

HTML & CSS

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HTML Elements and Attributes

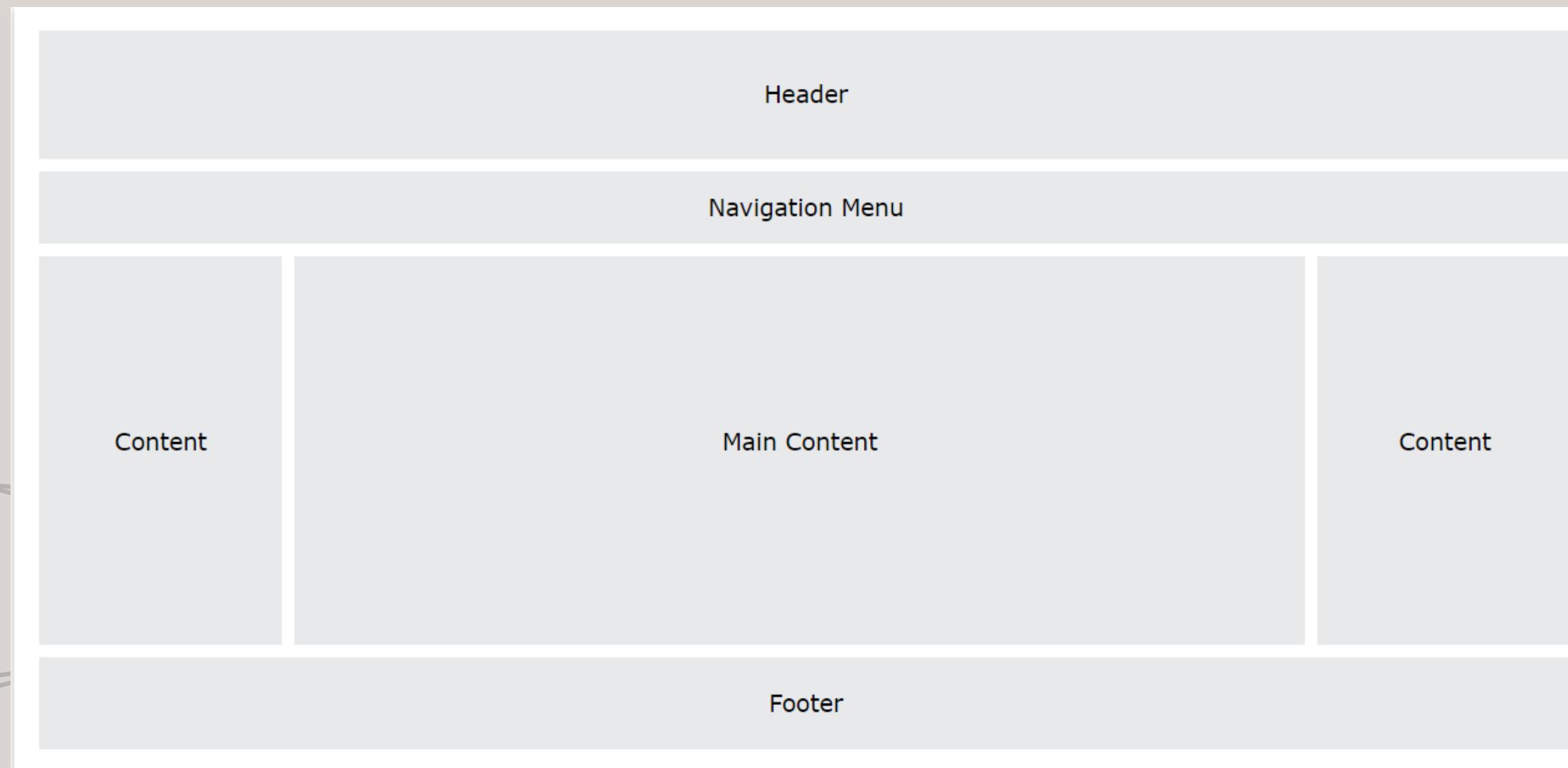


```
1 <a href="https://www.youtube.com/watch?v=T1BMcexUwjE&t=1689s">
2   
3 </a>
```

Elemen HTML terdiri dari open tag, content, dan close tag

Atribut HTML terdapat di dalam sebuah elemen yang bertugas untuk memberikan penjelasan lebih detail. Terdiri dari name dan value

CSS Website Layout



Best practice untuk membuat website.

