

| Programme Content & Dates: | | | | | | |
|----------------------------|-------------|---|----------|-------------------|-----------------|--|
| Date | Code: | Course | Location | Trainer | Event Number | |
| Week 0 | | | | | | |
| 28/03/2025 - 2pm | | Learner Briefing | MS Teams | Sam Ash | | |
| 28/03/2025 - 3pm | | SupportNets Induction | MS Teams | Suzanne Vawdrey | | |
| Week 1 | | | | | | |
| 31/03/2025 | QADEVOPSINT | Introduction To DevOps | MS Teams | Robert Hayn | | |
| 01/04/2025 | QAUIAS | Understanding Agile & Scrum | | Blimpe Odu | | |
| 02/04/2025 | QADEVOPSGIT | Introducing GIT | | Robert Hayn | | |
| 03/04/2025 | QAHTMLCSS | WEB Development Fundamentals HTML & CSS | | Jordan Harrison | | |
| 04/04/2025 | | | | Muhammad Sharfoeq | | |
| 04/04/2025 | | SupportNets Retrospective 1 | | Suzanne Vawdrey | | |
| Week 2 | | | | | | |
| 07/04/2025 | QAHTMLCSS | WEB Development Fundamentals HTML & CSS | MS Teams | Jordan Harrison | | |
| 08/04/2025 | | | | Jordan Harrison | | |
| 09/04/2025 | ZDWQAJSFUN | Web Development Fundamentals - JavaScript | | Jordan Harrison | | |
| 10/04/2025 | | | | Jordan Harrison | | |
| 11/04/2025 | | | | Suzanne Vawdrey | | |
| 11/04/2025 | | SupportNets Retrospective 2 | | | Suzanne Vawdrey | |
| Week 3 | | | | | | |
| 14/04/2025 | ZDWQAJSFUN | Web Development Fundamentals - JavaScript | MS Teams | Muhammad Sharfoeq | | |
| 15/04/2025 | ZDWQAJSFUN | React | | Muhammad Sharfoeq | | |
| 16/04/2025 | | | | Muhammad Sharfoeq | | |
| 16/04/2025 | | | | | | |
| Week 4 | | | | | | |
| 21/04/2025 | | | MS Teams | Muhammad Sharfoeq | | |
| 22/04/2025 | ZDWQAJSFUN | React | | Muhammad Sharfoeq | | |
| 23/04/2025 | | | | Muhammad Sharfoeq | | |
| 24/04/2025 | DWPPROJECT1 | Project 1 | | Muhammad Sharfoeq | | |
| 25/04/2025 | | | | Muhammad Sharfoeq | | |
| 25/04/2025 | | SupportNets Retrospective 3 | | MS Teams | Suzanne Vawdrey | |
| Break Week | | | | | | |
| Week 5 | | | | | | |
| 05/05/2025 | | | | Jordan Harrison | | |
| 06/05/2025 | DWPPROJECT1 | Project 1 | | Jordan Harrison | | |
| 07/05/2025 | | | | | | |

