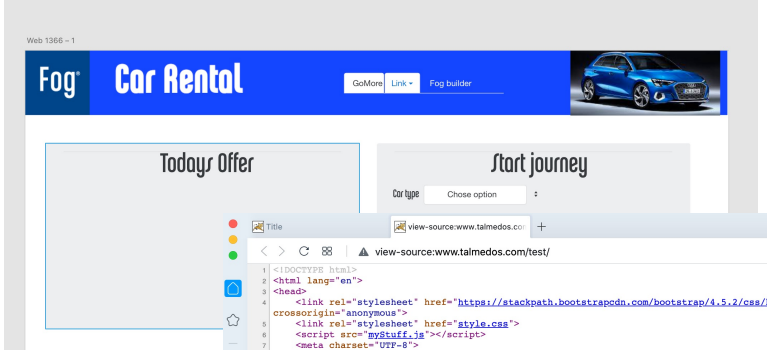
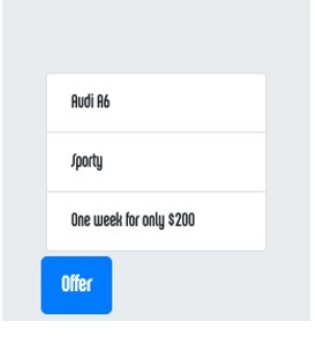
Fra Design til Kode – Form & indhold

- Modul 4 - Webstack
- Recap slides om web-sider, web-servere, html, css og datakilder
- Arbejde i breakout med html/css



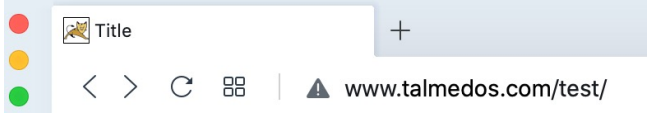


```
| => ls -ld ../Bornholm/
drwxrwxr-x 5 www-data www-data 4096 Mar 23 22:50 ../Bornholm/
-------------------------------------------------------------
| /var/www/html/Bornholm @ Spring2021 (thor)
| => tree
.
├── css
│   └── style.css
├── ditvalg.html
├── img
│   └── bflag.png
├── index.html
├── js
└── profile.html

3 directories, 5 files
-------------------------------------------------------------
| /var/www/html/Bornholm @ Spring2021 (thor)
```

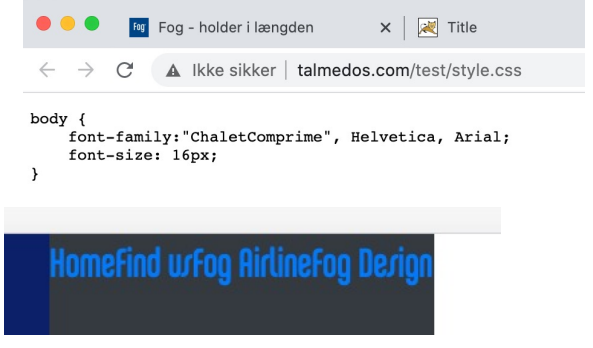
```
| => ls -ld ../cgi-bin/
drwxr-xr-x 2 root root 4096 Mar 23 23:22 ../cgi-bin/
-----------------------------------------------------
| /usr/lib/cgi-bin @ Spring2021 (thor)
| => cat runEnv.sh
#!/bin/bash
java -cp ./ PrintEnv
-----------------------------------------------------
| /usr/lib/cgi-bin @ Spring2021 (thor)
| =>
```