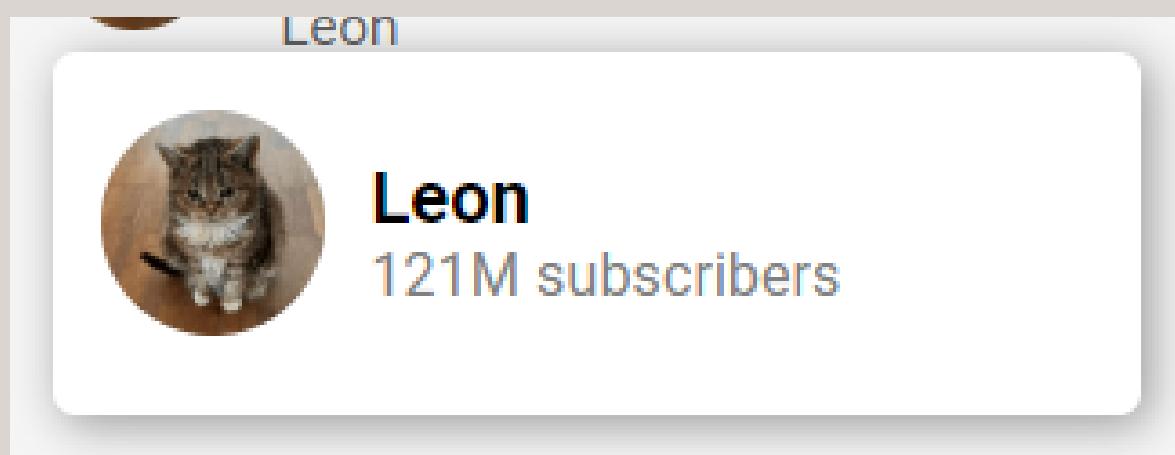
Gunakan HTML tag pada code untuk membuat code menjadi lebih rapi. Contoh tag seperti main, nav, header, dll.

Syntax, Sequence, and Specificity



```
1 <div class="popup-channel">
2   <div>
3     
4   </div>
5   <div>
6     <p class="popup-author">Leon</p>
7     <p class="popup-subs">121M subscribers</p>
8   </div>
9 </div>
```

Hasil:



```
1 .popup-profile-pic {
2   width: 50px;
3   border-radius: 25px;
4 }
5
6 .popup-author {
7   font-weight: bold;
8 }
9
10 .popup-subs {
11   font-size: 13px;
12   color: grey;
13 }
```

Grid and Flexbox

```
● ● ●  
1 .video-grid {  
2   display: grid;  
3   grid-template-columns: 1fr 1fr 1fr;  
4   column-gap: 16px;  
5   row-gap: 40px;  
6 }
```

Hasil:

The image shows a user interface for a video player, likely YouTube, demonstrating the use of CSS Grid and Flexbox. The interface consists of three main video thumbnails arranged horizontally, each with a play button icon in the bottom right corner.

- Thumbnail 1:** Shows two small white cake boxes filled with various cakes, including one with strawberries and cream. Duration: 23:11. Channel: Gingersnap.
- Thumbnail 2:** A collage of various desserts like brownies, cakes, and chocolates. Duration: 40:36. Channel: Silvermist.
- Thumbnail 3:** Shows a large roll cake with green and pink layers and a strawberry filling. Duration: 15:33. Channel: Carlos.

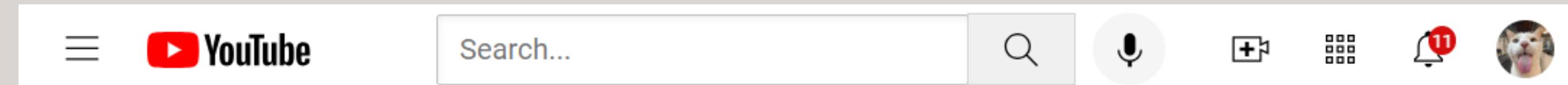
Grid and Flexbox



```
1 .middle-section {  
2   flex: 1;  
3   margin: 0px 35px 0px 70px;  
4   max-width: 600px;  
5   display: flex;  
6   align-items: center;  
7 }
```

Flexbox mirip dengan grid namun lebih fleksibel dan setiap elemen dapat memiliki ukuran yang berbeda saat screen size diubah. Flex digunakan saat ingin membuat layout satu dimensi. Grid digunakan saat ingin membuat layout dua dimensi.