| | | | | | |
|------------|----------------------|---|----------|------------------|--|
| Break Week | | | | | |
| Week 5 | | | | | |
| 05/05/2025 | | | | Jordan Harrison | |
| 06/05/2025 | DWPPROJECT1 | Project 1 | | Jordan Harrison | |
| 07/05/2025 | | | | Muhammad Shafieq | |
| 08/05/2025 | OCDBSQL - OCDBSQL23M | Oracle Database 23ai: SQL Workshop | MS Teams | Muhammad Shafieq | |
| 09/05/2025 | | SupportNets Retrospective 4 | | Suzanne Vawdrey | |
| Week 6 | | | | | |
| 12/05/2025 | | | | Muhammad Shafieq | |
| 13/05/2025 | OCDBSQL - OCDBSQL23M | Oracle Database 23ai: SQL Workshop | | Muhammad Shafieq | |
| 14/05/2025 | | | | Muhammad Shafieq | |
| 15/05/2025 | QAIAWMAV | Developing Applications with Java and Maven | MS Teams | Jordan Harrison | |
| 16/05/2025 | | SupportNets Retrospective 5 | | Jordan Harrison | |
| Week 7 | | | | | |
| 19/05/2025 | | | | Suzanne Vawdrey | |
| 19/05/2025 | QAIAWMAV | Developing Applications with Java and Maven | | Jordan Harrison | |
| 20/05/2025 | | | | Jordan Harrison | |
| 21/05/2025 | QAIAWMAV | Developing Applications with Java and Maven | | Jordan Harrison | |
| 22/05/2025 | QAIAWMAV | Developing Applications with Java and Maven | | Jordan Harrison | |
| 23/05/2025 | QAIAWMAV | Developing Applications with Java and Maven | | Jordan Harrison | |
| Week 8 | | | | | |
| 26/05/2025 | | | | Suzanne Vawdrey | |
| 27/05/2025 | | | | Jordan Harrison | |
| 28/05/2025 | QAIAWMAV | Developing Applications with Java and Maven | | Jordan Harrison | |
| 29/05/2025 | | | | Jordan Harrison | |
| 30/05/2025 | DWPPROJECT2 | Project 2 | MS Teams | Jordan Harrison | |
| 30/05/2025 | | SupportNets Retrospective 7 | | Suzanne Vawdrey | |
| Week 9 | | | | | |
| 02/06/2025 | | | | Jordan Harrison | |
| 03/06/2025 | DWPPROJECT2 | Project 2 | | Jordan Harrison | |
| 04/06/2025 | | | | Jordan Harrison | |
| 05/06/2025 | | SupportNets Retrospective 9 | | Jordan Harrison | |
| 06/06/2025 | | Line Manager Retro | | Suzanne Vawdrey | |

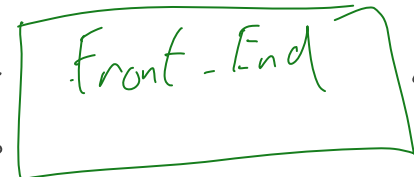
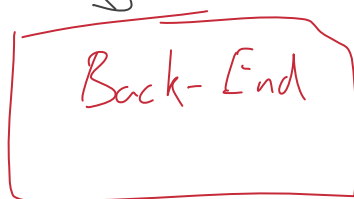
9:30 → 16:30

2 x 15 min breaks

1 x 60 min lunch

Jordan → 6 years

3 tier architecture
Server side (private) client side (public)



Stores

Does F.H.

Stores
data

Does things
Server
Business
Logic



Oracle DB

MySQL

MariaDB

Postgres

H2

Java

Python

C++

Rust

Ruby

C#

(C/C++)

HTML \rightarrow Structure

CSS \rightarrow Style

JavaScript \rightarrow Functionality

Hyper Text } Text on the web

Markup Language \rightarrow $\langle \text{tag} \rangle$
 \rightarrow $\langle / \text{tag} \rangle$

No. of programming lang.

No logic.
- Sust tags.

html
(groups head+body) \rightarrow

metadata \rightarrow
data about
data

Content \rightarrow

DTD Doc Type Definition sets html

version
(defaults to
newest)

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Document</title>
</head>

<body>
  fdfdfdfdf
```

Content →
is you want
it to appear
on the page
it goes here