Elementer fra siden



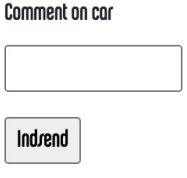
Domæne-navn

Banner



Font

Navigation



HTML elementer

-Forms

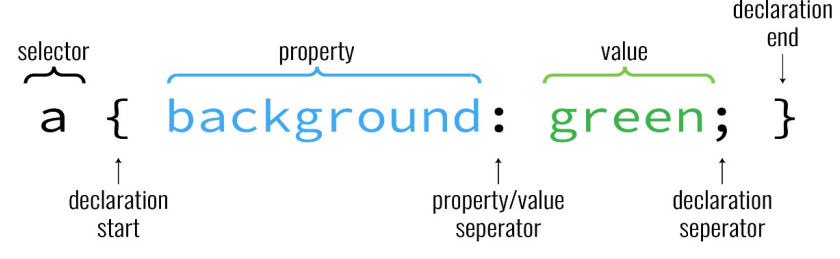
-dropdowns

- fritekst søgning

Elementer fra siden II

```
<div class="myhobby">
    <h2> Min hobby </h2>
    <form action="cgi-bin/runEnv.sh" method="get">
        <label>Din favorit hobby</label>
        <input type="text" name="hobby" maxlength="50" />
        <input type="submit">
    <form action="ditvalg.html" method="get">
</div>
```

```
.myhobby {
    font-family: ChaletComprime,Arial;
    background-color:beige;
    left: 30px;
    margin-top: 20px;
    margin-bottom: 20px;
    border: 10px;
}
```



Statisk HTML elementer

-Forms (input type=”…”)

- type, name, id,

Dynamisk HTML

-action=cgi-script or servlet

CSS – Formatering

- Selectors
- Text
- Borders
- Positioning
- Box Model

CSS – Implementering

CSS – Regler

TOOLING

- Cheat Sheets
- Chrome
- IDE - IntelliJ

Template

<html>
<head>
<title></title>
Meta tags
CSS
Javascript
</head>
<body>
Content
</body>
</html>

CSS Media

all
handheld
print
projection
screen

Meta Types

http-equiv
name

Lists

<ol>
<li>
</li>
</ol>

<ul>
<li>
</li>
</ul>

Syntax

Basic

HTML: <tag></tagclose> or <tag>
XHTML: <tag></tagclose> or <tag />

With Attribute

HTML: <tag attribute="?">
XHTML: <tag attribute="?" />

General

<body>	Visible part of the page
<head>	Part not displayed on page
<html>	Creates an HTML page
<title>	Creates the Page name in title bar

Links

<img src="URL">*	Displays an image
<a href="#?">	Link to anchor in current page
<a href="URL">	Link to another page
<a href="URL#">	Link to anchor in another page
<a href="mailto: EMAIL">	E-mail link

Structure

** ***	Line break
<code>	Source code listing
** **	Formats structure or block of text
****	Italic text
<h1>..<h6>	Page heading, biggest to smallest
<hr>	Horizontal rule
<p>	Paragraph
<pre>	Preformatted text
****	Inline formatting
****	Bold text
<sub>	Subscript text
<sup>	Superscript text

Frames

<frame>	Defines a single frame

Head

<style type="text/css">@import "URL"; </style>

<link rel="stylesheet" href="?" type="text/css">*	External CSS link
<script language="Javascript" type="text/javascript">	Embedded javascript
<meta name="?" content="?" />*	Meta info

Tables

<caption>	Table caption
<table>	Defines a table
<tbody>	Body section of table
<td>	Table cell
<td colspan="?">	Number of columns cell spans
<td rowspan="?">	Number of rows cell spans
<tfoot>	Footer section of the table
<th>	Table header cells
<th colspan="?">	Number of columns table header cell spans
<thead>	Header section of table
<tr>	Table row

Lists

<dd>	Definition
<dl>	Definition list
<dt>	Definition term
<li>	Item in a list
<ol>	Ordered list
<ul>	Unordered list

Forms

<form>	Defines a form
<fieldset>	Group of related form items
<input type="?">*	Form element [see **input types**]
<option>	Menu item in a select box
<select>	Drop-down menu
<textarea>	Multi-row text area

