Disciplina: Fundamento de CSS

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1) **Crie uma barra de navegação similar a figura abaixo.**

#Dica: utilize os conceitos de bordas, display e cores

2) **Use as regras do flexbox para criar esse estilo de cabeçalho de página da web muito comum. O benefício de usar o flex aqui é que tudo deve ser flexível. Considere o código inicial.**

```html
<!-- HTML -->
<!DOCTYPE html>
<html lang="pt-br">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Flex Header</title>
</head>
  <body>
    <div class="header">
      <div class="left-links">
        <ul>
          <li><a href="#">HOME</a></li>
          <li><a href="#">ABOUT</a></li>
          <li><a href="#">CONTACT</a></li>
        </ul>
      </div>
      <div class="logo">LOGO</div>
      <div class="right-links">
        <ul>
          <li><a href="#">FORUM</a></li>
          <li><a href="#">FONE</a></li>
          <li><a href="#">MANUAL</a></li>
        </ul>
      </div>
    </div>
  </body>
</html>
```

```css
/* CSS inicial */
.header  {
  font-family: monospace;
  background: #0B6D1E;
}

.logo {
  font-size: 48px;
  font-weight: 900;
  color: thistle;
  background: white;
  padding: 4px 32px;
}

ul {
  /* remove os pontos da lista de items*/
  list-style-type: none;
}

a {
  font-size: 22px;
  background: white;
  padding: 8px;
  /* remove o sublinhado dos links */
  text-decoration: none;
}
```
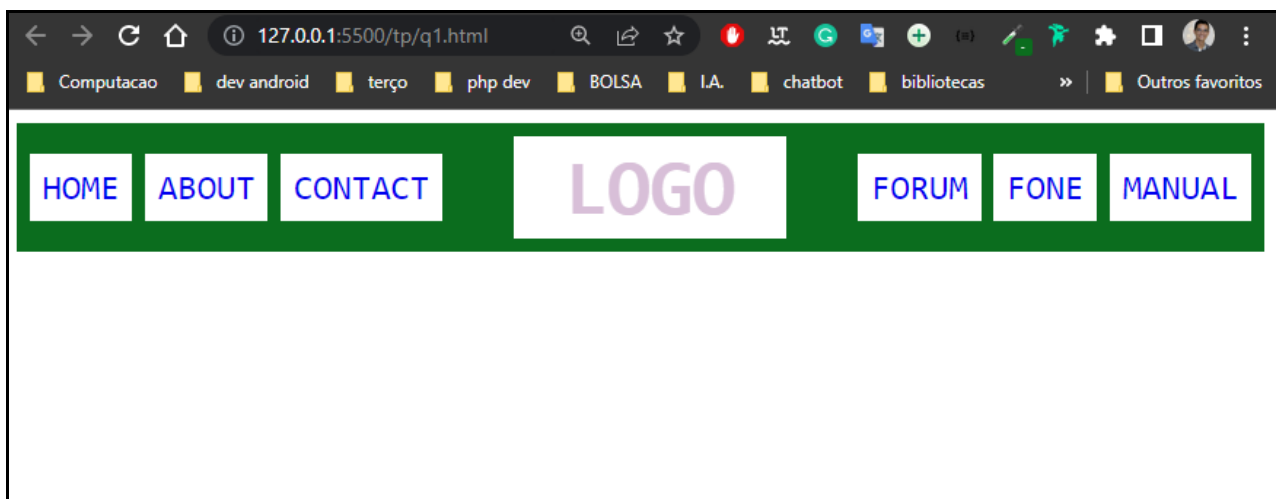
#DICAS: Além dos métodos de Display Flex, utilize o padding 8px na classe header, e no seletor ul utilize gap: 8px

