



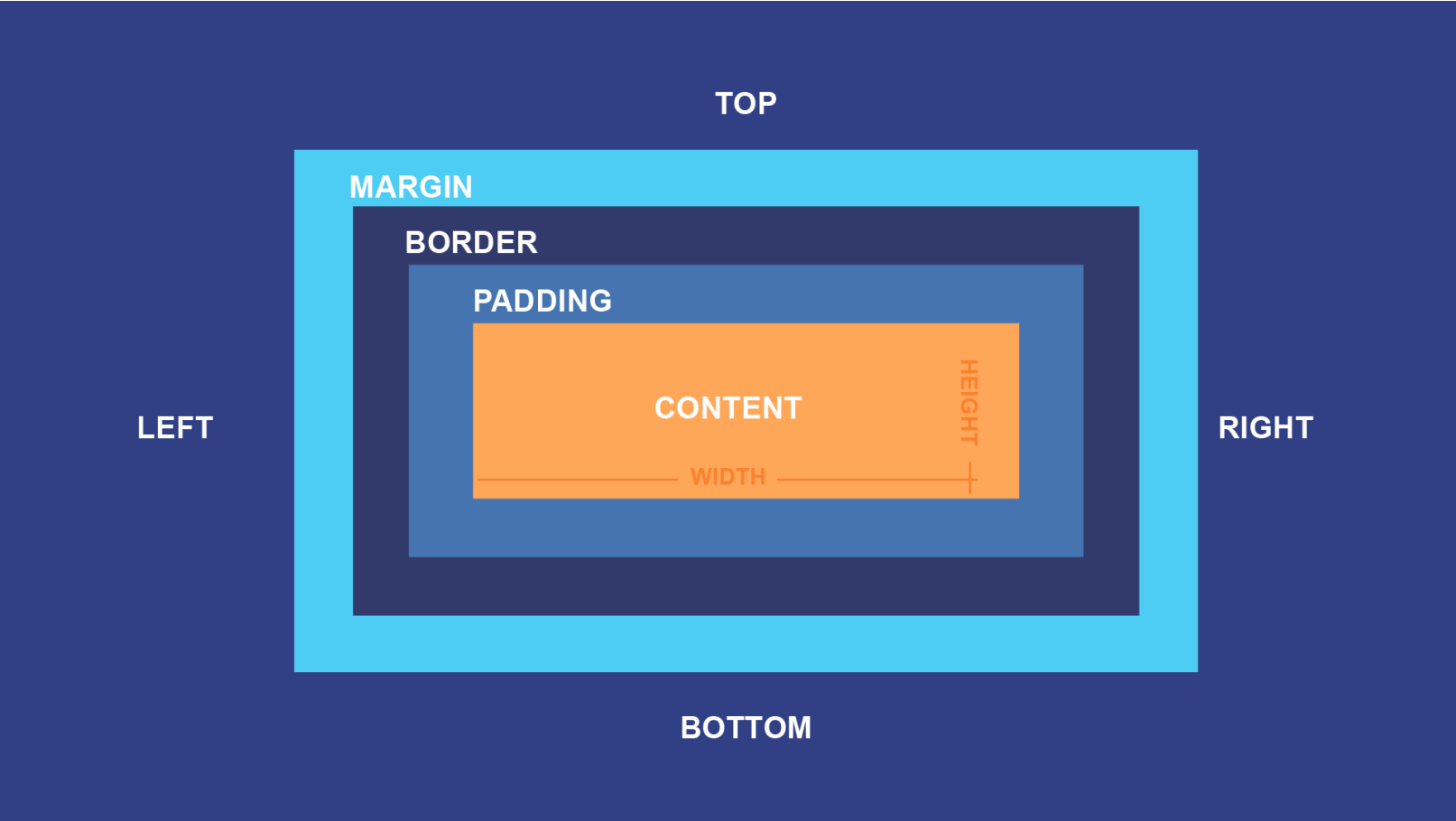
Front-end development

Front-end development – les 5

OVERZICHT

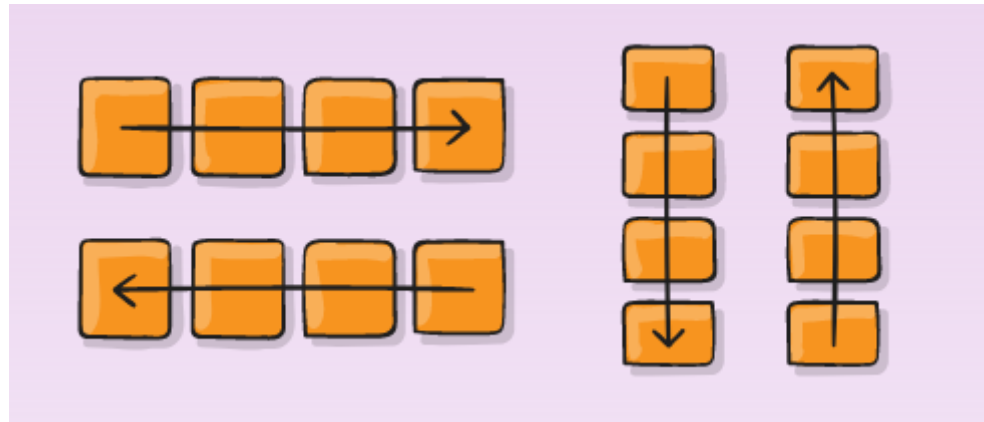
- Herhaling
- Utility classes
- Sass

BOX MODEL



HERHALING – FLEXBOX

- `display: flex`

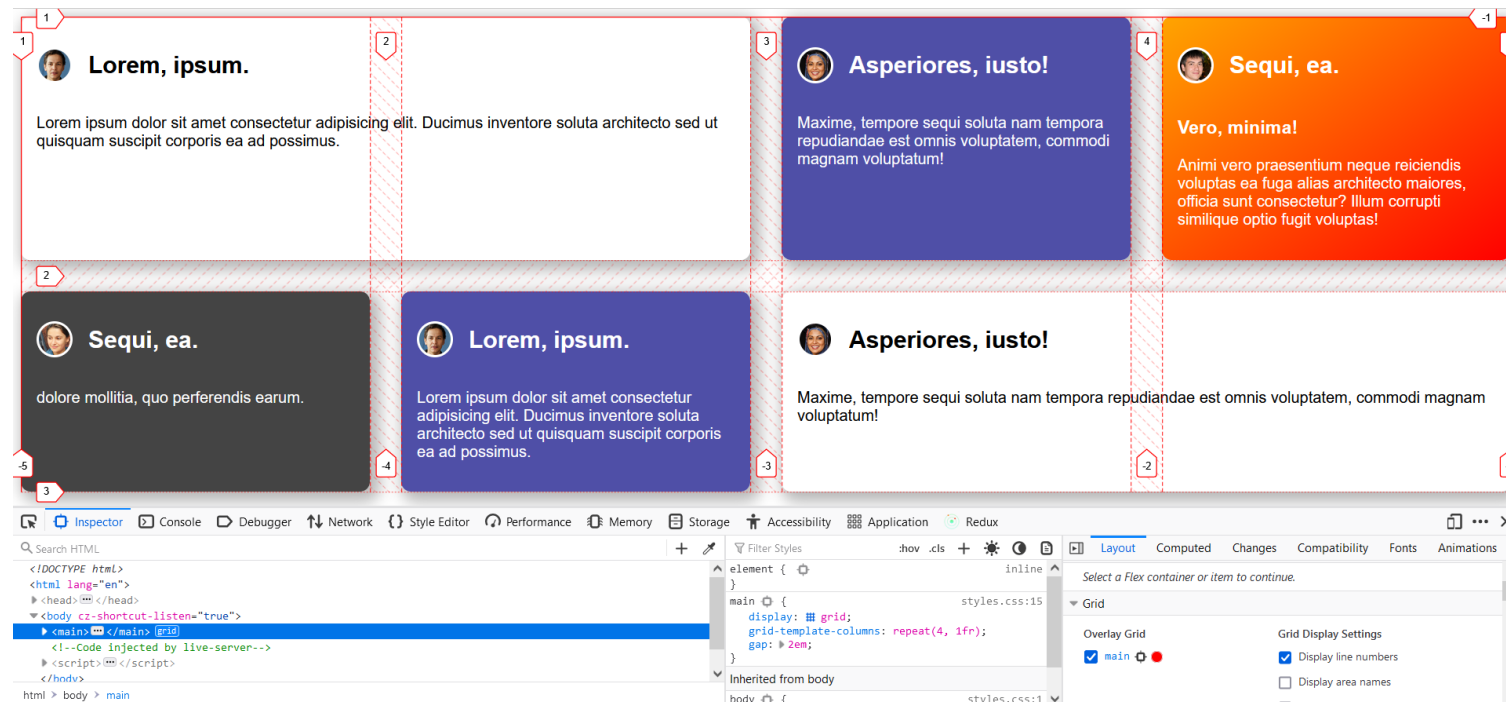


<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

https://www.w3schools.com/cssref/tryit.asp?filename=trycss3_flex-grow


HERHALING - GRID

- `display: grid;`
- `grid-template-columns: 1fr 1fr 1fr | repeat(3, 1fr)`



HERHALING - RWD


```
@media (max-width: 40em) {  
  main {  
    grid-template-columns: 1fr;  
  }  
}
```

 **Lorem, ipsum.**

Lorem ipsum dolor sit amet consectetur adipisicing elit. Ducimus inventore soluta architecto sed ut quisquam suscipit corporis ea ad possimus.