```
<body>  
  fgfdgdfgd  
</body>  
  
</html>
```

<div> divider (groups elements together)

</div>

div is not descriptive



header (top)

article (article - sections of text)

section (part of an article) ^{on a particular topic}

nav → nav bar (where the links go)

aside → sidebar (index)

footer (bottom)

Links

Thursday, April 3, 2025 2:33 PM

`a` → anchor
'attribute' → where it
key = value → `href="URL"` → links to
``

Link Text

`` → Protocol
`https://www.bbc.co.uk`

Hyper
Text
Transfer
Protocol

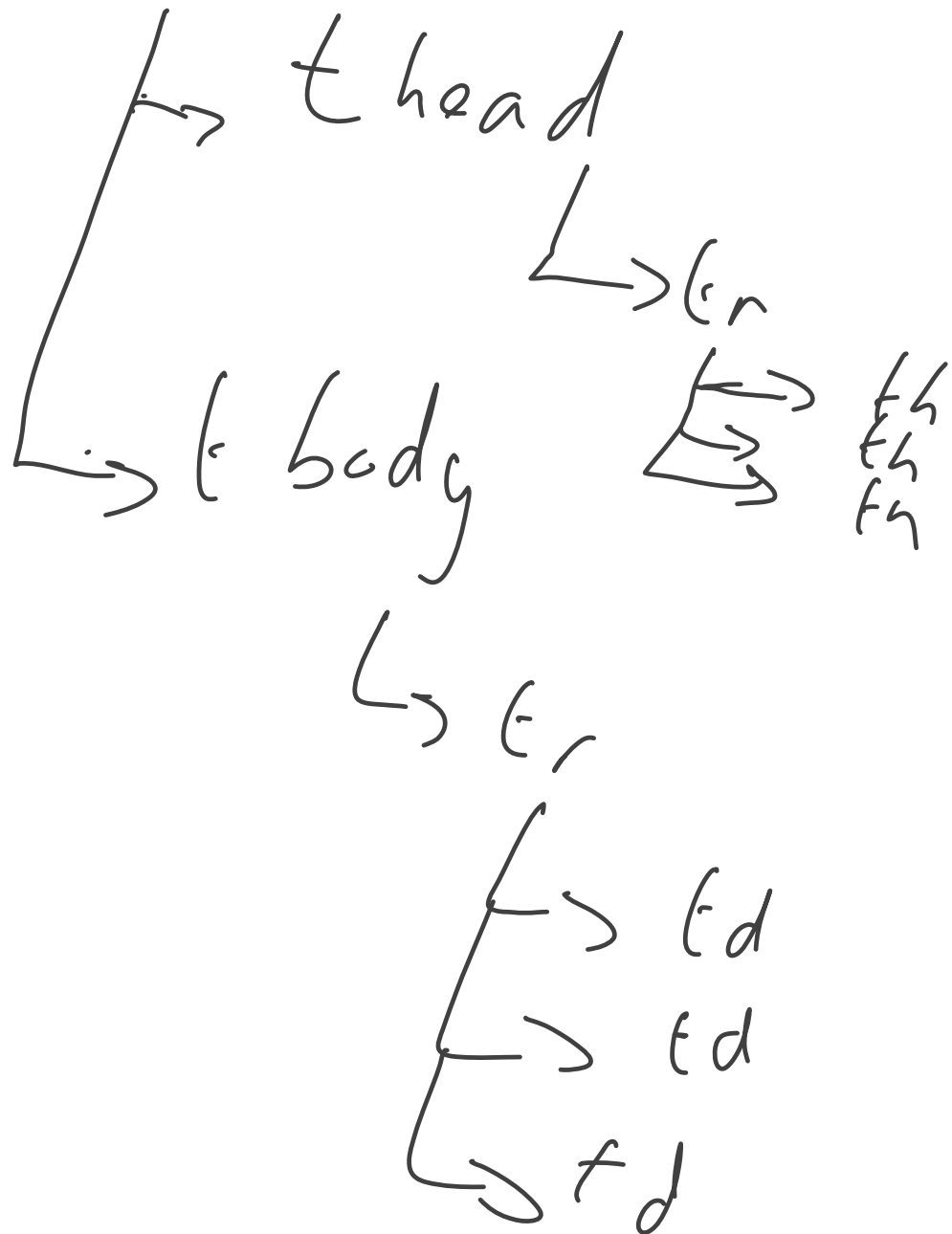
self-closing tag

Tables

Tuesday, April 8, 2025

9:45 AM

table



CSS → styles the page

cascading
style
sheets

inline → `style = " " " "` quick + nasty
only applies to
CANNOT be a single place
overridden
embedded → `<style>`
`</style>`
external → `<link` index.html
`rel = "stylesheet" index.css`
`href = ". /index.css"`
`>`

Rule

selector

[which
elements
you're
trying
to style]

`h2 {`
`color: green`
`}`

property + value

[what style
you're applying]

if 2 rules are

the same specificity
then the last one
wins

id \rightarrow unique identifier for a particular element

class \rightarrow group of elements

specificity

Tag < class < id

example

```
<h2 id="inputs">
Selector Specificity: (1, 0, 1)
h2#inputs {
  color: blue;
}
```

Annotations: "id" is circled in red, "h2" is circled in red, "tag" points to "h2", "css" points to the selector.