#Resultado esperado

3) Use as regras do flexbox para criar esse estilo. O objetivo deste exercício é recriar uma seção encontrada em muitos sites informativos. Considere o código inicial

```html
<!-- HTML -->
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Information</title>
  </head>
  <body>
    <div class="title">Information!</div>

    <div class="container">
      <div class="info">
        <img src="https://cdn-icons-png.flaticon.com/512/4788/4788086.png"
alt="barberry">
        <div class="text">This is a type of plant. We love this one.</div>
      </div>
      <div class="info">
        <img src="https://cdn-icons-png.flaticon.com/512/4087/4087074.png"
alt="chili">
        <div class="text">This is another type of plant. Isn't it nice?</div>
      </div>
      <div class="info">
        <img src="https://cdn-icons-png.flaticon.com/512/3136/3136999.png"
alt="pepper">
        <div class="text">We have so many plants. Yay plants.</div>
      </div>
      <div class="info">
        <img src="https://cdn-icons-png.flaticon.com/512/5930/5930514.png"
alt="saffron">
        <div class="text">I'm running out of things to say about plants.</div>
      </div>
    </div>


    <div class="footer">
      <div>Icons made by <a
href="https://www.flaticon.com/authors/icongeek26"></a> from <a
href="https://www.flaticon.com/" title="Flaticon">www.flaticon.com</a></div>
    </div>
  </body>
</html>
```
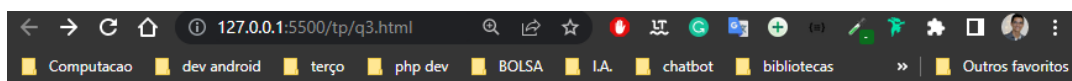
```
/* CSS inicial */
body {
  font-family: Arial, Courier, monospace;
}
img {
  width: 100px;
  height: 100px;
}
.title {
  font-size: 36px;
  font-weight: 900;
}
/* do not edit this footer */
.footer {
  position: fixed;
  bottom: 0;
  left: 0;
  right: 0;
  height: 52px;
  display: flex;
  align-items: center;
  justify-content: center;
  background: #eee;
}
```

