

Opdracht 1

Wat zijn de siblings van het element?

h1 en p zijn de siblings van het element

Wat zijn de ancestors van het tweede element?

body, h1, p en ul zijn de ancestors van het tweede element

Wat zijn de descendants van het <body> element?

h1, p, ul en li zijn de descendants van het element <body>

Hoeveel elementen in een geldig HTML document hebben geen parent?

Heeft elk element één of meerdere child elementen?

Niet alle elementen moeten noodzakelijk een child hebben

Opdracht 2

Dom-tree

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <link rel="stylesheet" type="text/css" href="styles/style.css">
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/css/bootstrap.min.css" integrity="sha384-rwoIREsjU2yc3z8GV/NPeZWAv56rSmLldC3R/AZzGRnGxQQKnKkoFVhFQhNUwEyJ" crossorigin="anonymous">
    <script type="text/javascript" charset="utf-8" src="scripts/code.js"></script>
    <title>DOM-tree</title>
  </head>
  <body>
    <div class="container-fluid">
      <div class="row">
        <div class="col-6" id="neverColors">
          <h1>Demo DOM-tree</h1>
          <div id="howto"></div>
          <form id="myForm"></form>
          <div class="buttons"></div>
        </div>
        <div class="col descendants select" id="body" style="color: lightgrey; border: 2px solid lightgrey;">
          "body "
          <div class="select" id="div" style="color: lightgrey; border: 2px solid lightgrey;">
            "div "
            <ul class="select" id="ula" style="color: lightgrey; border: 2px solid lightgrey;"></ul>
            <ul class="select" id="ulb" style="color: lightgrey; border: 2px solid lightgrey;"></ul>
          </div>
        </div>
      </div>
    </div>
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKR/rE9/QpG6AZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.3/umd/popper.min.js"></script>
  </body>
</html>
```

Persoonlijke website

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Personal homepage assignment</title>
  </head>
  <body>
    <h1>My personal homepage</h1>
    <h2>Hey ik ben Aimane Ajnifette</h2>
    
    <h3>Persoonlijke gegevens</h3>
    <ul>
      <li></li>
      <li></li>
      <li></li>
    </ul>
    <h2>Meer over mezelf</h2>
    <ul>
      <li></li>
      <li></li>
    </ul>
    <h2>Prognose</h2>
    <table border="1px">
      <thead>
      <tbody>
      </tbody>
    </table>
    <ul>
      <li></li>
    </ul>
  </body>
</html>
```

Opdracht 3

Vives

Inline-style

```
<div id="onetrust-consent-sdk">
  <div class="onetrust-pc-dark-filter ot-hide ot-fade-in" style="display: none;
    transition: visibility 0s 400ms, opacity 400ms linear;
    opacity: 0;visibility: hidden;"></div>
```

<link> verwijzingen

```
<link rel="stylesheet" media="all" href="/sites/default/files/css/css_hVf64b9ixri7hQz5B3cyIX9RojpHRXz2KJNetonnwJ_Chw6z0h2ovw51vczFHAUdvOuuFcmmt0nY2jcu-gYK0z-1_8gH3smeEkvLdcoK--t0BJHovfK7s">
<link rel="stylesheet" media="all" href="/sites/default/files/css/css_-cqp0FuY4bZ2U40CpY7j3CR70mv5odFhN0h0bve1_Chw6z0h2ovw51vczFHAUdvOuuFcmmt0nY2jcu-gYK0z-1_8gH3smeEkvLdcoK--t0BJHovfK7s">
<link rel="stylesheet" media="all" href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700&family=Inter:wght@400,500,600,700,800,900&display=swap">
```

<style> blokken

```
<style>
.bzfyo-popup.bzfyo-media-uploader-iframe-container{display:flex;justify-content:flex-end;width:calc(100% - 250px);height:calc(100% - 50px);max-height:650px;max-width:975px;top:calc(50% - 295px)}.bzfyo-media-uploader-iframe-container{width:100%;height:100%;position:relative}.bzfyo-media-uploader-iframe-iframe .bzfyo-media-uploader-iframe-browser{width:100%;height:100%;border:0}.bzfyo-popup-overlay{background:#212121;position:fixed;z-index:25000;left:0;top:0;right:0;bottom:0;opacity:.85}.bzfyo-popup(position:fixed;z-index:99999;left:0;right:0;margin:0 auto).bzfyo-popup {box-sizing:border-box;font-family:Montserrat}.bzfyo-media-uploader-iframe-popup-close(position:absolute;display:flex;webkit-appearance:none;-moz-appearance:none;appearance:none;background-color:rgba(0,0,0,0);border:2px solid rgba(0,0,0,0);border-radius:50%;cursor:pointer;outline:none;z-index:1;margin:10px).bzfyo-close-icon(display:block}@media only screen and (max-height: 487),only screen and (max-width: 767px){.bzfyo-popup.bzfyo-media-uploader-iframe-container{height:100%;width:100%;width:calc(100% - 125px);height:calc(100% - 25px)}}@media(max-width: 600px){.bzfyo-popup.bzfyo-media-uploader-iframe-container{margin:0;height:100%;width:100%;top:0;overflow-y:auto;max-height:100%;max-width:100%}}
</style>
```

