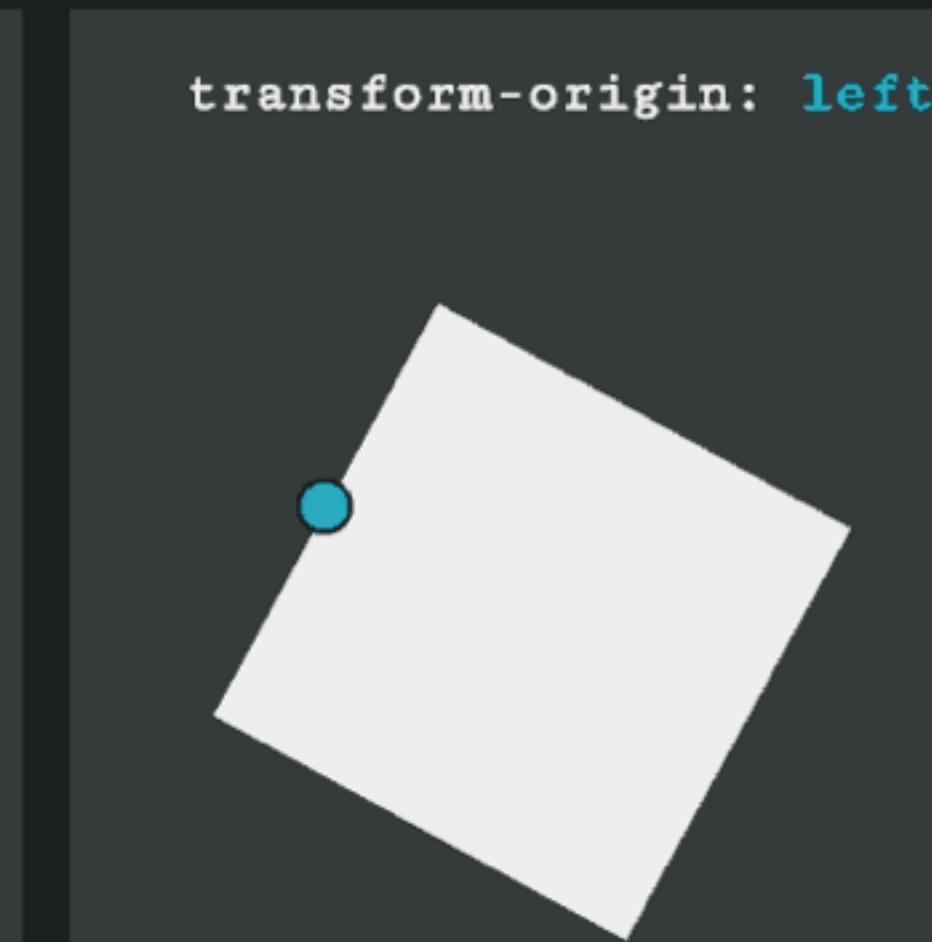
linear

ease

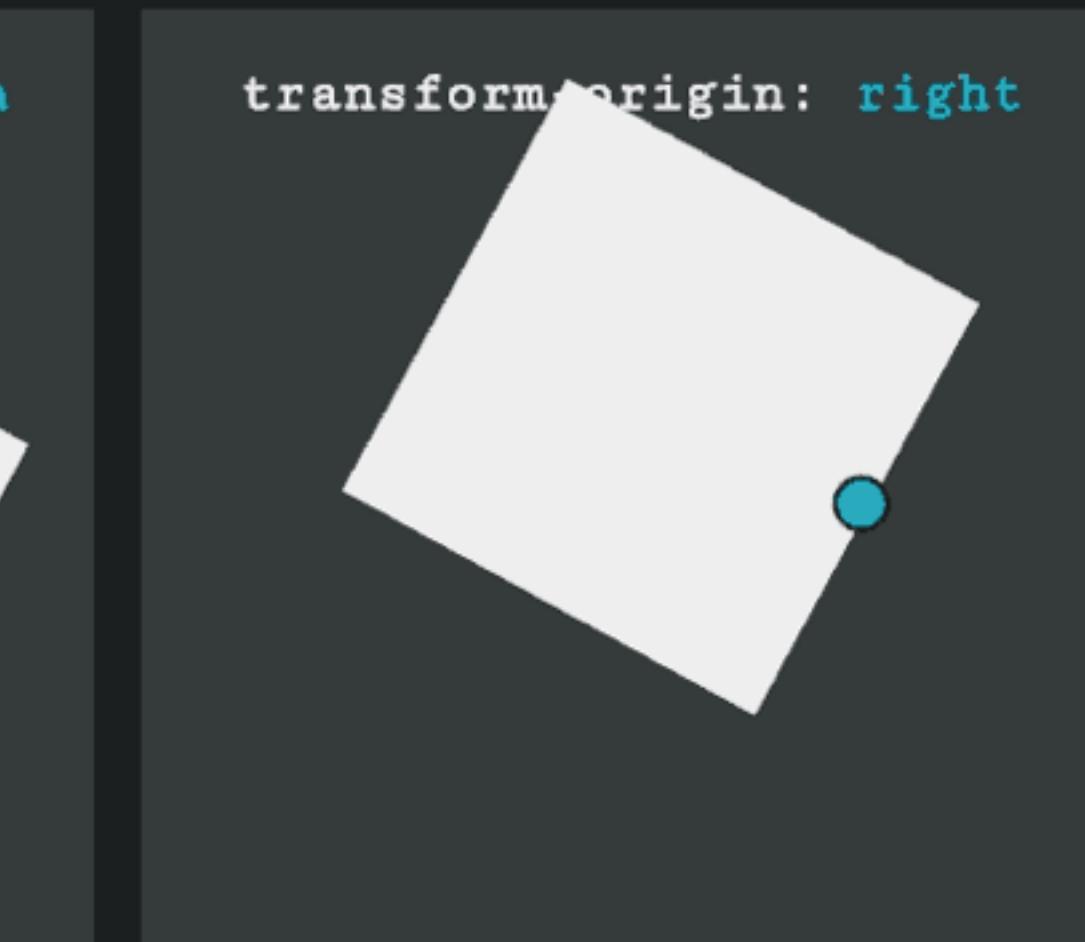
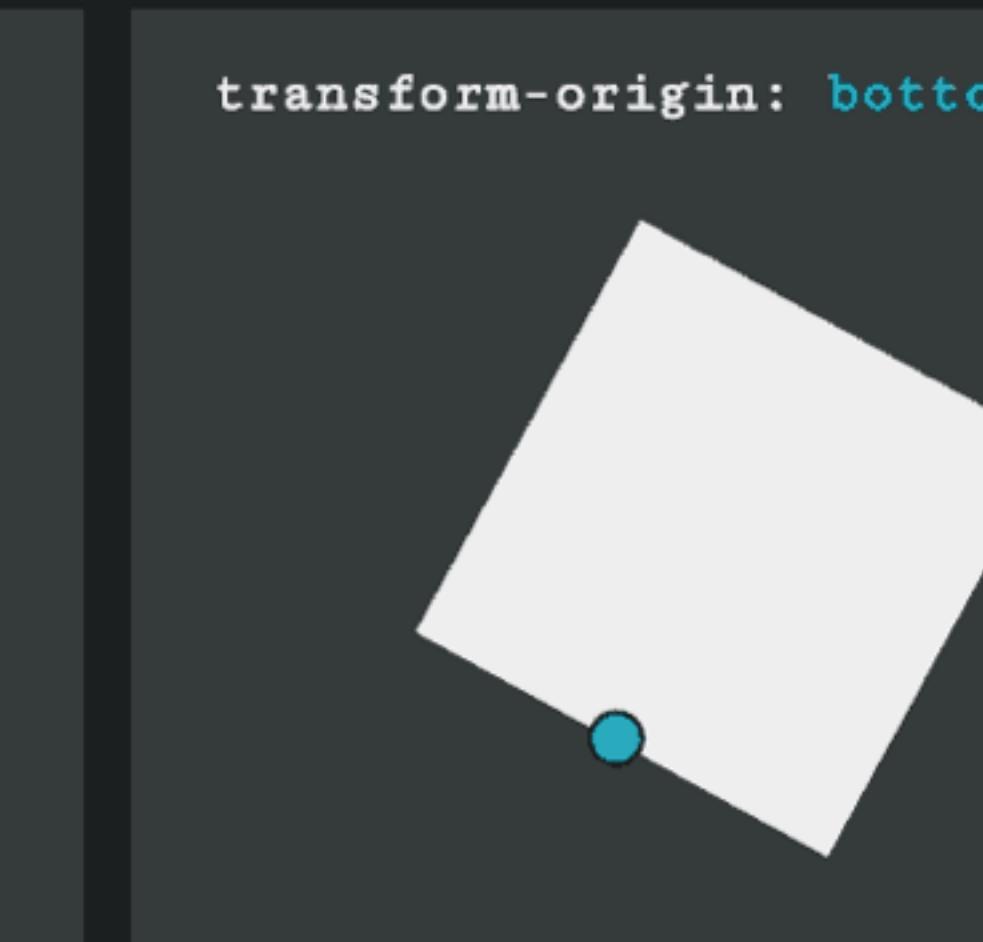
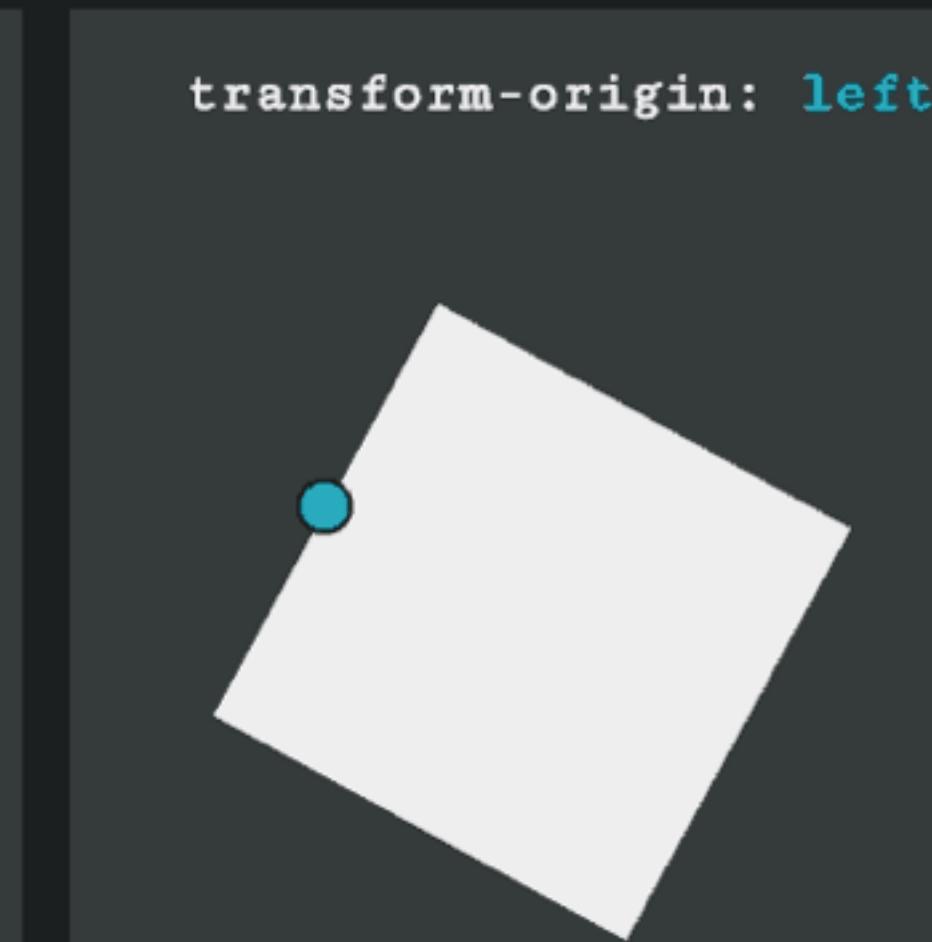
ease-in