#Resultado esperado

4) Use as regras do Grid Layout para criar esse estilo. O objetivo fazer um Layout usando apenas o Grid. Considere o código inicial.

```html
<!-- HTML -->

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>The Holy Grail</title>
</head>
  <body>
    <div class="container">
      <div class="header">Header</div>
      <div class="sidebar">Sidebar</div>
      <div class="nav">Nav</div>
      <div class="article">Article
        <p>Lorem  ipsum dolor sit amet, consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim
veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum
dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident,
sunt in culpa qui officia deserunt mollit anim id est laborum.</p>
        <p>Pellentesque habitant morbi tristique senectus et netus et malesuada
fames ac turpis egestas. Curabitur bibendum turpis quis interdum semper. Sed at
pharetra neque, nec lacinia diam. Suspendisse quis faucibus mi, aliquam porttitor
ipsum. Vivamus condimentum eros id mattis pharetra. Duis varius eros nibh. Donec
a venenatis eros. Fusce in mauris massa. Donec est metus, rhoncus eu leo sed,
aliquet posuere nisl.</p>
        <p>Cras ut ex in nibh accumsan ullamcorper. Fusce rutrum, metus id porta
porttitor, leo ipsum congue velit, eu hendrerit lectus nisi a odio. Pellentesque
tristique eros id nibh finibus euismod. Cras suscipit volutpat elit eget
pulvinar. Vivamus at blandit leo. Aenean sodales ex non massa efficitur, et
egestas neque dapibus. In consequat hendrerit ex, nec finibus magna faucibus eu.
Aliquam a libero non erat sollicitudin condimentum. In ac fringilla nisi. Sed
pharetra ut turpis id luctus. Proin posuere tortor ac tempus luctus. Donec vitae
est et neque faucibus posuere. Class aptent taciti sociosqu ad litora torquent
per conubia nostra, per inceptos himenaeos.</p>
      </div>
      <div class="footer">Footer</div>
    </div>
  </body>
</html>
```
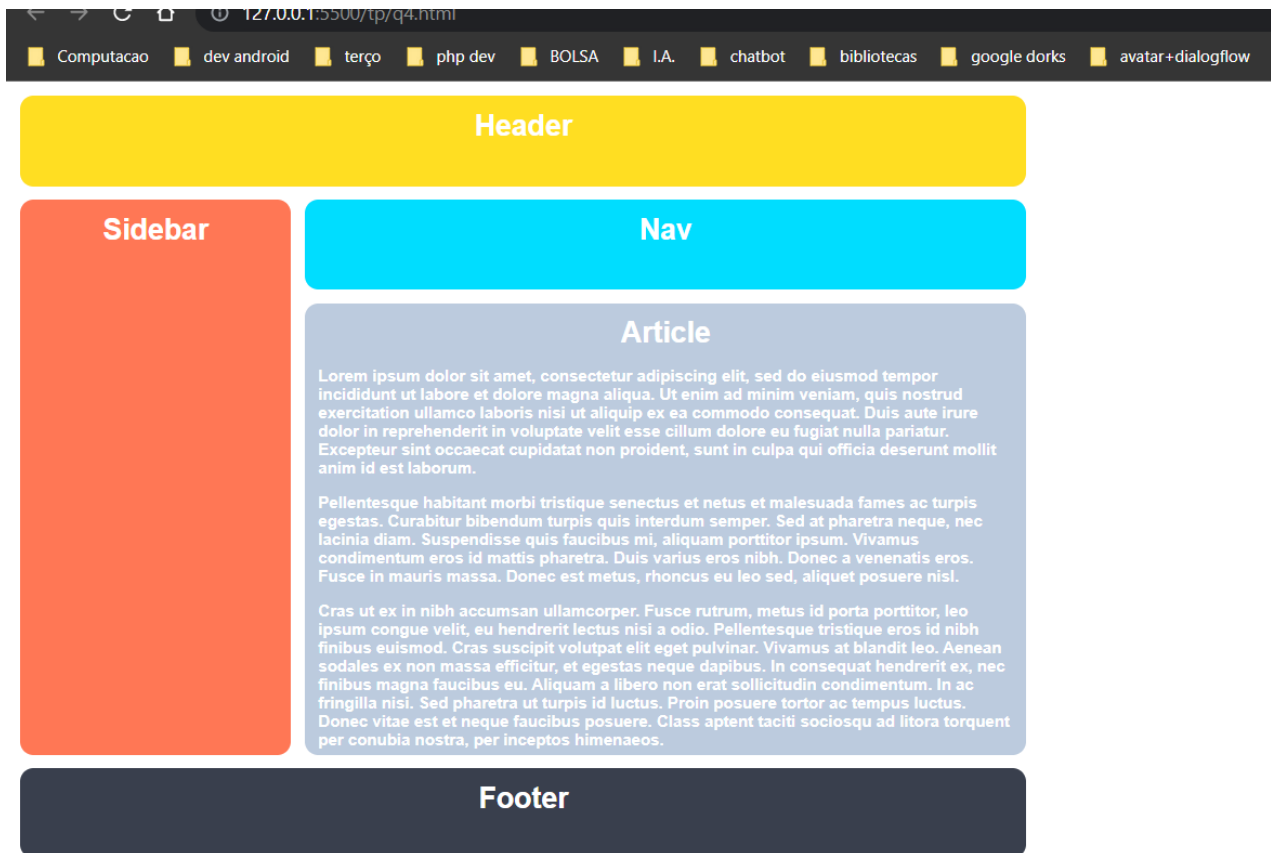
```css
body, html {
    height: 100%;
    margin: 0;}

.container {
    text-align: center;
    height: 100%;
    padding: 16px;
    box-sizing: border-box;}

.container div {
     padding: 15px;
    font-size: 32px;
    font-family: Helvetica;
    font-weight: bold;
    color: white;
    border-radius: 15px;}

.header {
  background-color: #FFDE22;}

.sidebar {
    background-color: #FF7755;}

.nav {
    background-color: #00DDFF;}

.article {
    background-color: #bccbde;}

 .article p {
    font-size: 18px;
    font-family: sans-serif;
    color: white;
    text-align: left;}

 .footer {
     background-color: #393f4d;}
```