Table

<table>

<thead>
<tr>
<th>
</th>
</tr>
</thead>

<tbody>
<tr>
<td>
</td>
</tr>
</tbody>

<tfoot>
<tr>
<td>
</td>
</tr>
</tfoot>

</table>

Input Types

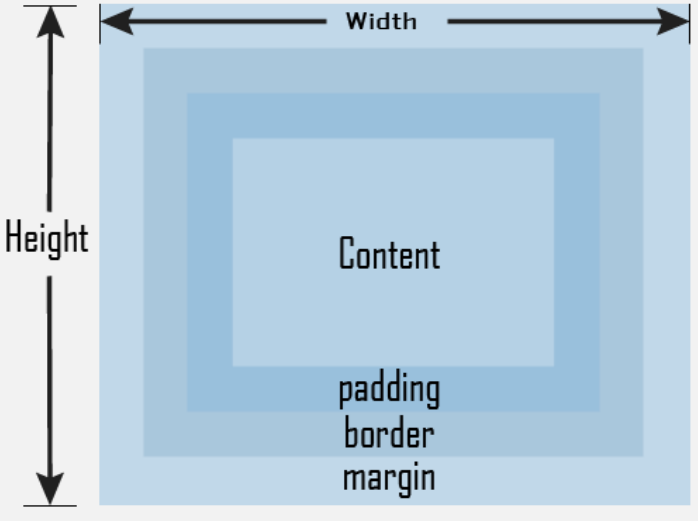
button
checkbox
file
hidden
image
password
radio
reset
submit
text

CSS Cheat Sheet

Selectors

div	all DIV tags
div, spam	all DIV tags and all SPAN tags
div span	all SPAN tags inside DIVs
#content	element with ID "content"
.box	all elements whith CLASS "box"
ul#box	UL tag with ID "box"
span.box	all SPAN tags with CLASS "box"
*	all elements
#box*	all elements inside #box
a:link, a:active, a:visited	links in normal state, in clicked state, and in visited state
a:hover	link with mouse over it
div > span	all SPANs one-level deep in a DIV
div + span	all SPANs preceded by DIV

Box Model



Positioning

Position	place elements on screen, e.g. absolute, fixed, relative
float	stacks elements horizontally in a particular direction, e.g. left
top, left, right, bottom	specifies the offsets used in absolute, fixed, and relative positions, e.g. top:10px;left:10px
display	sets how the elements is placed in the doc flow, e.g. block, inline, none
z-index	sets the stracking order of elements, e.g. z-index of 1 is below z-index of 2
overflow	sets what happens to content outside of container, e.g. auto, hidden