ease-in-out

TRANSFORM-ORIGIN



TRANSFORM-ORIGIN



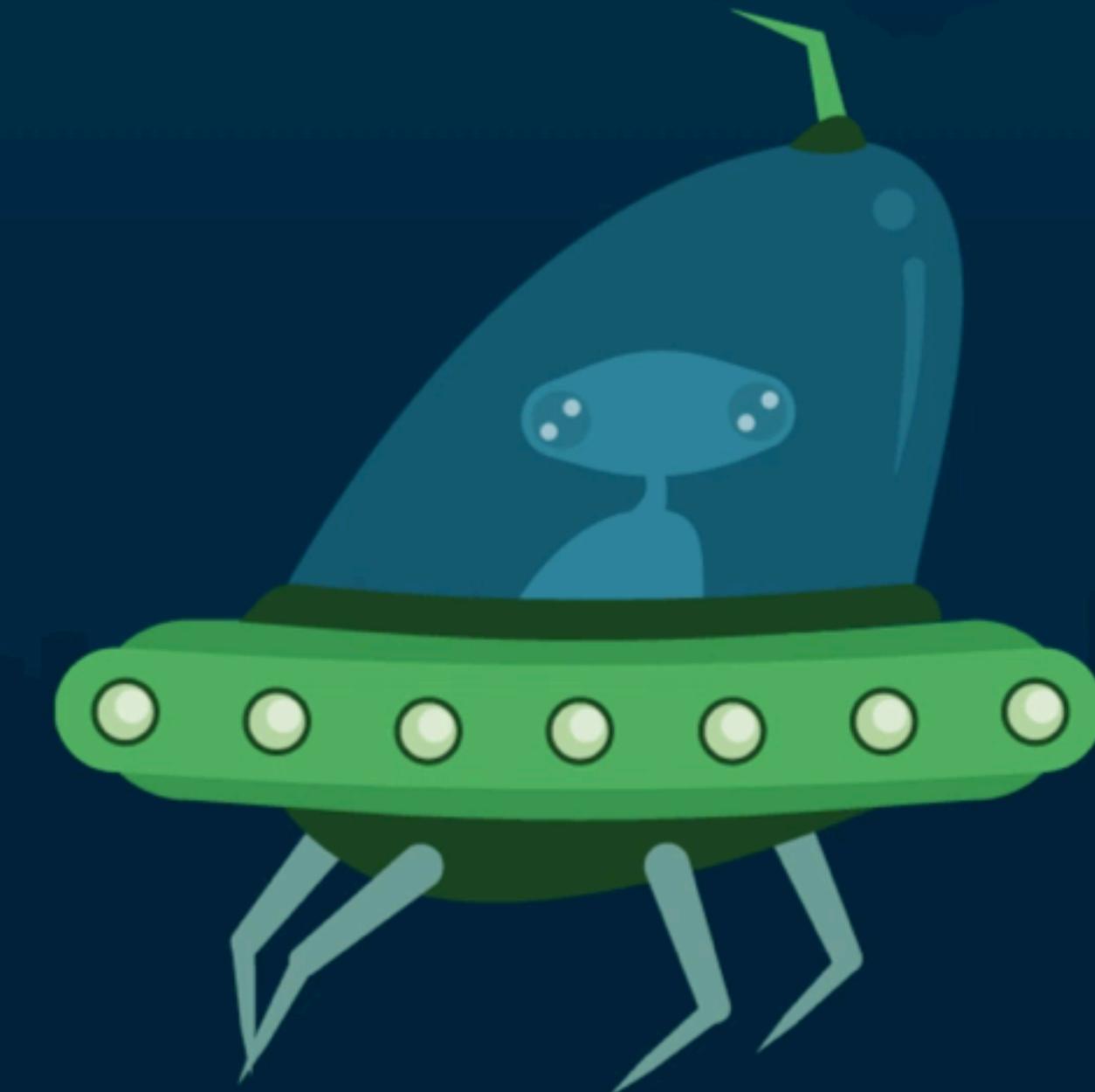
JUNTANDO TUDO

JUNTANDO TUDO

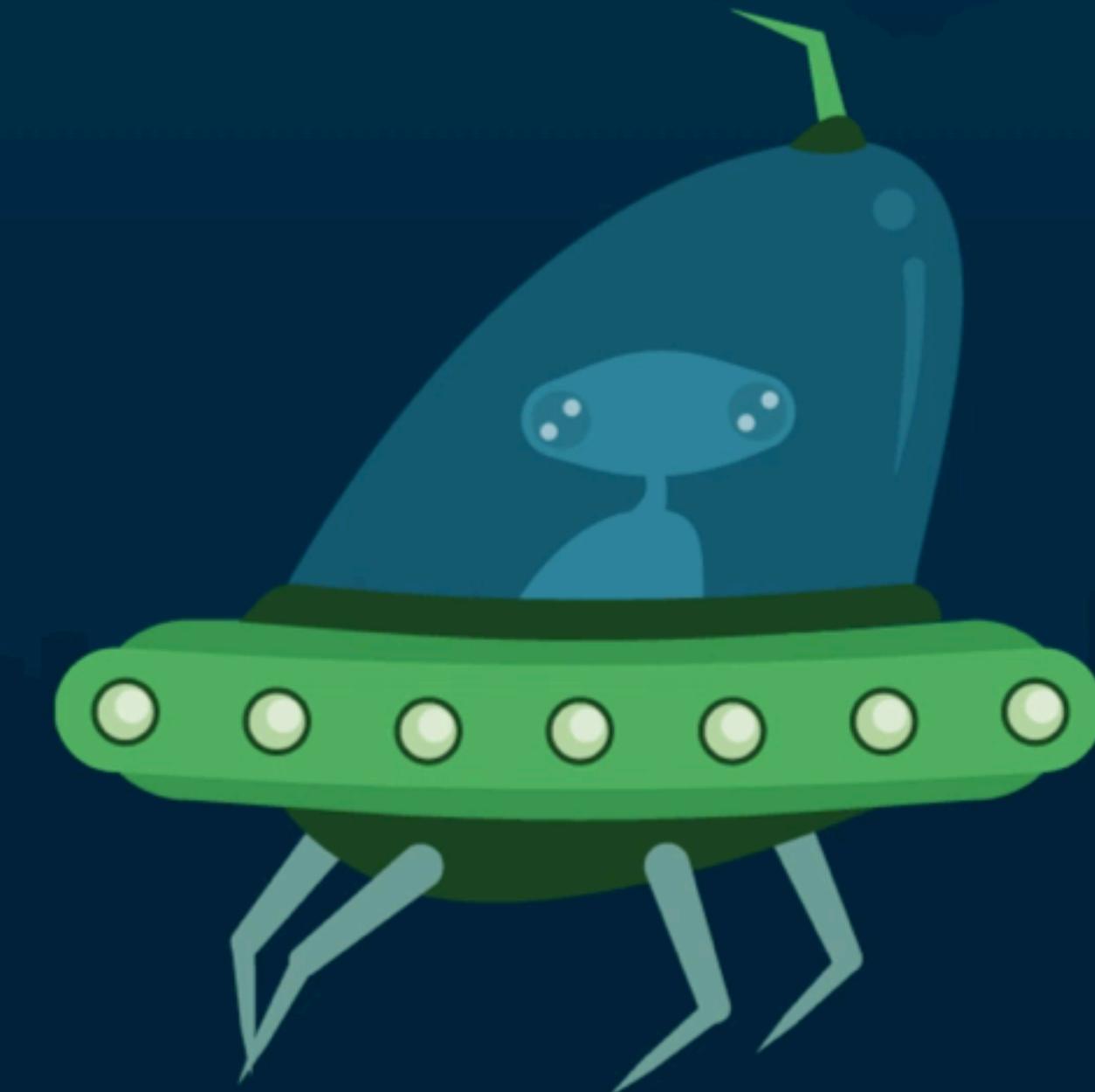
JUNTANDO TUDO

```
.leg {  
  &__1 {  
    transform-origin: 30px 80px;  
    animation-duration: 2s;  
  
    &__tip {  
      transform-origin: 20px 99px;  
      animation-duration: 2.5s  
    }  
  }  
}
```