#DICA(s):

- O Grid-template-column possui duas colunas 300px 800px;

- Grid-template-rows possui 4 medidas 100px 100px 500px 100px

- Gap de 15px

#Resultado esperado

5) O objetivo desta atividade, é utilizar as técnicas de Media Query. Considere o código abaixo.

```html
<!-- HTML --!>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document Youtube</title>
</head>
<body>
    <main>
      <section class="video-grid">
        <div class="video-preview">
          <div class="thumbnail-row">
            <img class="thumbnail"
src="https://content.wepik.com/statics/8315911/preview-page0.jpg">
            <div class="video-time">10:13</div>
          </div>
          <div class="video-info-grid">
            <div class="channel-picture">
```

```html
            <img class="profile-picture" src="https://m.media-
amazon.com/images/I/71NjDu6nQOL.png">
          </div>
          <div class="video-info">
            <p class="video-title">
              O Concurso de Miss Universo
            </p>
            <p class="video-author">
              Chavinho
            </p>
            <p class="video-stats">
              6.6M views &#183; 1 year ago
            </p>
          </div>
        </div>
      </div>

      <div class="video-preview">
        <div class="thumbnail-row">
          <img class="thumbnail" src="https://lightmv.com/wp-
content/uploads/2019/12/video-thumbnail-20191213.jpg">
          <div class="video-time">7:12</div>
        </div>
        <div class="video-info-grid">
          <div class="channel-picture">
            <img class="profile-picture" src="https://m.media-
amazon.com/images/I/71NjDu6nQOL.png">
          </div>
          <div class="video-info">
            <p class="video-title">
              Os refrescos do chaves
            </p>
            <p class="video-author">
              Chavinho
            </p>
            <p class="video-stats">
              3.7M views &#183; 10 months ago
            </p>
          </div>
        </div>
      </div>

      <div class="video-preview">
        <div class="thumbnail-row">
          <img class="thumbnail" src="https://jogoveio.com.br/wp-
content/uploads/2020/08/quiz-do-chaves-jogoveio-1536x887.png">
          <div class="video-time">13:17</div>
        </div>
```

```html
          <div class="video-info-grid">
            <div class="channel-picture">
              <img class="profile-picture" src="https://m.media-
amazon.com/images/I/71NjDu6nQOL.png">
            </div>
            <div class="video-info">
              <p class="video-title">
                Faça o quiz do Chaves
              </p>
              <p class="video-author">
                Chavinho
              </p>
              <p class="video-stats">
                20M views &#183; 3 years ago
              </p>
            </div>
          </div>
        </div>

        <div class="video-preview">
          <div class="thumbnail-row">
            <img class="thumbnail" src="https://img.nsctotal.com.br/wp-
content/uploads/2022/10/chaves_7-1.jpg.webp">
            <div class="video-time">7:53</div>
          </div>
          <div class="video-info-grid">
            <div class="channel-picture">
              <img class="profile-picture" src="https://m.media-
amazon.com/images/I/71NjDu6nQOL.png">
            </div>
            <div class="video-info">
              <p class="video-title">
                Chaves deixa a vila
              </p>
              <p class="video-author">
                Chavinho
              </p>
              <p class="video-stats">
                14M views &#183; 1 year ago
              </p>
            </div>
          </div>
        </div>

        <div class="video-preview">
          <div class="thumbnail-row">
            <img class="thumbnail" src="https://cutewallpaper.org/21/thumbnail-
background/Polyaxial-Free-YouTube-Thumbnail-Background-43-Jester.png">
```

```html
            <div class="video-time">4:10</div>
          </div>
          <div class="video-info-grid">
            <div class="channel-picture">
              <img class="profile-picture" src="https://m.media-amazon.com/images/I/71NjDu6nQOL.png">
            </div>
            <div class="video-info">
              <p class="video-title">
                Chaves e sua turma em desenho <3
              </p>
              <p class="video-author">
                Chavinho
              </p>
              <p class="video-stats">
                3M views &#183; 1 year ago
              </p>
            </div>
          </div>
        </div>

        <div class="video-preview">
          <div class="thumbnail-row">
            <img class="thumbnail" src="https://gkpb.com.br/wp-content/uploads/2019/01/chaves-multishow-696x364.jpg">
            <div class="video-time">4:51</div>
          </div>
          <div class="video-info-grid">
            <div class="channel-picture">
              <img class="profile-picture" src="https://m.media-amazon.com/images/I/71NjDu6nQOL.png">
            </div>
            <div class="video-info">
              <p class="video-title">
                40 curiosidades sobre Roberto Gomes Bolaños
              </p>
              <p class="video-author">
                Chavinho
              </p>
              <p class="video-stats">
                12M views &#183; 5 years ago
              </p>
            </div>
          </div>
        </div>
      </section>
    </main>
</body>
```