Text

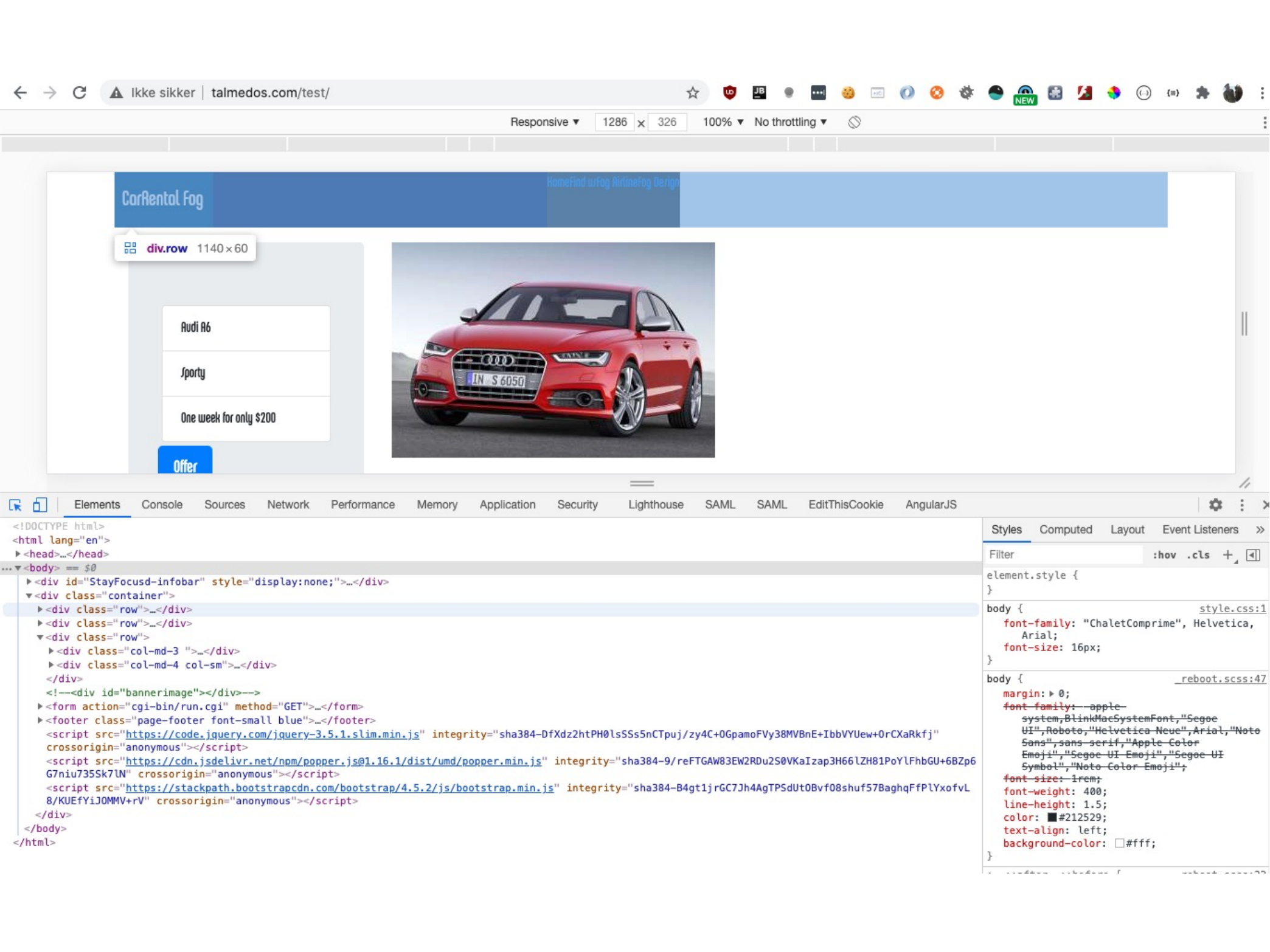
font-family	font used, e.g. Helvetiva, Arial
font-size	text size, e.g. 60px, 3em
color	text color, e.g. #000, #abcdef
font-weight	how bold the text is, e.g. bold
font-style	what style the text is e.g. italic
text-decoration	sets a variety of effects on text, e.g. underline, overline, none
text-align	how text is aligned, e.g. center
line-height	spacing between lines, e.g. 2em
letter-spacing	spacing between letters, e.g. 5px
text-indent	indent of the first line, e.g. 2em
text-transform	applies formatting to text, e.g. upper-case, lowercase, capitalize
vertical-align	align relative to baseline, e.g. text-top

Borders and Dimensions

border	sets border style for all borders, in the format: border: (solid, dashed, dotted, double) (width) (color), e.g. border: solid 1px #000
border-top	sets border style for a specific
border-bottom	border (same property syntax used
border-left	for padding and margin, e.g.
border-right	margin-left)
height	sets height of an element
max-height	sets maximum height of an element
min-height	sets minimum height of an element
width	sets width of an element
max-width	sets maximum width of an element
min-width	sets minimum width of an element