 **Asperiores, iusto!**

Maxime, tempore sequi soluta nam tempora repudiandae est omnis voluptatem, commodi magnam voluptatum!


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Maxime, tempore sequi soluta nam tempora repudiandae est omnis voluptatem, commodi magnam voluptatum!


 **Sequi, ea.**

Vero, minima!


Animi vero praesentium neque reiciendis voluptas ea fuga alias architecto maiores, officia sunt consectetur? Illum corrupti similique optio fugit voluptas!

 **Sequi, ea.**

dolore mollitia, quo perferendis earum.

 **Lorem, ipsum.**

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Vero, minima!

KLASSIKAAL - GRID



<https://github.com/artus/frontend-css-les-4/archive/refs/heads/main.zip>

CSS – UTILITY CLASSES

- Self descriptive, single purpose CSS classes

```
20  .row, .column {  
21  |    display: flex;  
22  |  
23  |  
24  |  
25  |    flex-direction: column;  
26  |  
27  |}
```


CSS – UTILITY CLASS

```
<div class="row gap space-between">
  <div class="column">
    <p>Lorem ipsum dolor sit amet.</p>
    <p>Dolorem mollitia consequatur impedit magnam!</p>
    <p>Dignissimos sit autem velit iste.</p>
    <p>Assumenda saepe distinctio aliquam odio.</p>
  </div>
  <div class="column">
    <p>Lorem ipsum dolor sit amet.</p>
    <p>Dolorem mollitia consequatur impedit magnam!</p>
    <p>Dignissimos sit autem velit iste.</p>
    <p>Assumenda saepe distinctio aliquam odio.</p>
  </div>
</div>
```

CSS – UTILITY CLASSES

Lorem ipsum dolor sit amet.

Dolorem mollitia consequatur impedit magnam!

Dignissimos sit autem velit iste.

Assumenda saepe distinctio aliquam odio.

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Dolorem mollitia consequatur impedit magnam!

Dignissimos sit autem velit iste.

Assumenda saepe distinctio aliquam odio.

KLASSIKAAL – UTILITY CLASSES



CSS VARIABELEN

```
:root {  
  --blue: ■ rgb(62, 62, 156);  
  --red: ■ rgb(202, 41, 41);  
  --yellow: ■ rgb(236, 236, 34);  
  --green: ■ rgb(48, 143, 48);  
}
```

CSS VARIABELEN

```
h2 {  
  background-color: var(--blue);  
}
```

```
body {  
  font-family: sans-serif;  
  background-color: var(--yellow);  
}
```

SASS

- Syntactically awesome stylesheets

A large, stylized, cursive logo for Sass, rendered in a vibrant magenta color. The letters are fluid and interconnected, with a prominent loop for the 'S' and a trailing flourish at the end of the 's'.

SASS VARIABLES

```
$blue: ■ rgb(62, 62, 156);  
$red: ■ rgb(202, 41, 41);  
$yellow: ■ rgb(236, 236, 34);  
$green: ■ rgb(48, 143, 48);
```

SASS VARIABLES

```
h1 {  
  color: $blue;  
}
```

```
body {  
  color: $blue;  
  background-color: $white;  
}
```


SASS NESTING

```
body {  
  color: $blue;  
  background-color: $white;  
}
```

```
body h1 {  
  background-color: $red;  
}
```

SASS NESTING

```
body {  
  color: $blue;  
  background-color: $white;  
  
  h1 {  
    background-color: $red;  
  }  
}
```

SASS PARENT SELECTOR

```
p {  
  color: $blue;  
}
```

```
p.special-text {  
  color: $red;  
}
```

SASS PARENT SELECTOR

```
p {  
  color: $blue;  
  
  &.special-text {  
    color: $red;  
  }  
}
```

SASS PSEUDO CLASSES

```
p {  
  color: $blue;  
  
  &:hover {  
    color: $red;  
  }  
}
```

SASS NESTING – MEDIA QUERIES

```
h1 {  
  font-size: 3em;  
}
```

```
@media (max-width: 30em) {  
  h1 {  
    font-size: 2em;  
  }  
}
```

SASS NESTING – MEDIA QUERIES

```
h1 {  
  font-size: 3em;  
  
  @media (max-width: 30em) {  
    font-size: 2em;  
  }  
}
```

SASS –SPLITSEN VAN CODE

🔗 style.scss > ...

```
1  @use 'colors';
2  @use 'sizes';
3
4  h1 {
5      color: colors.$red;
6      font-size: sizes.$big;
7  }
8
```

🔗 colors.scss > ...

```
1  $red: red;
2  $blue: blue;
3  $white: white;
4
```

🔗 sizes.scss > [🔗] \$big

```
1  $small: 0.5em;
2  $medium: 1em;
3  $big: 2em;
```


KLASSIKAAL – SASS