</html>

```css
/* CSS inicial */
.thumbnail {
    width: 100%;
    height: 35vh;}

.video-title {
    margin-top: 0;
    font-size: 14px;
    font-weight: 600;
    line-height: 20px;
    margin-bottom: 10px;}

.video-info-grid {
    display: grid;
    grid-template-columns: 50px 1fr;}

.profile-picture {
    width: 36px;
    border-radius: 50px;}

.thumbnail-row {
    margin-bottom: 8px;
    position: relative;}

.video-author,
.video-stats {
    font-size: 12px;
    color: rgb(96, 96, 96);}

.video-author {
    margin-bottom: 4px;}

.video-grid {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
    column-gap: 16px;
    row-gap: 40px;}

.video-time {
    font-size: 12px;
    font-weight: 500;
    padding: 4px;
    border-radius: 2px;
    background-color: black;
```

```
    color: white;
    position: absolute;
    bottom: 8px;
    right: 5px;}
```
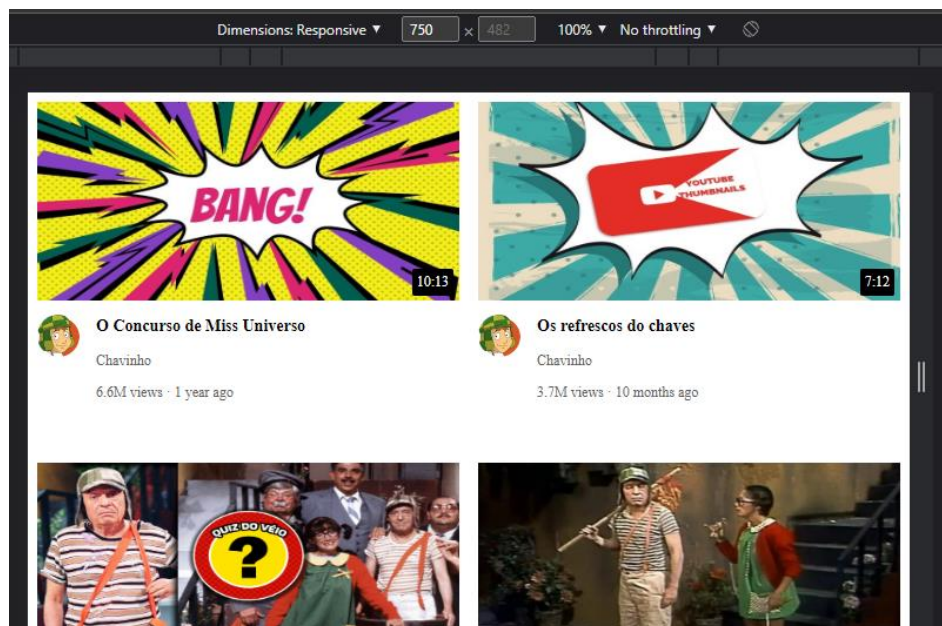
#DICA(s):