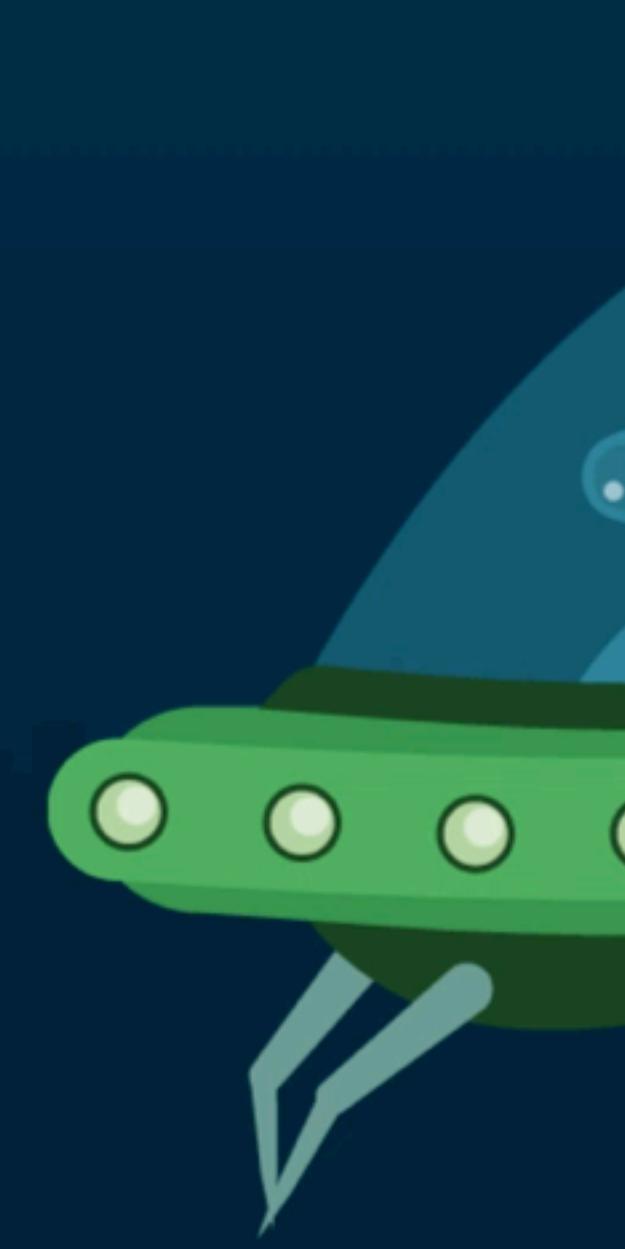
JUNTANDO TUDO



JUNTANDO TUDO



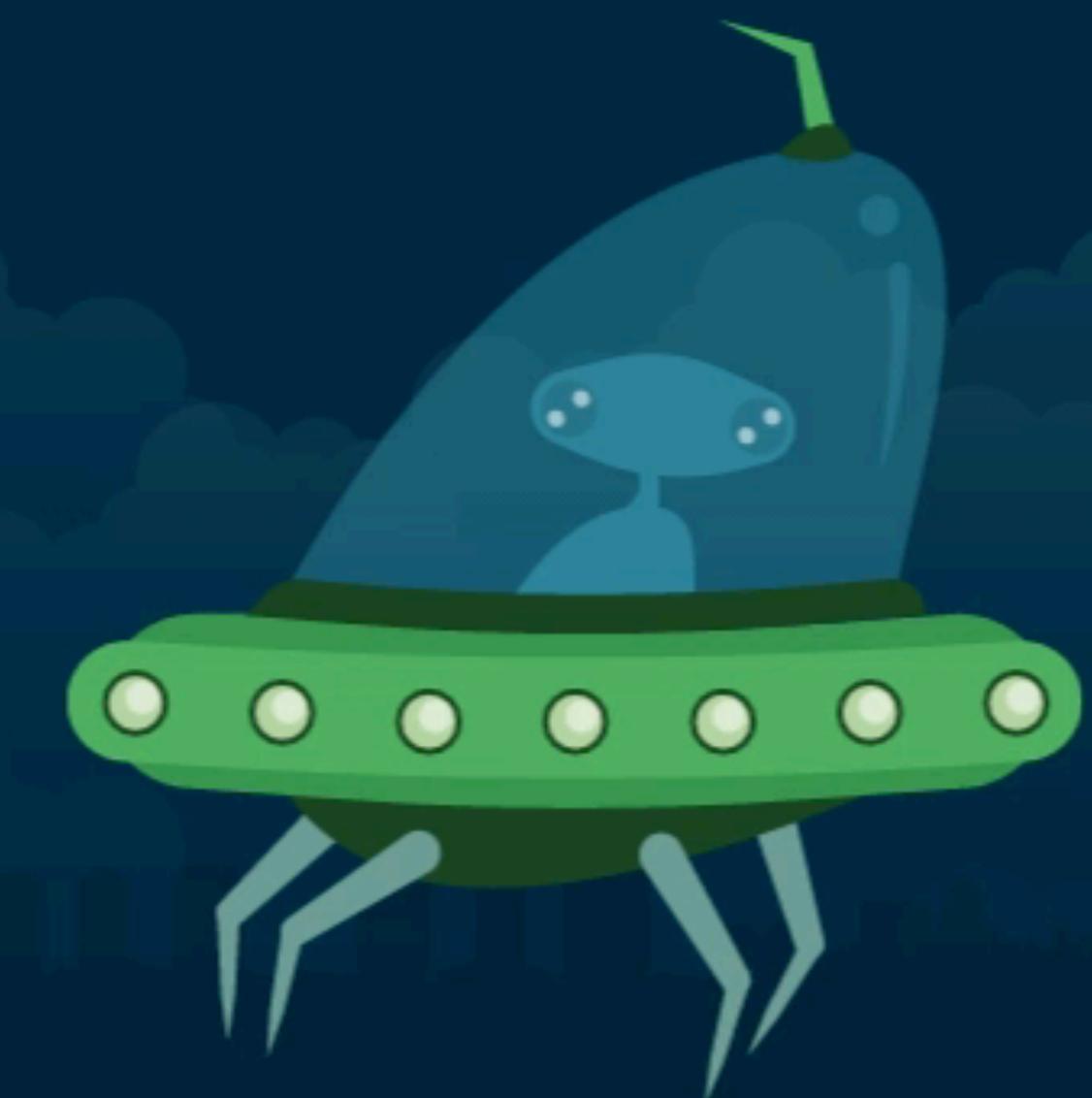
JUNTANDO TUDO



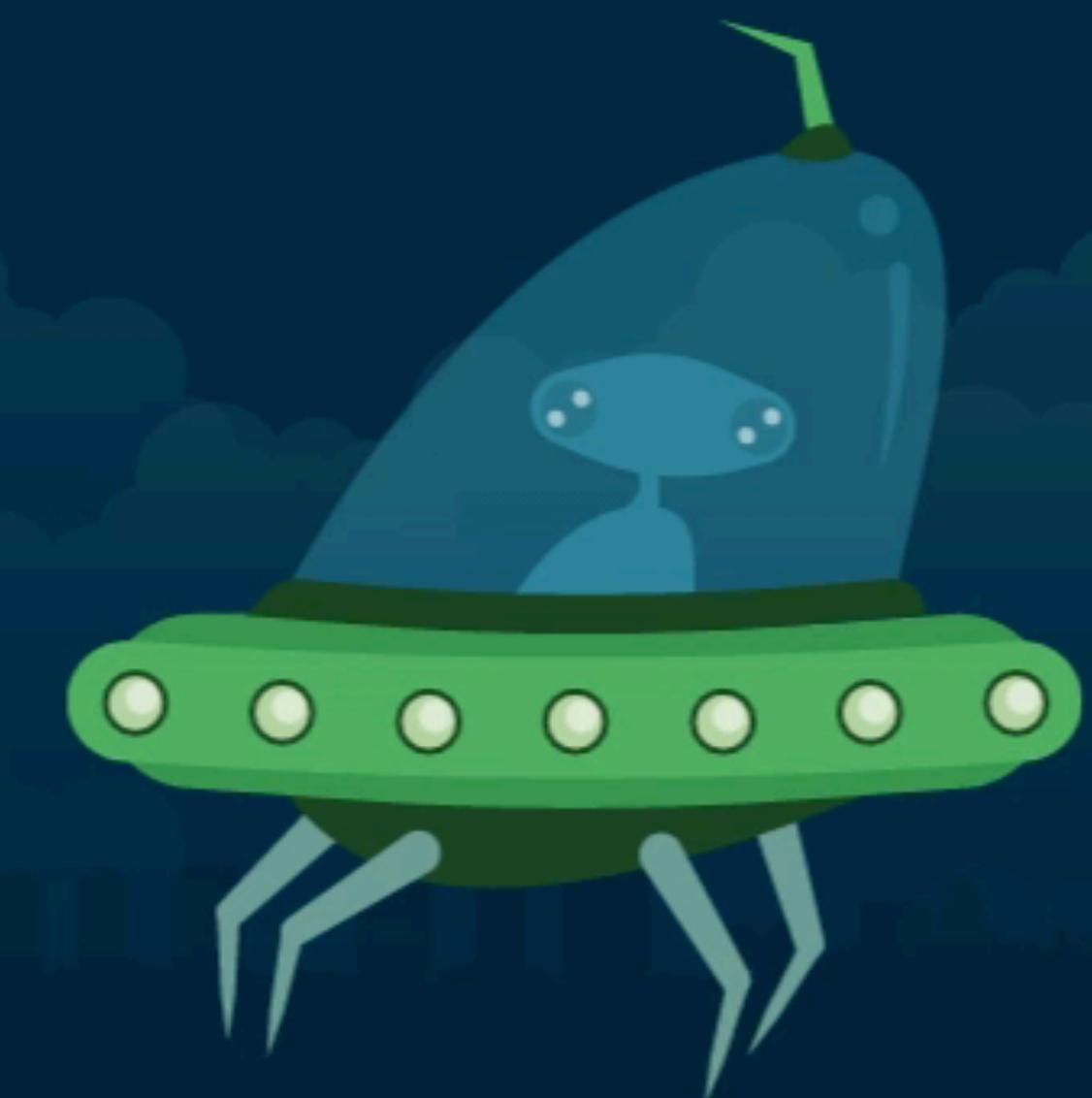
```
@keyframes float {
    0% {transform: translate(0px, 0px) rotate(0deg)}
    50% {transform: translate(20px, 80px) rotate(0deg)}
    100% {transform: translate(50px, -20px) rotate(5deg)}
}

.spaceship {
    animation: float 2.8s infinite alternate ease-in-out;
}
```