```
<h2 class="subheading">
Selector Specificity: (0, 1, 1)
h2.subheading {
  color: yellow;
}
```

P INSIDE
 \sim div

```
<div>
...
<p>
Selector Specificity: (0, 0, 2)
div p {
  color: purple;
}
```

Annotations: "div" is circled in red, "p" is circled in red, "1" points to "div", "2" points to "p".

DIRECT
child ONLY

```
<div>
<p>
Selector Specificity: (0, 0, 2)
div p {
  color: lightblue;
}
```

Annotations: "div" is circled in red, "p" is circled in red, "1" points to "div", "2" points to "p".

= specij.
so last
one
wins

```

<h2>
...
<a>
Selector Specificity: (0, 0, 2)
h2~a {
  color: red;
}

```

```

<h2>
<a>
Selector Specificity: (0, 0, 2)
h2+a {
  color: darkgreen;
}

```

attributes

sets data
about a tag

input type = 'text'

input type = 'password'

pseudo-classes

start with :

allow you to
select elements
under particular
circumstances

$2n+1$

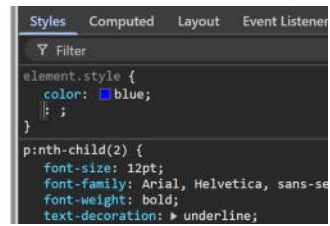
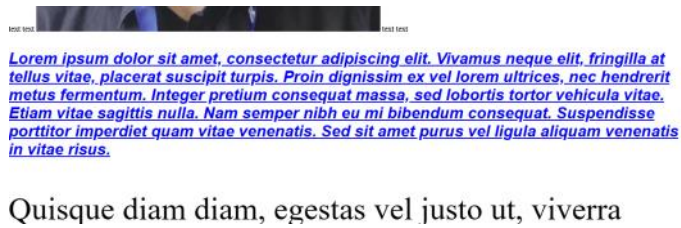
n starts
at 0

- 1) ~
- 2) ~
- 3) ~
- 4) ~
- 5) ~

$$2(0)+1 \rightarrow 1$$

$$2(1)+1 \rightarrow 3$$

$$2(n)+1 \rightarrow 5$$



Colours:

name \rightarrow e2, pre-defined

hex \rightarrow 0 \rightarrow 9, 000000 \rightarrow 999999
 0 \rightarrow F, 000000 \rightarrow FFFFFFFF

rgb \rightarrow red green blue
 0 \rightarrow 255

bits \rightarrow 0/1

bytes \rightarrow 8 bits \rightarrow [0/1]
 [0/1]
 [0/1]
 [0/1]
 [0/1]
 [0/1]
 [0/1]
 [0/1]

$$\begin{bmatrix} 0 & 1 \\ 0 & 1 \end{bmatrix}$$

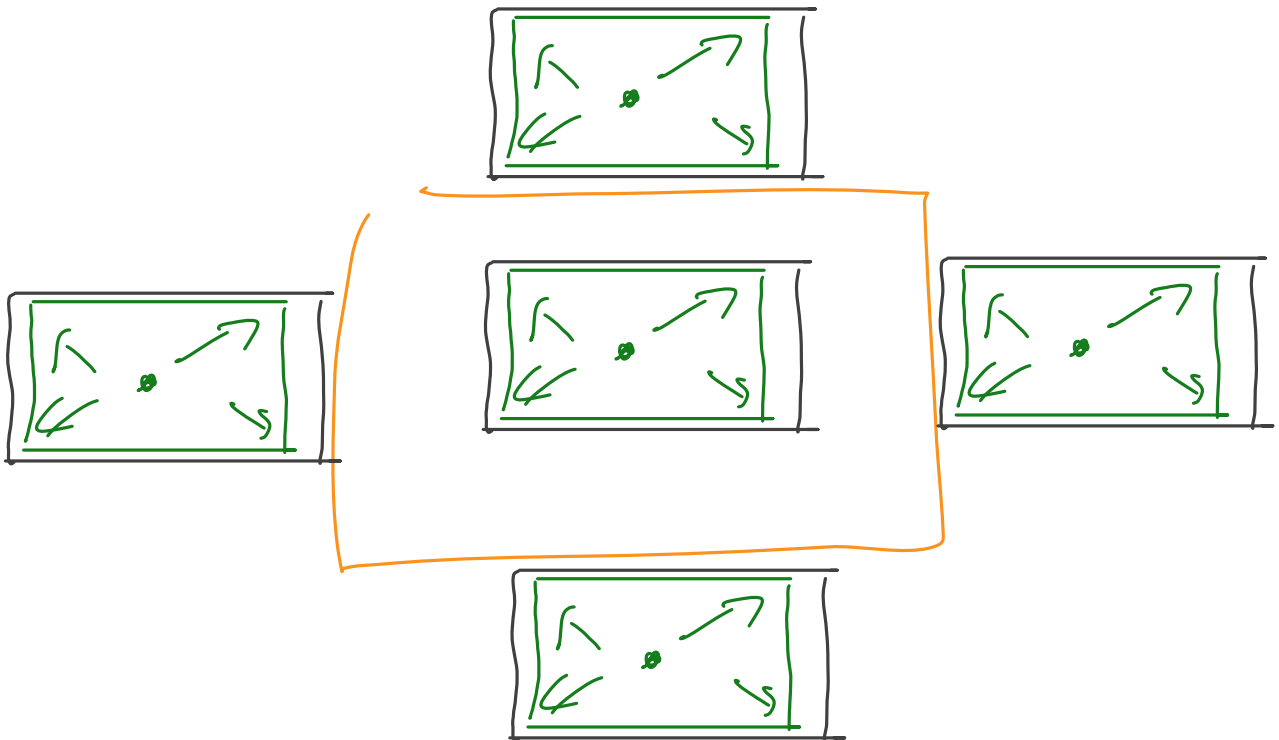
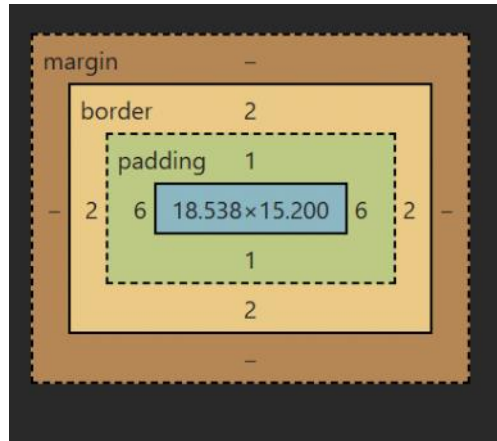
$$\underline{0} \quad \underline{0} \quad \underline{0} \quad \underline{0} \quad \underline{0} \quad \underline{0} \quad \underline{0} \quad \underline{0} \quad \rightarrow \quad \underline{1} \quad \underline{1} \quad \underline{1} \quad \underline{1} \quad \underline{1} \quad \underline{1} \quad \underline{1} \quad \underline{1}$$