- Observe que a página utiliza de Grid Layout para estruturar os elementos

- Na classe vídeo-grid representa o container do Grid

- O Grid utiliza redimensionamento flexível com 3 colunas (1fr, 1fr, 1fr) com gap de 16px e 40px

- Mude o Grid para Screen com no max-width 750px tenha apenas duas colunas flexíveis (1fr, 1fr)

- Mude o Grid para Screen com min-width 751px e max-width 999px tenha três colunas flexíveis (1fr, 1fr, 1fr)

- Mude o Grid para Screen com min-width 1000px tenha quatro colunas flexíveis (1fr, 1fr, 1f, 1fr)
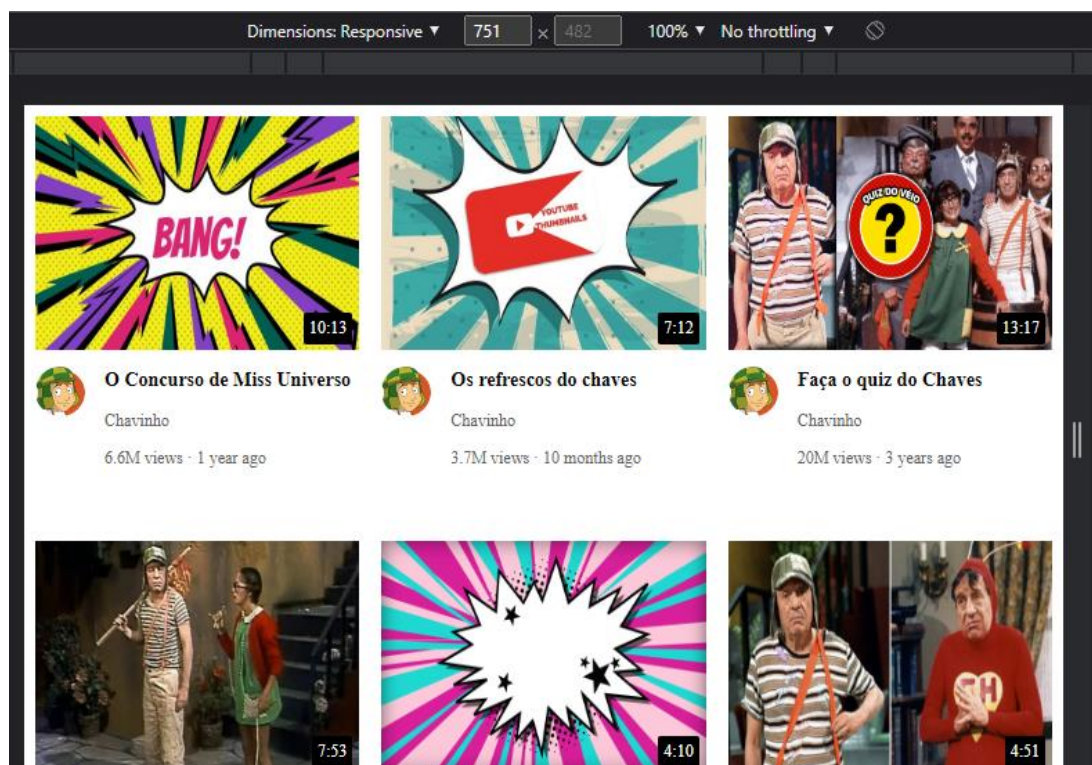
#Lembrete:

- Utilize a ferramenta de desenvolvedor do Navegador Google Chrome ou Firefox para visualizar os resultados e testar os redimensionamentos.