BACKGROUNDS EM SVG

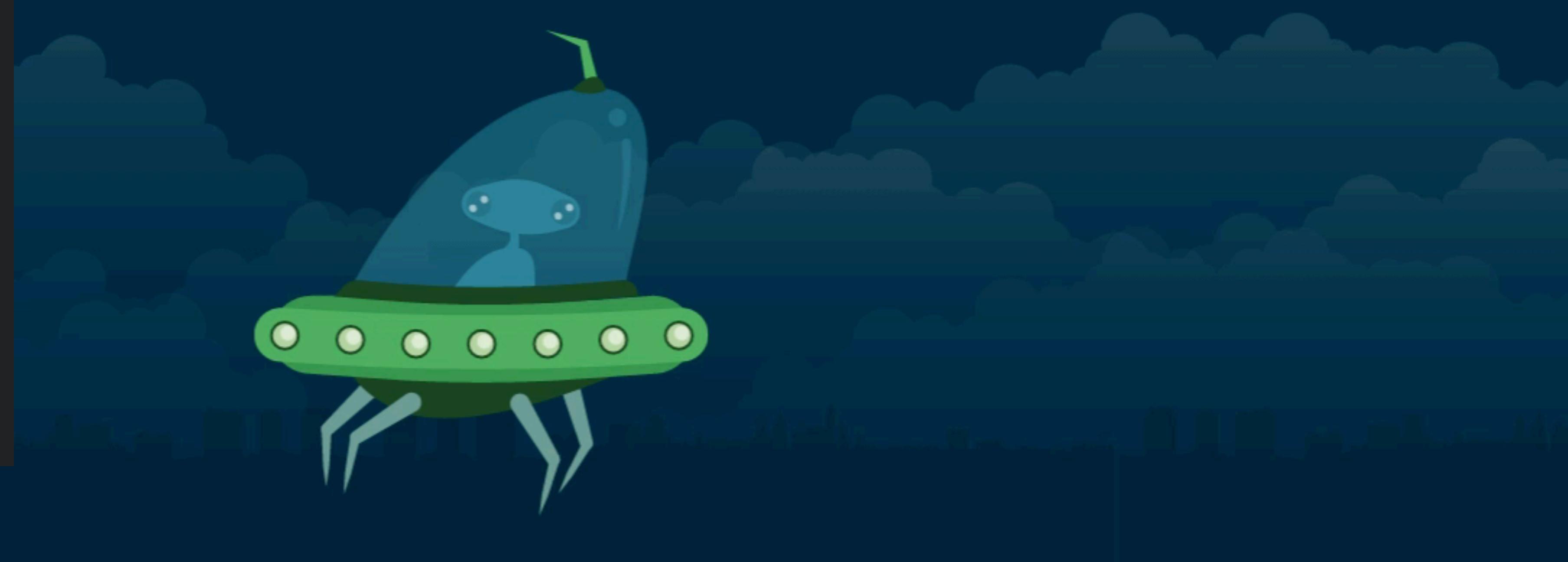


BACKGROUNDS EM SVG



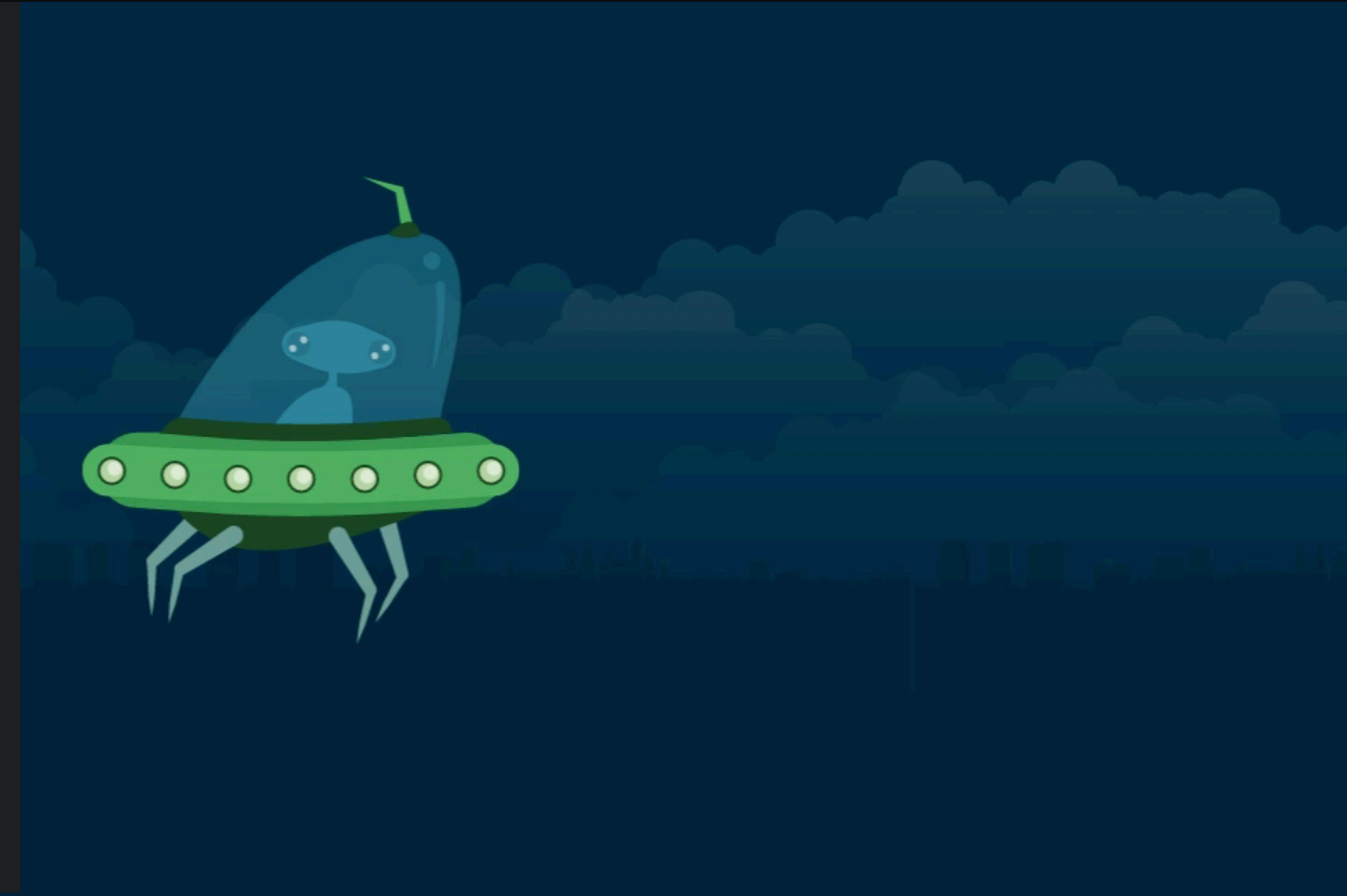
BACKGROUNDS EM SVG

```
<div class="background">
  <ul class="cloud">
    <li></li>
    <li></li>
    <li></li>
  </ul>
  <div class="city"></div>
</div>
```