$$2^8 \rightarrow$$

Box model

Monday, April 7, 2025 2:46 PM

padding → spaces out the border
border → area around an element
margin → spaces out the surrounding element





padding : 5px 15px 0px 0px
margin : left

margin - ✓
left
top
right
bottom

Block → takes up a whole line

Inline → only takes the space it needs

`<p> ... </p>`
`<p> ... </p>` → 

`<label> Name: </label>`
`<input type="text" />` → Name: 

top/left/btm/right

static → default
CANNOT
be moved

relative → moves it
from where it
would be
normally

absolute → like
relative
but it ignores
surrounding
elements

fixed → always positioned
relative to the
screen

sticky → looks normal
till you scroll past
it then it 'sticks'
and follows you as
you scroll

Positioning



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praese
aliquam sem placerat id. Aenean malesuada pellentesque elem

Positioning

Lorem
adipisc
aliquet
id. Aene
Mauris
vestibu
faucibu
consec
vel rut
faucibu
venenatis
Cras at aliquam mi. Duis nulla eros, venenatis
ornare pretium ac, eleifend sed lectus. Sed

Positioning Elements

Box Model

Input:

btn 1
btn 2
1 2

Float

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praese
aliquam sem placerat id. Aenean malesuada pellentesque elem

Positioning Elements

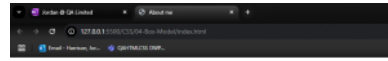
Box Model

Input:


btn 1
btn 2
1 2

Float

you scroll



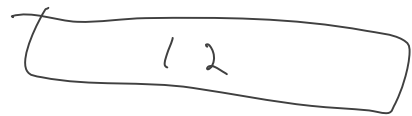
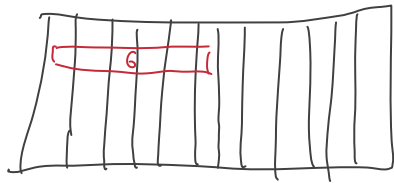
Positioning Elements

elementum.  Mauris feugiat tincidunt risus, scelerisque at. Praesent faucibus pharetra pharetra. ! laoreet, felis lacus eleifend libero, vel rutrum odio r