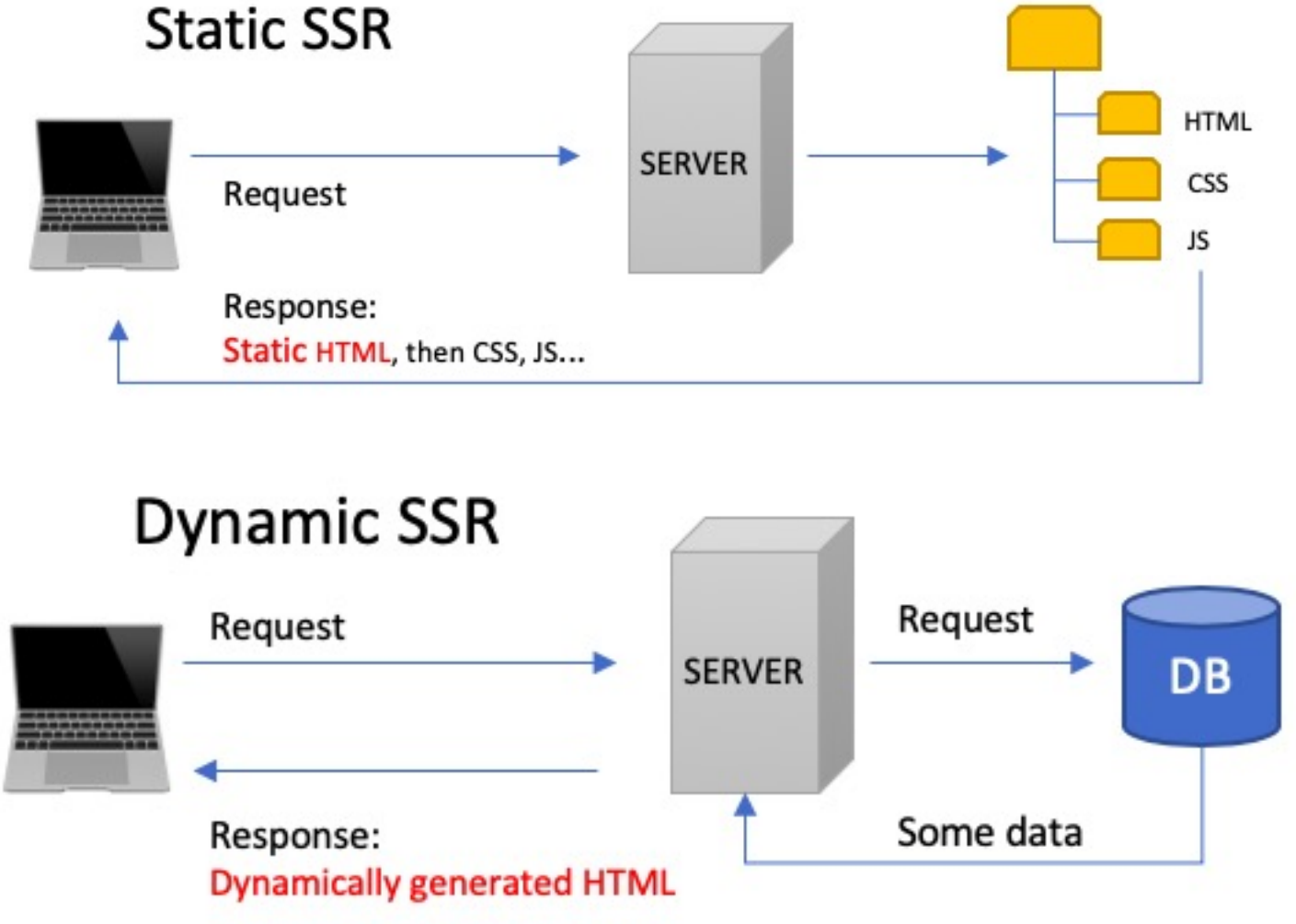
Everything Else

background	sets background of an element, in the format: background: (color) (image) (repeat) (position), e.g. background: #000 url(bg.png) repeat-x top left
cursor	sets shape of cursor, e.g. pointer
outline	a border drawn around an elements that doesn't affect the box model
clear	sets on what side a new line starts in relation to nearby floated elements, e.g. left, right, both
box-shadow	attaches one or more shadows to an element
box-sizing	defines how the width and height of an element are calculated: should they include padding and borders, or not.


Ikke sikker | talmedos.com/test/
Responsive 1286 × 326 100% No throttling
CarRental Fog
HomeFind wFog AirlineFog Design
div.row 1140 × 60
Audi A6
Sporty
One week for only $200
Offer
Elements Console Sources Network Performance Memory Application Security Lighthouse SAML SAML EditThisCookie AngularJS
<!DOCTYPE html>
<html lang="en">
<head>…</head>
<body> == $0
<div id="StayFocusd-infobar" style="display:none;">…</div>
<div class="container">
<div class="row">…</div>
<div class="row">…</div>
<div class="row">
<div class="col-md-3 ">…</div>
<div class="col-md-4 col-sm">…</div>
</div>
<!--<div id="bannerimage"></div>-->
<form action="cgi-bin/run.cgi" method="GET">…</form>
<footer class="page-footer font-small blue">…</footer>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>
</div>
</body>
</html>
Styles Computed Layout Event Listeners
Filter :hov .cls
element.style {
}
body { style.css:1
font-family: "ChaletComprime", Helvetica, Arial;
font-size: 16px;
}
body { reboot.scss:47
margin: 0;
font-family: -apple-system,BlinkMacSystemFont,"Segoe UI",Roboto,"Helvetica Neue",Arial,"Noto Sans",sans-serif,"Apple Color Emoji","Segoe UI Emoji","Segoe UI Symbol","Noto Color Emoji";
font-size: 1rem;
font-weight: 400;
line-height: 1.5;
color: #212529;
text-align: left;
background-color: #fff;
}