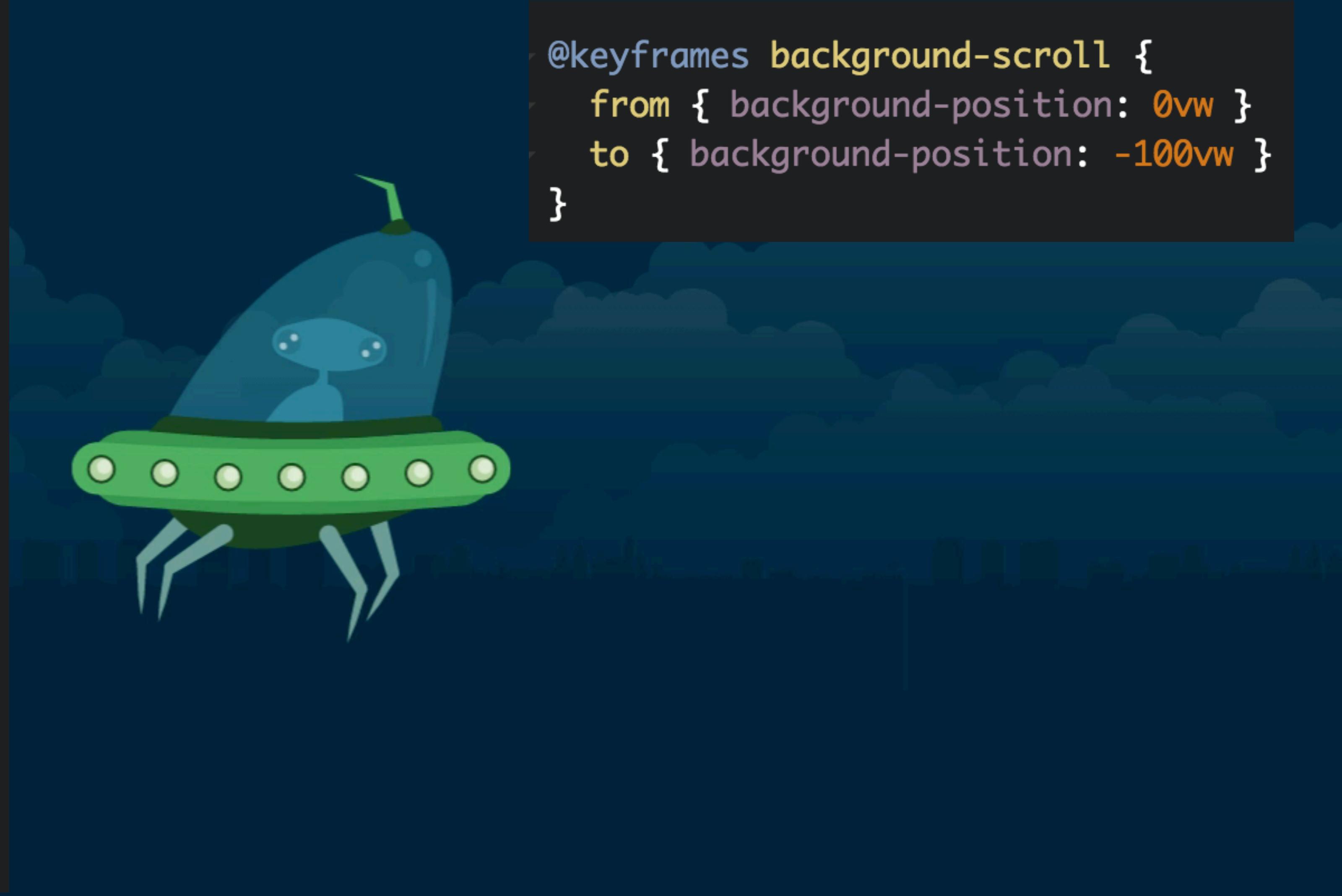
BACKGROUNDS EM SVG

```
.cloud {  
width: 100vw;  
  
@for $i from 1 through 3 {  
$new-position: 10*$i;  
  
li:nth-of-type(#{$i}) {  
background-image: url("clouds.svg");  
width: 100vw;  
height: 100vh;  
top: -(#{$new-position})+(vh);  
animation-direction: normal;  
animation-iteration-count: infinite;  
animation-name: background-scroll;  
animation-timing-function: linear;  
animation-duration: (10*$i)+(s);  
opacity: (.25*$i);  
}  
}
```



BACKGROUNDS EM SVG

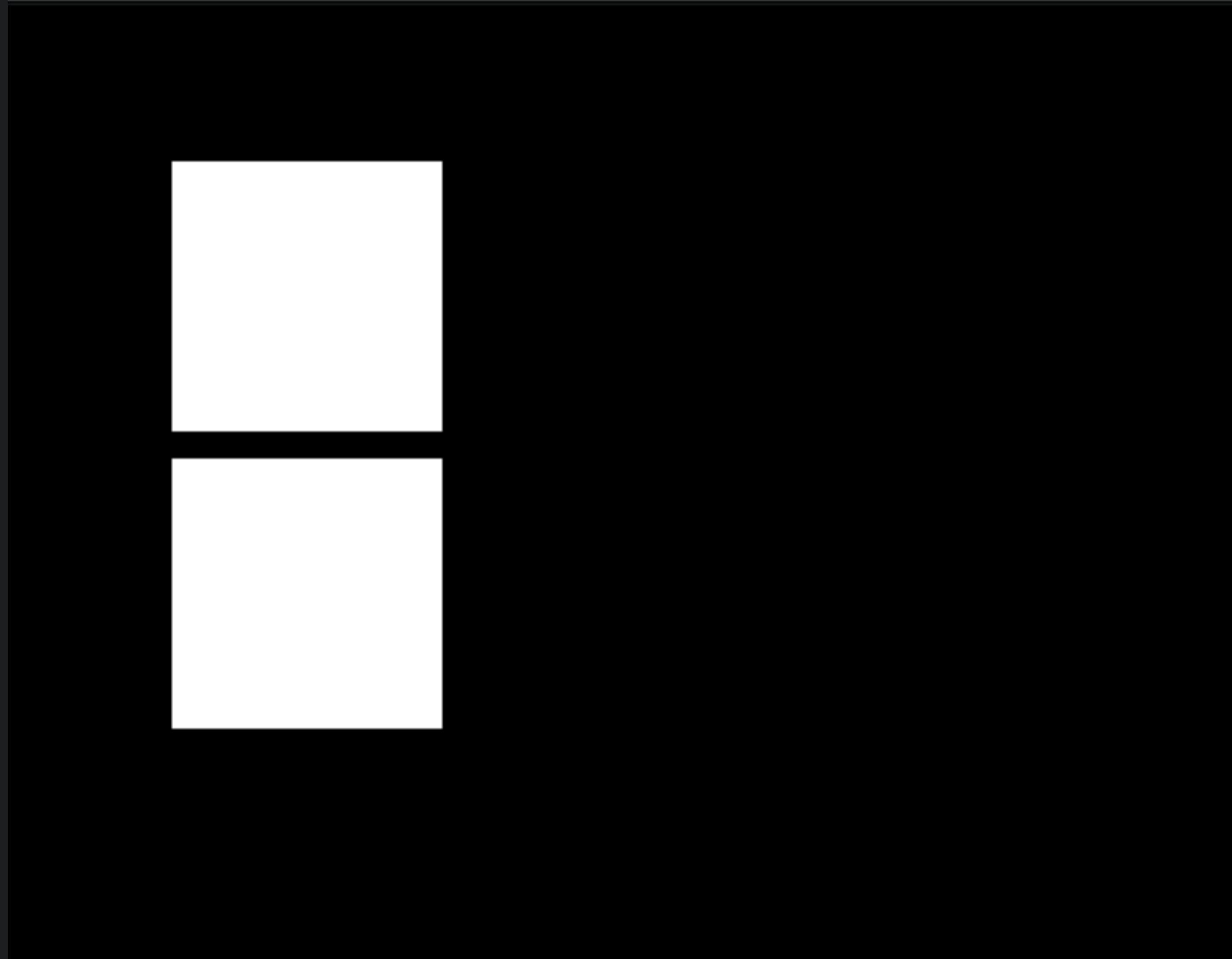
```
.cloud {  
width: 100vw;  
  
@for $i from 1 through 3 {  
$new-position: 10*$i;  
  
li:nth-of-type(#{$i}) {  
background-image: url("clouds.svg");  
width: 100vw;  
height: 100vh;  
top: -(#{$new-position})+(vh);  
animation-direction: normal;  
animation-iteration-count: infinite;  
animation-name: background-scroll;  
animation-timing-function: linear;  
animation-duration: (10*$i)+(s);  
opacity: (.25*$i);  
}  
}
```



```
@keyframes background-scroll {  
from { background-position: 0vw }  
to { background-position: -100vw }  
}
```

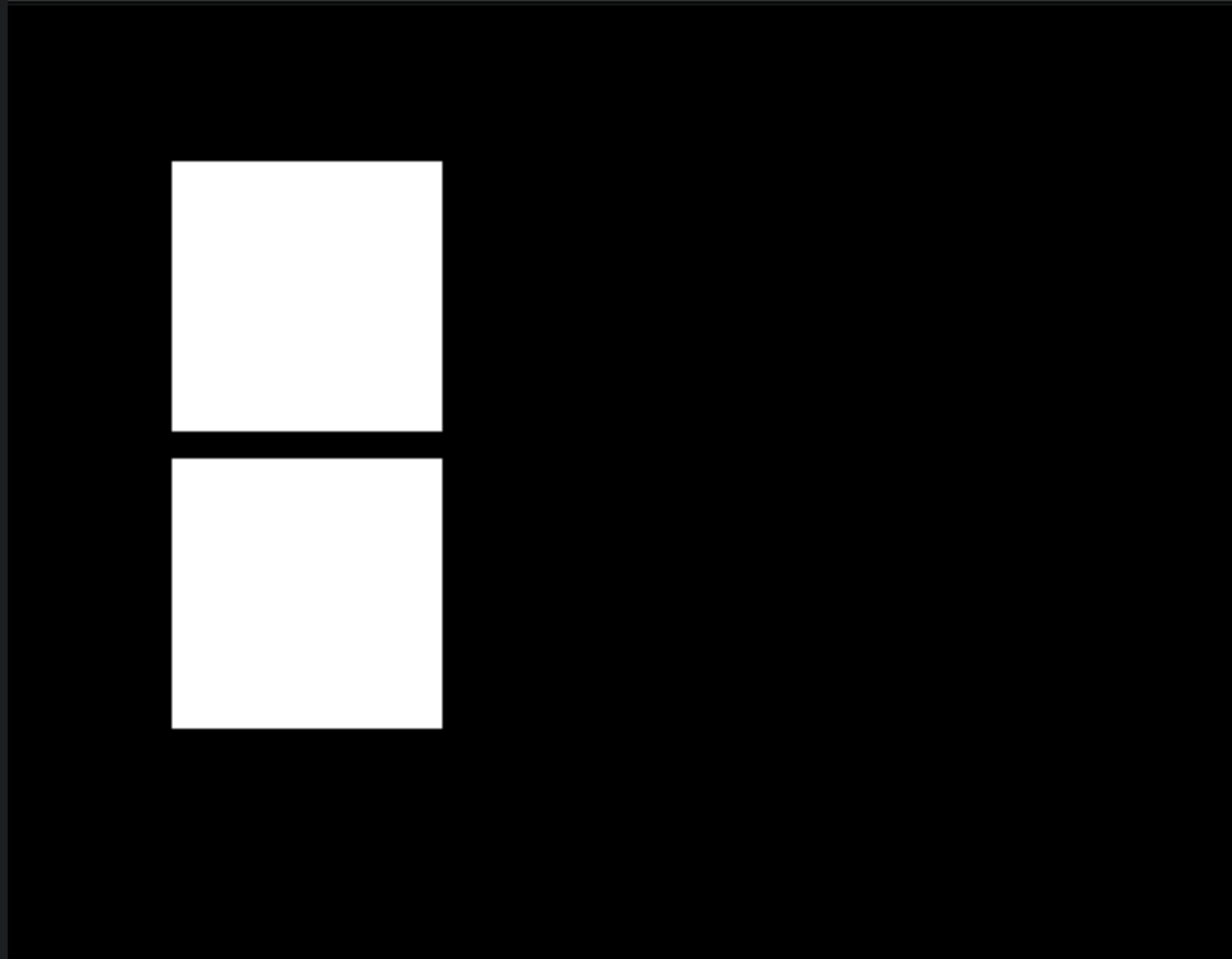
CSS TRANSITIONS

```
.box--1 {  
  transition: background .5s linear 0.1s;  
  background: $white;  
  
  &:hover {  
    background: $blue;  
  }  
}  
  
▼ .box--2 {  
  transition: all .5s linear 0.1s;  
  
  &:hover {  
    box-shadow: inset 10px 10px 10px $blue;  
    width: 200px;  
  }  
}
```