Miras

Inline-style

```
<li class="nav-item ml-auto d-none d-lg-inline-block">
  <div style="min-width: 250px;">
```

<link> verwijzingen

```
<link rel="icon" sizes="32x32" href="/a/i/ico/xfavicon-32.png.pagespeed.ic.5-Io16NHE9.png">
<link rel="icon" sizes="57x57" href="/a/i/ico/xfavicon-57.png.pagespeed.ic.z1ohLhtcBm.png">
<link rel="icon" sizes="76x76" href="/a/i/ico/xfavicon-76.png.pagespeed.ic.p_4JpN52N_.png">
<link rel="icon" sizes="96x96" href="/a/i/ico/xfavicon-96.png.pagespeed.ic.104QKIZ0rV.png">
<style>
  .jumbotron{margin-top:-7px}.img-wrapper{background: url("/filemedia/153956") center/cover no-repeat}
</style>
```

VRT

<link> verwijzingen

```
<link rel="preload" href="/vrtnws/_next/static/css/7e259321135281cf.css" as="style">
<link rel="stylesheet" href="/vrtnws/_next/static/css/7e259321135281cf.css" data-n-g>
```

<style> blokken

```
<style type="text/css">
  .transform-component-module_wrapper__SPB86 {
    position: relative;
    width: -moz-fit-content;
    width: fit-content;
    height: -moz-fit-content;
    height: fit-content;
    overflow: hidden;
    -webkit-touch-callout: none; /* iOS Safari */
    -webkit-user-select: none; /* Safari */
    -khtml-user-select: none; /* Konqueror HTML */
    -moz-user-select: none; /* Firefox */
    -ms-user-select: none; /* Internet Explorer/Edge */
    user-select: none;
    margin: 0;
    padding: 0;
  }
  .transform-component-module_content__FBWxo {
    display: flex;
    flex-wrap: wrap;
    width: -moz-fit-content;
    width: fit-content;
    height: -moz-fit-content;
    height: fit-content;
    margin: 0;
    padding: 0;
    transform-origin: 0% 0%;
  }
  .transform-component-module_content__FBWxo img {
    pointer-events: none;
  }
</style>
```

Inline-style

```
<div data-focus-guard="true" tabindex="-1" style="width: 1px; height: 0px; padding: 0px; overflow: hidden; position: fixed; top: 1px; left: 1px;"></div>
<div data-focus-lock-disabled="disabled"></div>
<div data-focus-guard="true" tabindex="-1" style="width: 1px; height: 0px; padding: 0px; overflow: hidden; position: fixed; top: 1px; left: 1px;"></div>
```

Opdracht 4

Starbucks en Netflix

Starbucks maken minder gebruik van <style> blokken en elementen terwijl netflix dat wel doet

Starbucks:

```
<!DOCTYPE html><html lang="en-US"><head><meta charset="utf-8"/><meta content="width=device-width, init
window.NREUM||(NREUM={}),__nr_require=function(t,e,n){function r(n){if(!e[n]){var o=e[n]={export
;NREUM.info={beacon:"bam.nr-data.net",errorBeacon:"bam.nr-data.net",licenseKey:"671cca5e0f",appl
</script><script>
(function () {
  window.dataLayer = window.dataLayer || [];
  window.dataLayer.push({"platform":"Starbucks Global Web Platform","event":"datalayer-initial
})();
</script><script src="https://cdn.optimizely.com/js/13849340212.js"></script><link data-next-f
new Date().getTime(),event:'gtm.js'}));var f=d.getElementsByTagName(s)[0],
j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
'//www.googletagmanager.com/gtm.js?id='+i+dl;f.parentNode.insertBefore(j,f);
})(window,document,'script','dataLayer','GTM-P37KWT');</script><div id="__next"><div><div class="sb
var __dispatched__ = {}
var __i__ = self.postMessage && setInterval(function(){
  if(self.PrivacyManagerAPI && __i__){
    var apiObject = { PrivacyManagerAPI:
      { action:"getConsentDecision",
        timestamp: new Date().getTime(),
        self: self.location.host }}
    self.top.postMessage(JSON.stringify(apiObject),"")
    __i__ = clearInterval(__i__)
  },50)
self.addEventListener("message", function(e, d){
  try{
    if(e.data && (d= JSON.parse(e.data)) &&
      (d = d.PrivacyManagerAPI) && d.capabilities && d.action=="getConsentDecision"){
      var newDecision =
        self.PrivacyManagerAPI.callApi("getGDPRConsentDecision",self.location.host).consentDec
      newDecision && newDecision.forEach(function(label){
        if(!__dispatched__[label]){
          self.dataLayer && self.dataLayer.push({"event":"GDPR Pref Allows "+label})
          __dispatched__[label] = 1
        }
      })
    }
  }catch(xx){}
})
</script></body></html>
```