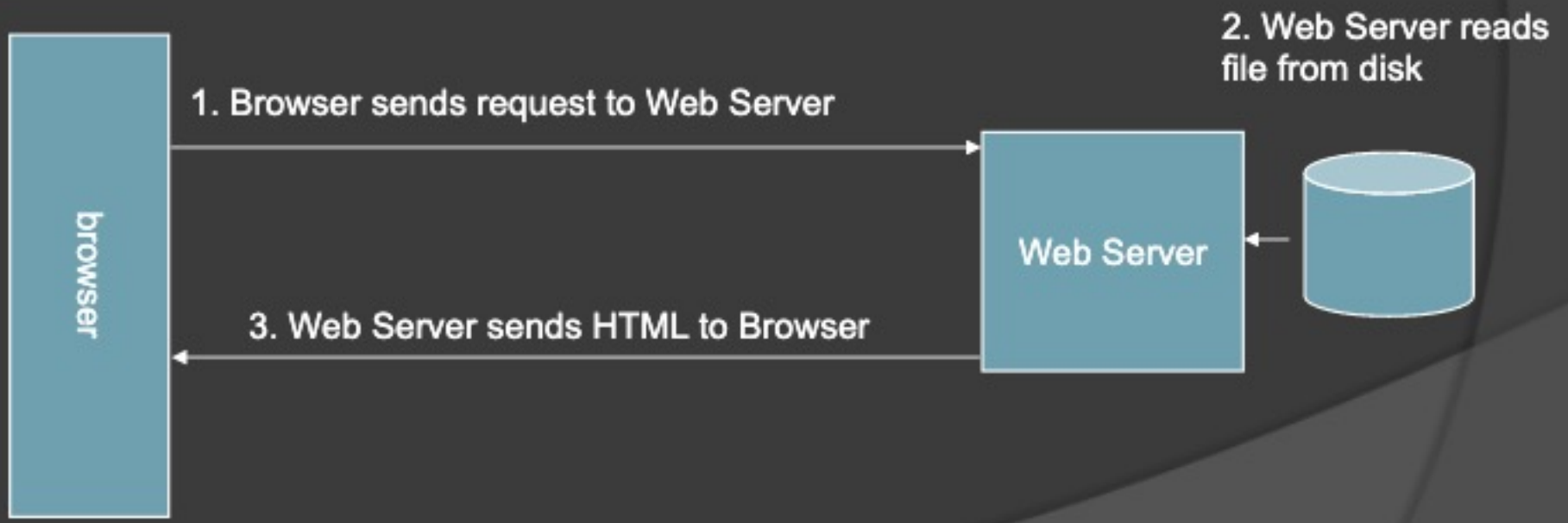
Apache HTTP-server

Web Server – Static HTML vs Dynamic



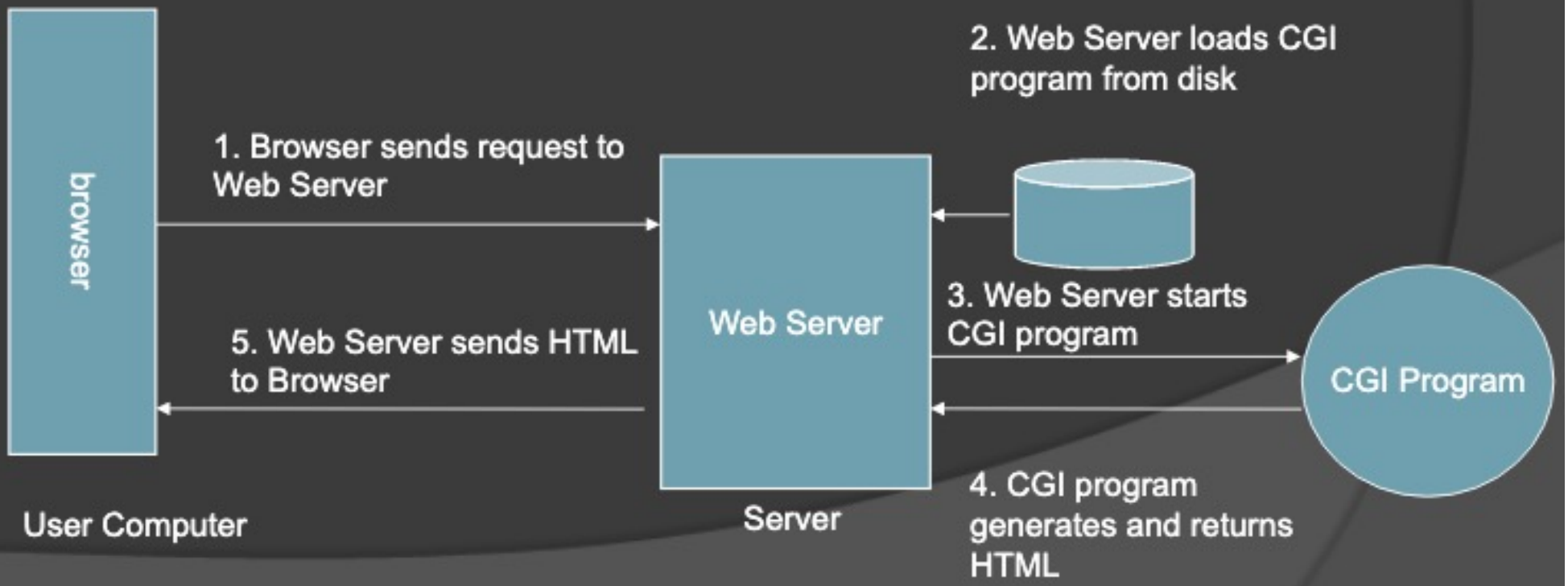
Static content

- Web Server delivers contents of a file (html)