CSS TRANSITIONS

```
.box--1 {  
  transition: background .5s linear 0.1s;  
  background: $white;  
  
  &:hover {  
    background: $blue;  
  }  
}  
  
▼ .box--2 {  
  transition: all .5s linear 0.1s;  
  
  &:hover {  
    box-shadow: inset 10px 10px 10px $blue;  
    width: 200px;  
  }  
}
```



INTERAÇÕES COM JS - HTML

```
<div class="wrapper">
  <div id="steps" class="steps">

    <div id="step-1" class="step-content">
      
      <div class="steps_description"><span>Primeiro Dia</span>Levantamento de capital
        <div id="read-more"><a href="#link2">Saiba mais</a></div>
      </div>
    </div>

    <div id="step-2" class="step-content">...
    <div id="step-3" class="step-content">...
    <div id="step-4" class="step-content">...
    <div id="step-5" class="step-content">...
    <div id="step-6" class="step-content">...

    <div id="steps-menu" class="step-1">
      <ul>
        <li class="is-active"><a id="link1" href="#step-1">1</a></li>
        <li><a id="link2" href="#step-2">2</a></li>
        <li><a id="link3" href="#step-3">3</a></li>
        ...
      </ul>
    </div>
  </div>
</div>
```



INTERAÇÕES COM JS - HTML

```
<div class="wrapper">
  <div id="steps" class="steps">

    <div id="step-1" class="step-content">
      
      <div class="steps__description"><span>Primeiro Dia</span>Levantamento de capital
        <div id="read-more"><a href="#link2">Saiba mais</a></div>
      </div>
    </div>

    <div id="step-2" class="step-content">...
    <div id="step-3" class="step-content">...
    <div id="step-4" class="step-content">...
    <div id="step-5" class="step-content">...
    <div id="step-6" class="step-content">...

    <div id="steps-menu" class="step-1">
      <ul>
        <li class="is-active"><a id="link1" href="#step-1">1</a></li>
        <li><a id="link2" href="#step-2">2</a></li>
        <li><a id="link3" href="#step-3">3</a></li>
        ...
      </ul>
    </div>
  </div>
```



INTERAÇÕES COM JS - SCSS

```
@for $i from 1 through 6 {  
  $new-angle: (60*$i)-$angle;  
  ul li:nth-of-type(#{$i}) {  
    transform: rotate(#{$new-angle}deg);  
    a {  
      transform: rotate(#{$-new-angle}deg);  
    }  
  }  
}
```



INTERAÇÕES COM JS - SCSS

```
@for $i from 1 through 6 {  
  $new-angle: (60*$i)-$angle;  
  ul li:nth-of-type(#{$i}) {  
    transform: rotate(#{$new-angle}deg);  
    a {  
      transform: rotate(#{$-new-angle}deg);  
    }  
  }  
}
```



INTERAÇÕES COM JS - SCSS

```
$angle-list: step-1 -202, step-2 -144, step-3 -82, step-4 -22, step-5 38,  
step-6 96;  
  
@each $step, $angle in $angle-list {  
  .#{$step} {  
    @for $i from 1 through 6 {  
      $new-angle: (60*$i)-$angle;  
      ul li:nth-of-type(#{$i}) {  
        transform: rotate(#{$new-angle}deg);  
        a {  
          transform: rotate(#{-$new-angle}deg);  
        }  
      }  
    }  
  }  
}
```



INTERAÇÕES COM JS - SCSS

```
$angle-list: step-1 -202, step-2 -144, step-3 -82, step-4 -22, step-5 38,  
step-6 96;  
  
@each $step, $angle in $angle-list {  
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      $new-angle: (60*$i)-$angle;  
      ul li:nth-of-type(#{$i}) {  
        transform: rotate(#{$new-angle}deg);  
        a {  
          transform: rotate(#{-$new-angle}deg);  
        }  
      }  
    }  
  }  
}
```



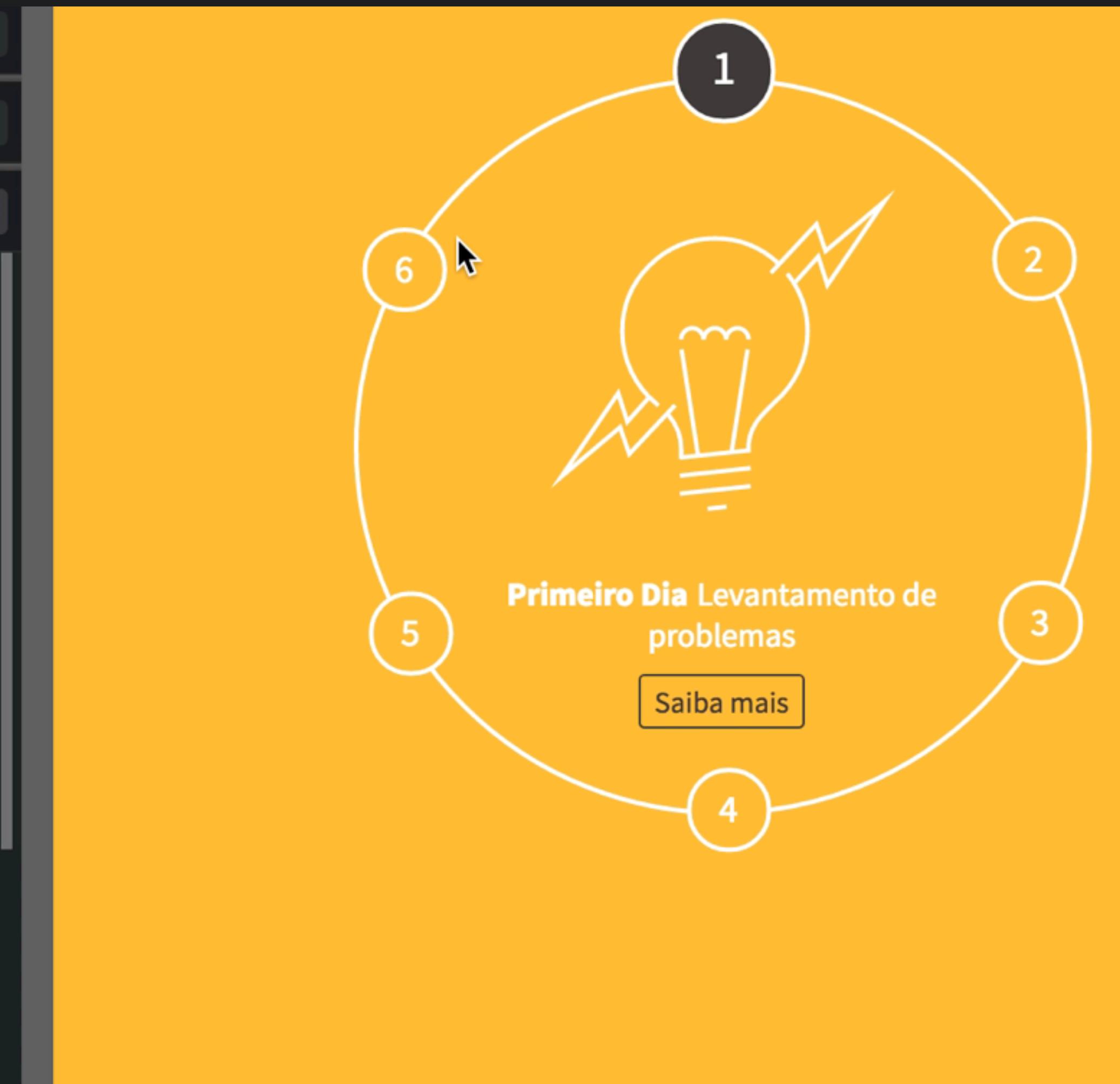
INTERAÇÕES COM JS - JS

HTML (Jade)

CSS (SCSS)

JS

```
1 $(document).ready(function() {
2   $("#steps-menu a").click(function(event) {
3
4     $(this).parent().addClass("is-active");
5     $(this).parent().siblings().removeClass("is-active");
6
7     // var step = $(this).attr("href");
8     // $(".step-content").not(step).css("display", "none");
9     // $(step).fadeToggle();
10
11    // Rotates the wheel
12    // $("#steps-menu").removeClass();
13    // var stepClass = step.charAt(6);
14    // $("#steps-menu").addClass("step-" + stepClass);
15
16  });
17}
```