- Copiar e colar o código do PDF pode ocasionar alguns erros. Certifique de que não há caracteres especiais.

- Se houver problemas com carregamento de imagem, fique livre para inserir outras imagens. O importante é não quebrar o fluxo do layout.
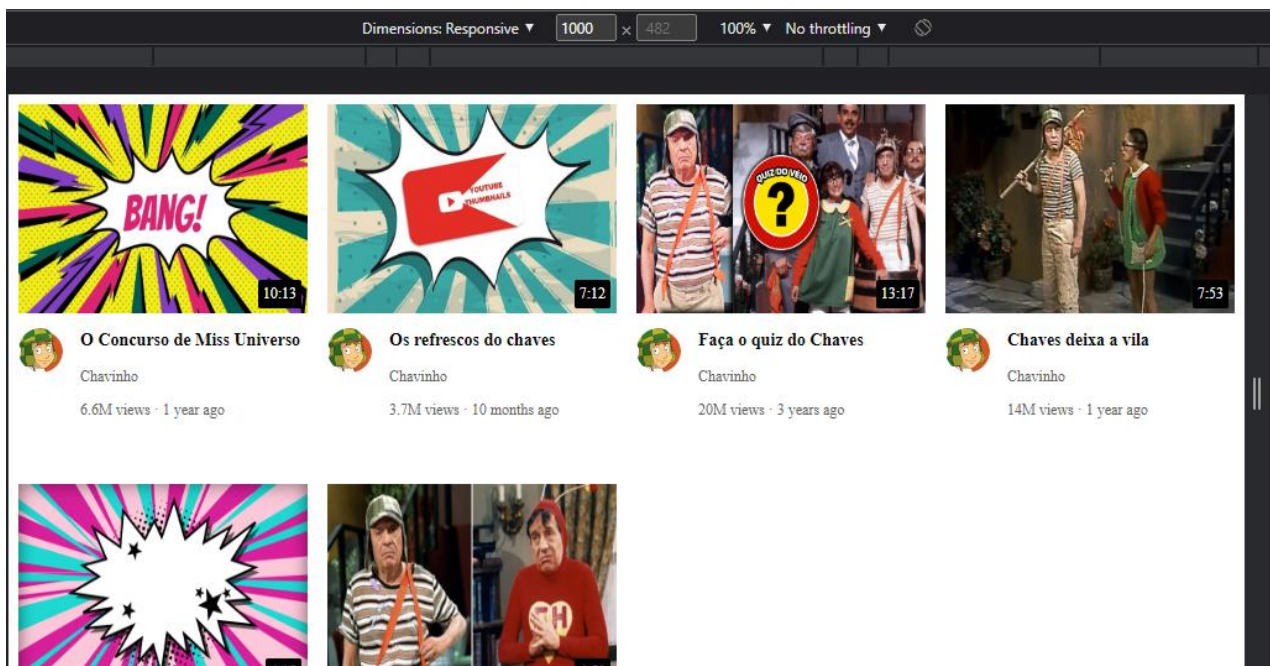
#Resultado esperado:

- Media Query (max-width 750px)

- Media Query (min-width 751px)

- Media Query (min-width 1000px)

PARA PRATICAR!

- https://www.w3docs.com/learn-css.html

- https://scrimba.com/articles/css-practice/

- https://www.w3docs.com/exercise/css/155

- https://www.khanacademy.org/computing/computer-programming/html-css/intro-to-css/pt/css-basics

- https://flexboxfroggy.com/

- https://www.w3schools.com/css/css_examples.asp

- https://www.freecodecamp.org/news/css-box-model-explained-with-examples/

- https://css-tricks.com/almanac/properties/b/box-shadow/