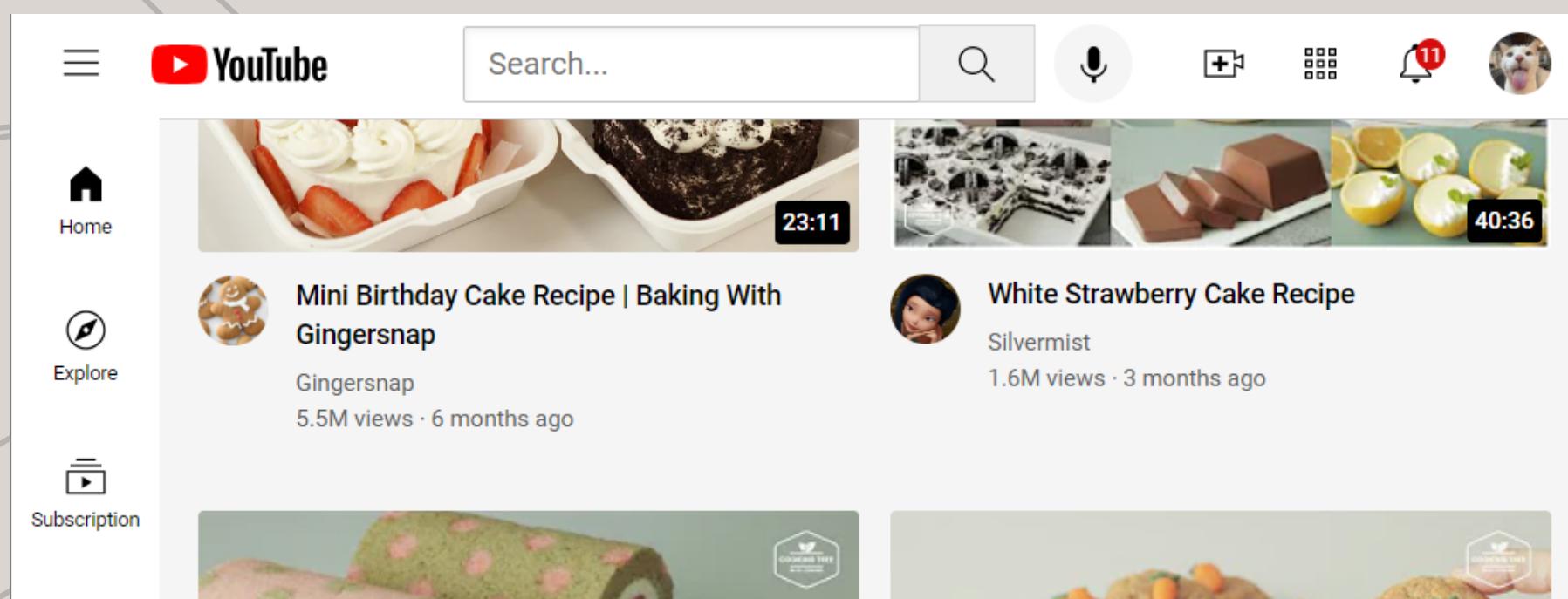
Hasil:



Position

Fixed

```
1 .header {  
2     height: 55px;  
3     display: flex;  
4     flex-direction: row;  
5     justify-content: space-between;  
6     position: fixed;  
7     top: 0;  
8     left: 0;  
9     right: 0;  
10    background-color: white;  
11    border-bottom-width: 1px;  
12    border-bottom-style: solid;  
13    border-bottom-color: rgb(192, 192, 192);  
14    z-index: 100;  
15 }
```



Relative & Absolute

```
1 .thumbnail-row {  
2     margin-bottom: 8px;  
3     position: relative;  
4 }  
5  
6 .video-time {  
7     font-family: Roboto, Arial;  
8     font-size: 12px;  
9     font-weight: 500;  
10    background-color: black;  
11    color: white;  
12    text-align: center;  
13    position: absolute;  
14    bottom: 8px;  
15    right: 5px;  
16    border-radius: 3px;  
17    padding: 4px;  
18 }
```



Elemen yang terdapat di video-flow akan memiliki batasan dari ukuran thumbnail-row.

Final Product with Responsive Design (1)

YouTube

Search...

Home

Explore

Subscription

Originals

YouTube Music

Library

Mini Birthday Cake Recipe | Baking With Gingersnap

Gingersnap

23:11

White Strawberry Cake Recipe

Silvermist

1.6M views · 3 months ago

Roll Cake Recipe

Carlos

15:33

Carrot Cookies Recipe

Ada

9.2M views · 2 year ago

35M subscribers

Crochet Giant Bunny Plushie

Leon

25:05

Crochet Fairy Frog and Penguin Amigurumi

Claire

36:45

```
1 @media (min-width: 1301px) {  
2   .video-grid {  
3     grid-template-columns: 1fr 1fr 1fr 1fr;  
4   }  
5 }
```