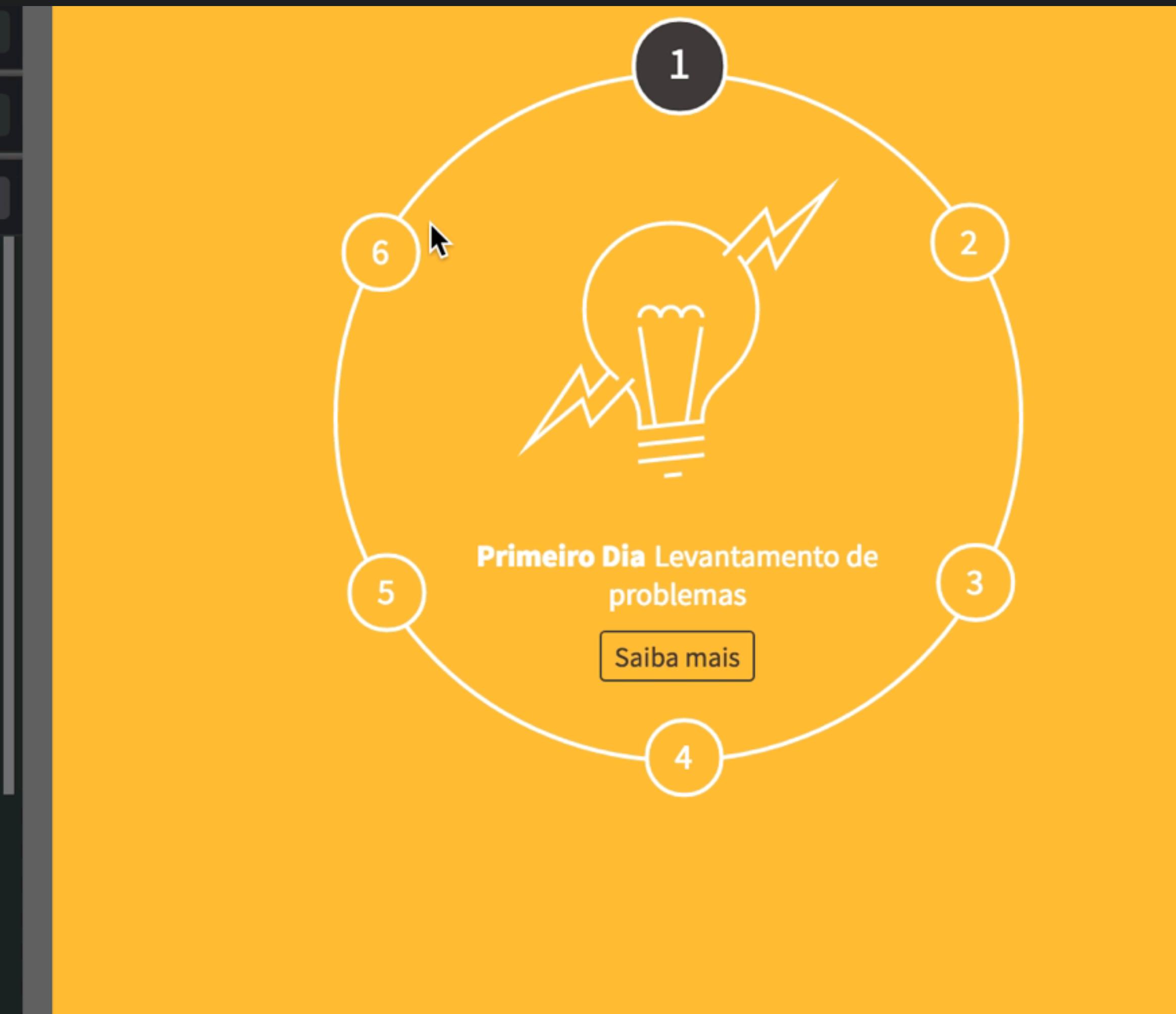
INTERAÇÕES COM JS - JS

HTML (Jade)

CSS (SCSS)

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14    // $("#steps-menu").addClass("step-" + stepClass);  
15  
16  });  
17}
```



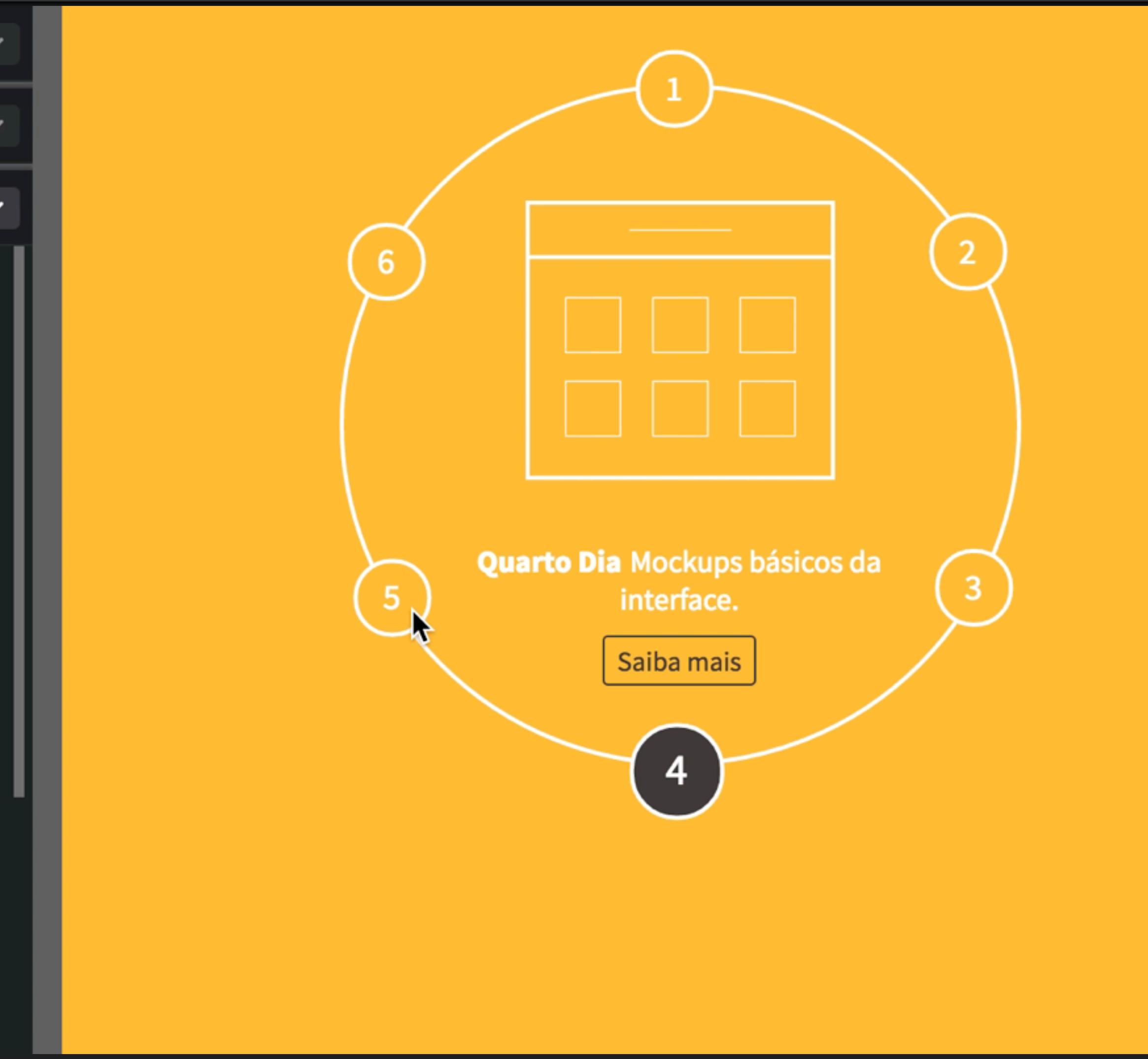
INTERAÇÕES COM JS - JS

HTML (Jade)

CSS (SCSS)

JS

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14  
15    });  
16});
```



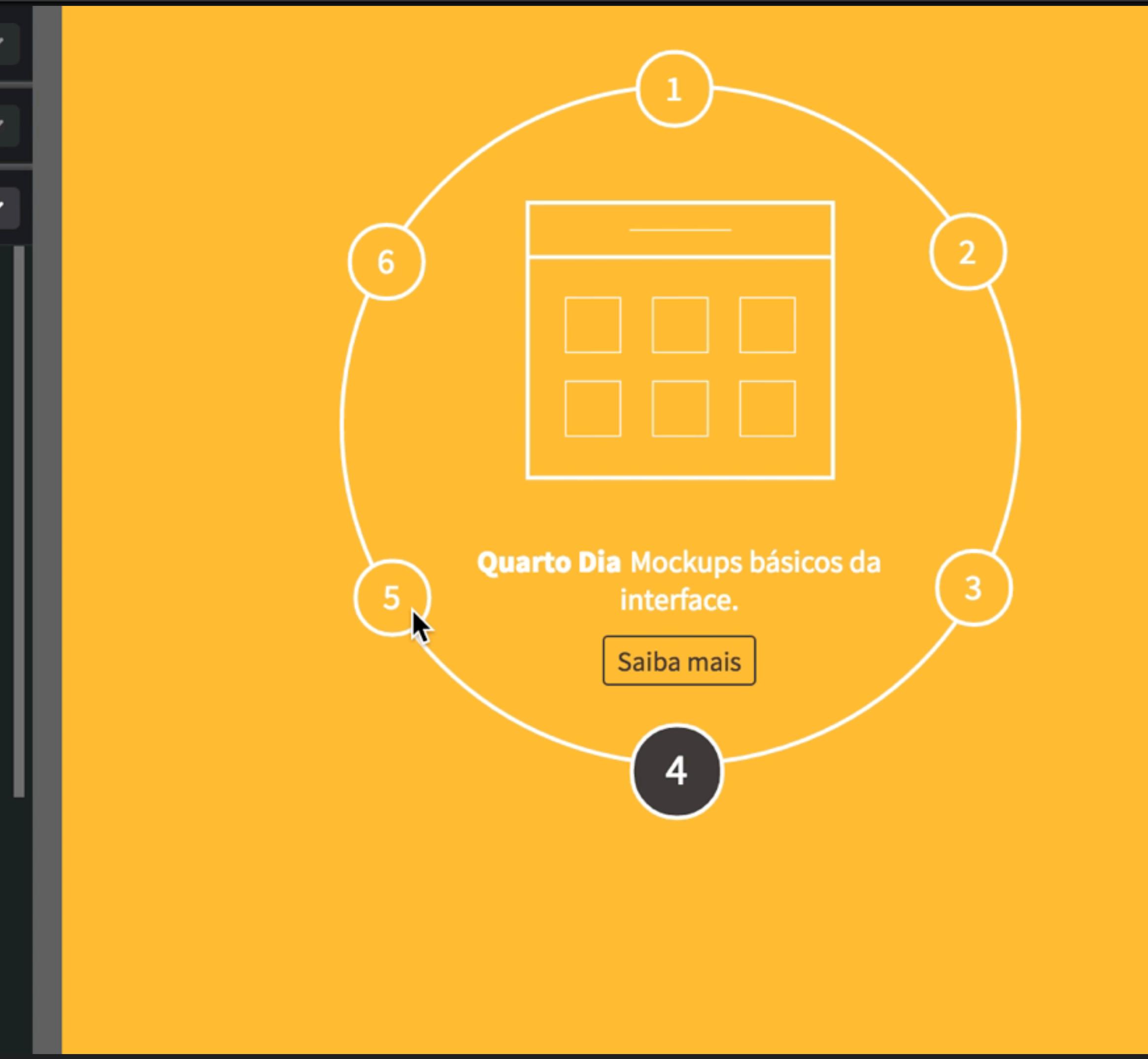
INTERAÇÕES COM JS - JS

HTML (Jade)