```
@media (max-width : ?) {  
  .col {  
    width : 40%;  
  }  
}
```

used for controlling page layout

grids have 12 columns

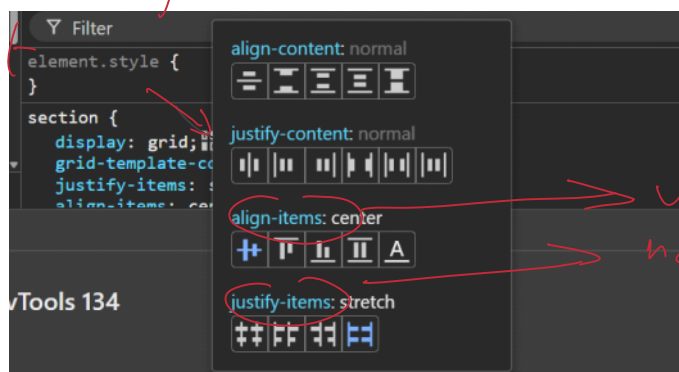


display: grid → enables the gridding

grid-template-columns → sets the columns

i.e. 1fr 1fr 1fr 1fr → relative
4 equally sized columns

opens the grid widget



vertical positioning
horizontal

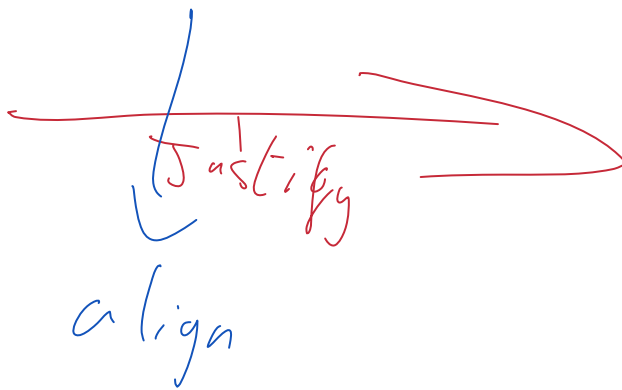
Similar to grids

display: flex;

no columns

used for controlling layout

justify content → position horizontally
align items → position vertically
direction

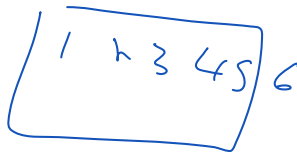


flex-wrap : wrap

1 2 3 4 5 | 6

1 2
3 4
5 6





```
flex-wrap: wrap-reverse;  
}  
nav {  
  flex-direction: row-reverse;  
}
```