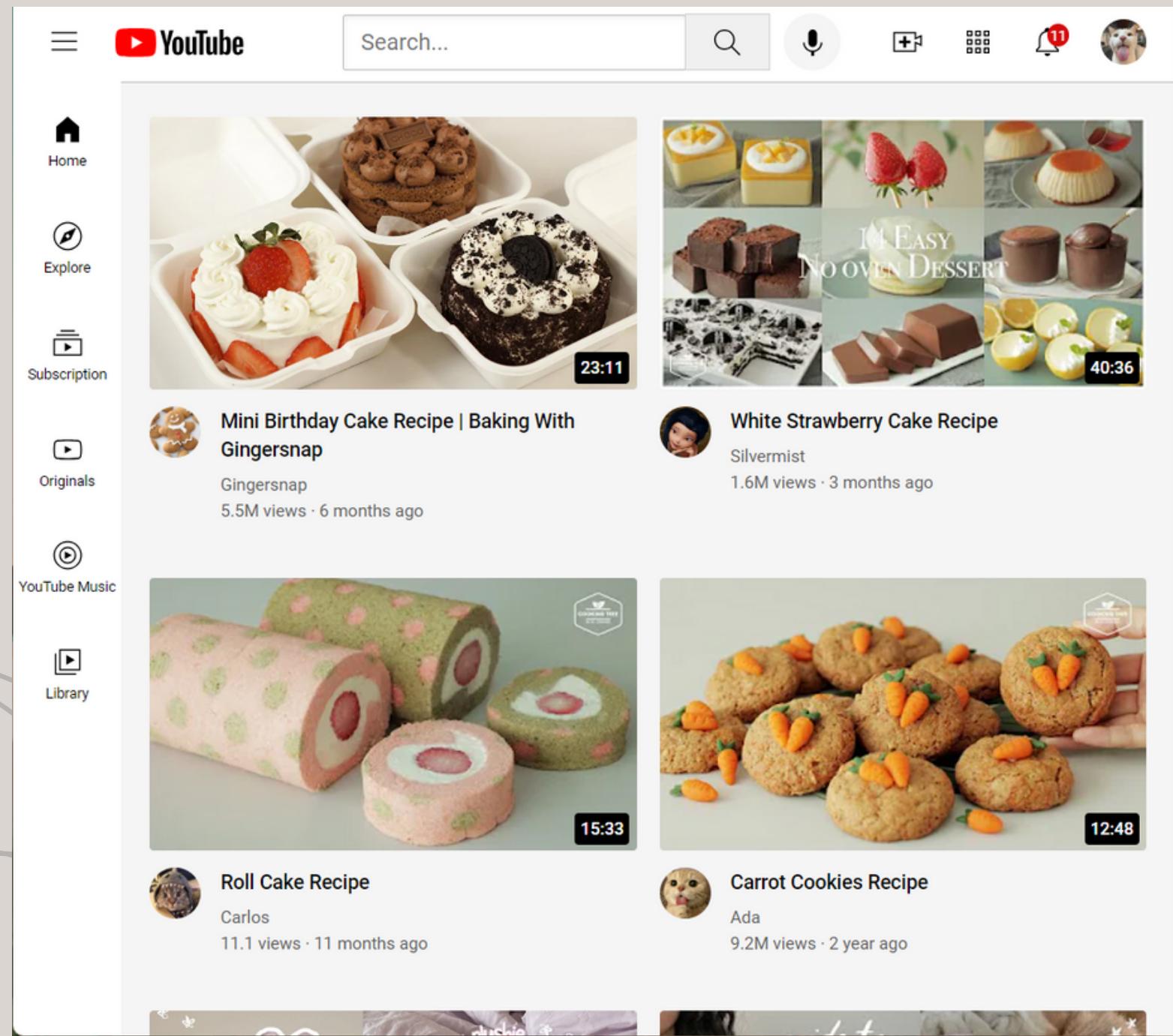
Final Product with Responsive Design (2)

The screenshot shows a YouTube search results page with the following video thumbnails and details:

- Mini Birthday Cake Recipe | Baking With Gingersnap** by Gingersnap (23:11, 5.5M views, 6 months ago)
- White Strawberry Cake Recipe** by Silvermist (40:36, 1.6M views, 3 months ago)
- Roll Cake Recipe** by Carlos (15:33, 11.1 views, 11 months ago)
- Carrot Cookies Recipe** by Ada (12:48, 9.2M views, 2 years ago)
- Crochet Giant Bunny Plushie** by Leon (25:05, 6.7M views, 4 months ago)
- Crochet Fairy** by Claire (2:11, 2.1M views, 1 week ago)

```
1  @media(min-width: 851px) and (max-width: 1300px) {  
2    .video-grid {  
3      grid-template-columns: 1fr 1fr 1fr;  
4    }  
5  }
```

Final Product with Responsive Design (3)



```
1  @media (max-width: 850px) {  
2      .video-grid {  
3          grid-template-columns: 1fr 1fr;  
4      }  
5  }
```

Thank You