CSS (SCSS)

JS

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13        // $("#steps-menu").addClass("step-" + stepClass);  
14  
15    });  
16});
```



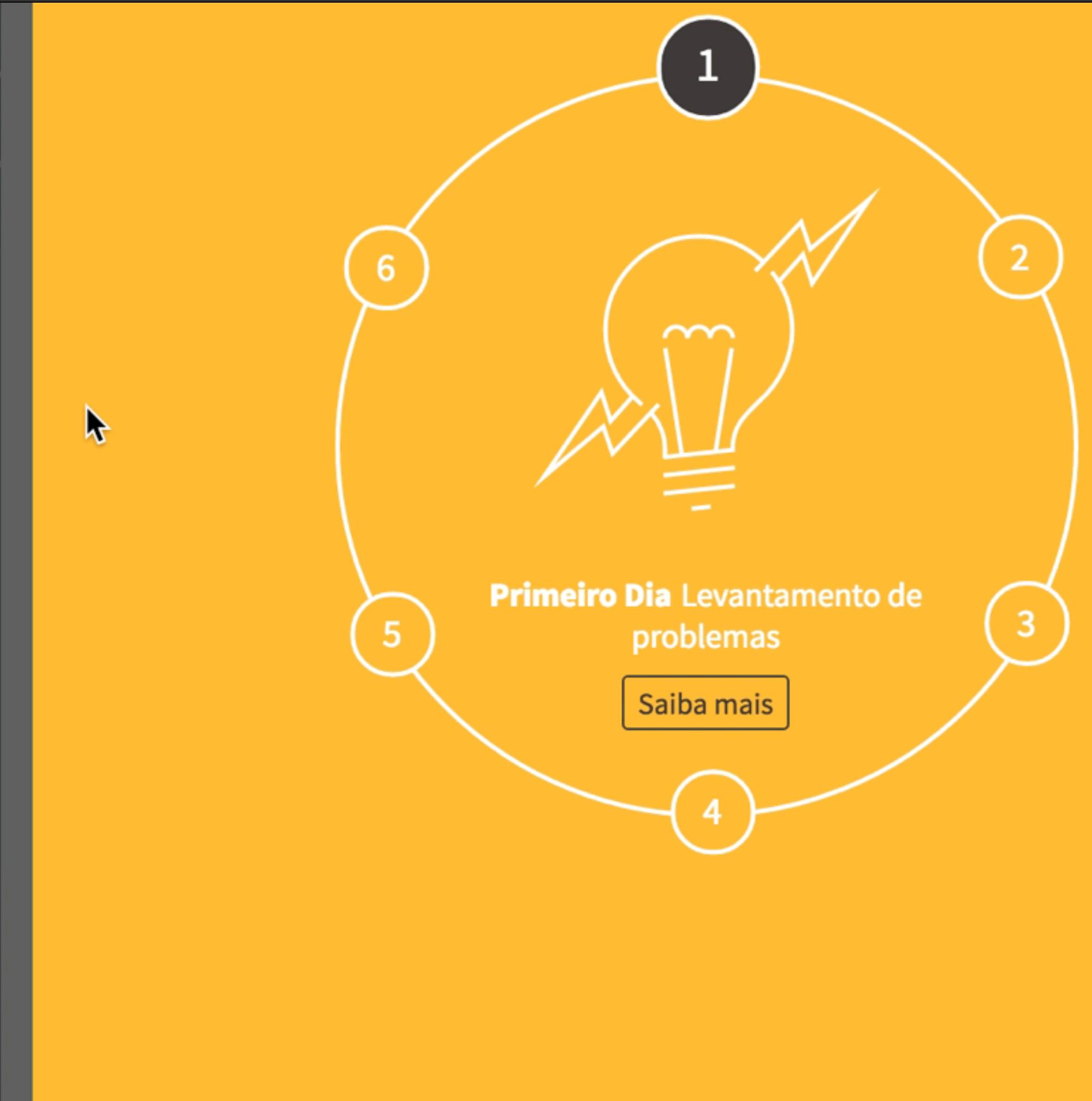
INTERAÇÕES COM JS - JS

HTML (Jade)

CSS (SCSS)

JS

```
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13    $("#steps-menu").addClass("step-" + stepClass);
14
15  });
16
17
```



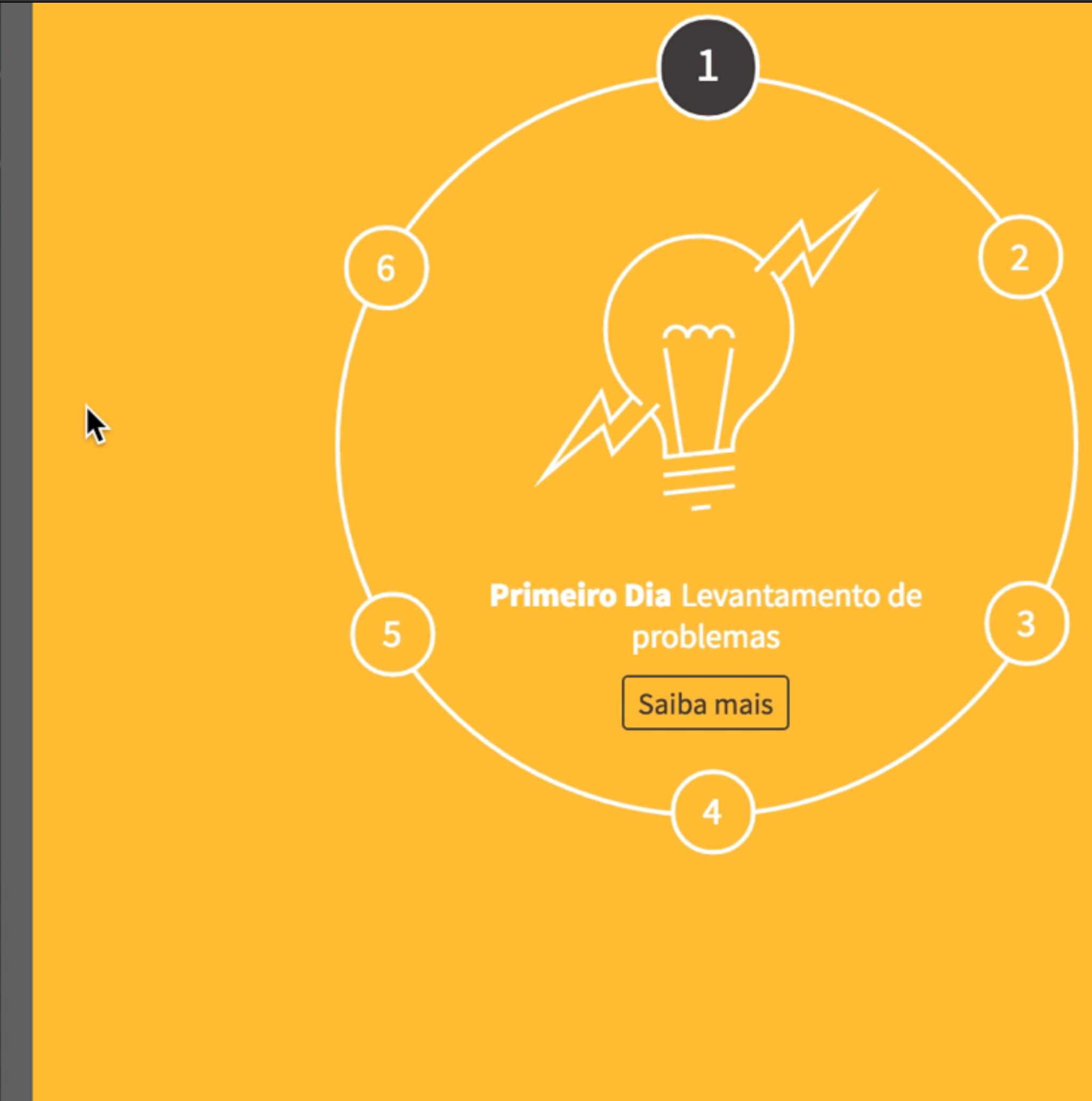
INTERAÇÕES COM JS - JS

HTML (Jade)

CSS (SCSS)

JS

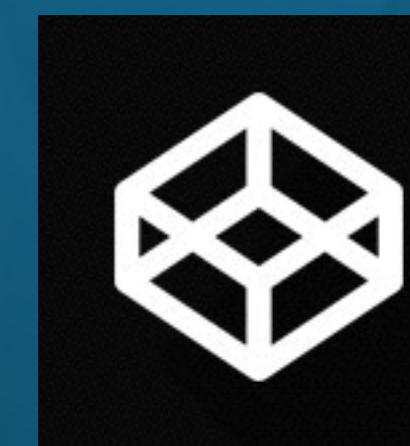
```
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13    $("#steps-menu").addClass("step-" + stepClass);
14
15  });
16
17
```





CRIANDO INTERFACES INTERATIVAS COM SVG + SASS + JAVASCRIPT

Krystal Campioni



@krystalcampioni