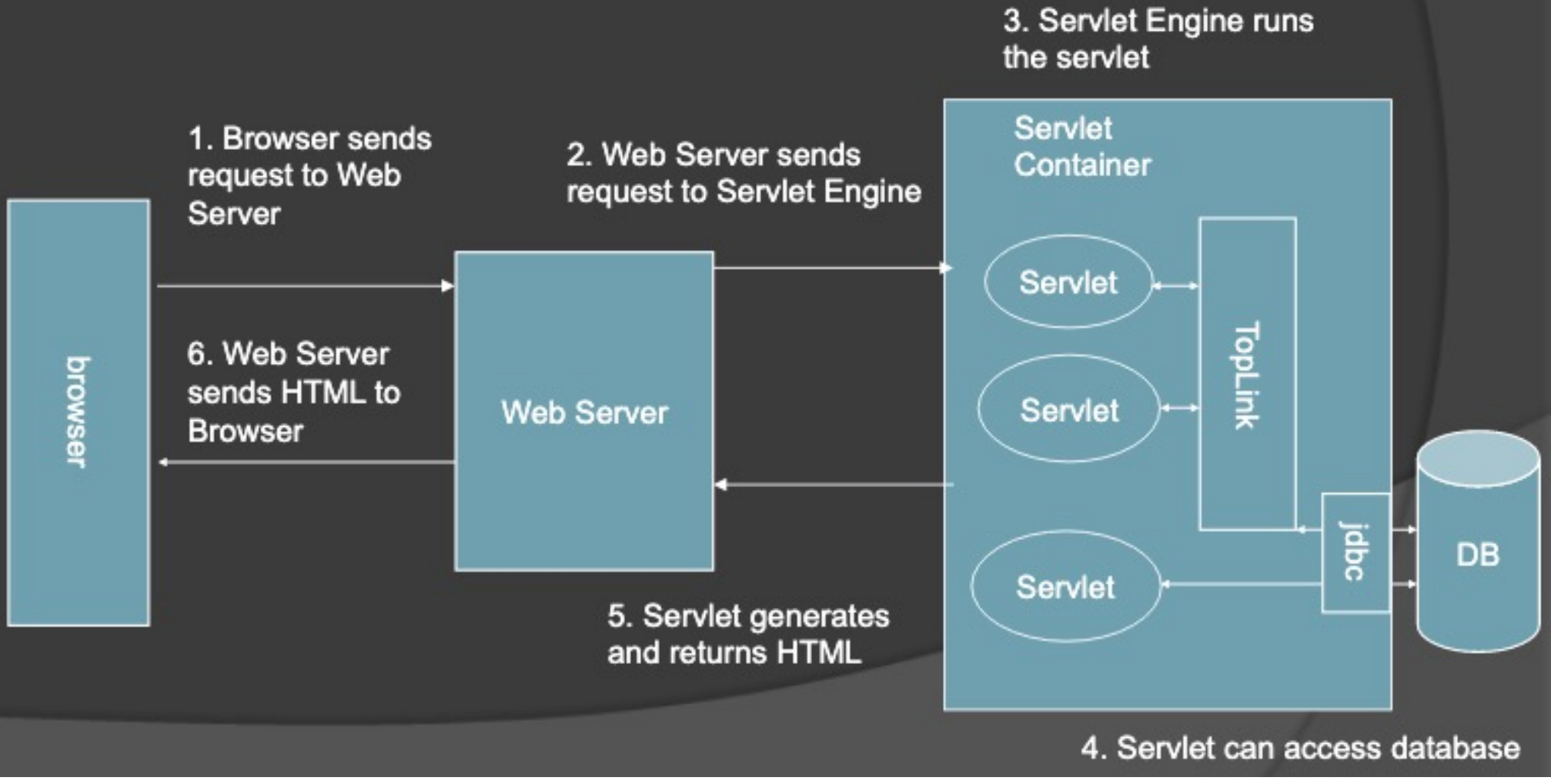
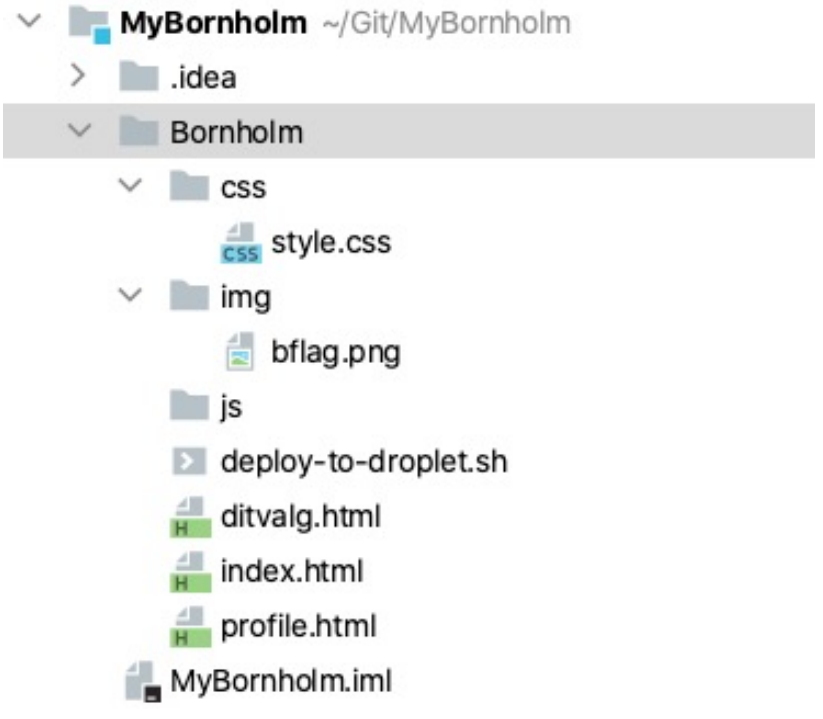
Dynamic Content

- CGI(Common Gateway Interface)program generates HTML that is returned to Browser



Java Servlet Diagram

- Extends Web Server



I gang med IntelliJ, kør-med-Bornholm