Netflix:

```
<!doctype html><html lang="nl" class=""><head><meta http-equiv="Content-Type" content="text/html; cl
* For detailed credits and licence information see https://github.com/financial-times/polyfill-serv
*
* Features requested: default,dom4,es5,es2015,es2016,es2017,es2018,es2019,es2020,es2021,es2022,es20
* */

/* No polyfills needed for current settings and browser */

</script></head><body><div id="appMountPoint"><div class="basicLayout"><div class="netflix-sans-font
  180deg,
  #d9d9d9 78.62%,
  rgba(115, 115, 115, 0) 100%
);mask-image:linear-gradient(
  180deg,
  #d9d9d9 78.62%,
  rgba(115, 115, 115, 0) 100%
);@media all{.default-ltr-cache-1kx0nst{height:37.5rem;}}@media all and
92.16% 100% at 49.87% 0%,
  rgba(247, 99, 107, 0.3) 19.86%,
  rgba(0, 0, 0, 0) 100%
);position:absolute;height:75rem;width:100%;</style><div class="default-ltr-cache-180snrw e6h178f
  50% 100% at 50% 0%,
  rgba(44, 66, 156, 0.15) 0%,
  rgba(0, 0, 0, 0) 100%
);position:absolute;height:75rem;width:100%;</style><div class="default-ltr-cache-180snrw e6h178f
  180deg,
  rgba(0, 0, 0, 0.8000) 0.000%, rgba(0, 0, 0, 0.7889) 8.333%, rgba(0, 0, 0, 0.7556) 16.67%, r
);position:relative;z-index:2;width:100%;</style><div class="default-ltr-cache-180snrw e6h178f
  100px - 0.0625rem
);content:'';border-color:rgba(0,0,0,0);}@media screen and (prefers-reduced-motion){.default
  100px - 0.0625rem
);content:'';border-color:rgba(0,0,0,0);}@media screen and (prefers-reduced-motion){.default
  100px - 0.0625rem
);content:'';border-color:rgba(0,0,0,0);}@media screen and (prefers-reduced-motion){.default
    at top left,
    white 25%,
    transparent 70%
);-webkit-mask:linear-gradient(#fff 0 0) content-box,linear-gradient(#fff 0 0);mask:line
  180deg,
  #fff 71.48%,
  rgba(255, 255, 255, 0.4) 100%
);mask-image:linear-gradient(
```

Opdracht 5

Voor aanpassingen:

A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example [html file](#) and [css file](#)

```
215.css?v=8may2013:382
.summary p {
  ✓ clear: right;
  ✓ color: ■ #dd3b2a;
  ✓ float: right;
  ✓ font-style: italic;
  ✓ margin: → 0;
  ✓ width: 300px;
}
```

Na aanpassingen:

A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example [html file](#) and [css file](#)

```
215.css?v=8may2013:382
.summary p {
  ✓ clear: right;
  ✓ color: ■ green;
  ✓ float: right;
  □ font-style: italic;
  ✓ margin: → 0;
  ✓ width: 300px;
}
```

Oefening 6

Zie html code

```
h1 {
  font-family: Arial;
  font-size: 1.8em;
}
h2 {
  font-family: Arial;
  font-size: 1.5em;
}
h3 {
  font-family: Arial;
  font-size: 1.4em;
}
p {
  font-family: 'Times New Roman';
  font-size: 1.2em;
}
.paragraaf1 {
  color: red;
}
.paragraaf2 {
  color: green;
}
.paragraaf3 {
  color: blue;
}
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style/style.css">
  <title>Oefening 6</title>
</head>
<body>
  <h1>Test</h1>
  <p class="paragraaf1">Lorem ipsum dolor sit amet consectetur, adipisicing elit. Corrupti, assumenda? Molestiae pariatur iure laboriosam veniam error dolorum molestias similique nam porro labore fugiat doloremque quae doloribus exercitationem facilis soluta accusantium repudiandae harum alias saepe, voluptatum sunt quos, eaque animi? Reiciendis eveniet ullam earum ducimus voluptates corporis obcaecati nostrum, quam reprehenderit!</p>
  <h2>Test</h2>
  <p class="paragraaf2">Lorem ipsum dolor sit amet consectetur, adipisicing elit. Ullam dignissimos error alias atque assumenda nobis facilis, ipsam iusto sed est delectus voluptates sit perspiciatis impedit? Doloremque molestiae distinctio sint, explicabo sunt ex totam illo similique nemo enim nihil provident nostrum aut iusto alias quasi quibusdam at beatae temporibus libero quidem.</p>
  <h3>Test</h3>
  <p class="paragraaf3">Lorem, ipsum dolor sit amet consectetur adipisicing elit. Eligendi aperiam quisquam in officia vero, quia temporibus eius tenetur, impedit assumenda consequuntur pariatur nesciunt neque quam sed adipisci exercitationem velit. Amet perspiciatis illo, a quod doloribus, neque dicta impedit maxime asperiores quidem quasi natus sequi iusto iure voluptas eum unde! Fuga?</p>
</body>
</html>
```

Oefening 7

```
h1 {  
  font-size: 2ex;  
}  
  
h2 {  
  font-size: 2em;  
}
```

Test

Test

2em is groter omdat het zich baseert op de werkelijke hoogte van dat lettertype terwijl 2ex zich baseert op de hoogte van kleine letter "x"