LAYOUT THE WEB WITH CSS GRID
and the rest of team layout

#TeamWeb

Original image by the amazing Lin Clark
General agenda

- Introduction and set up
- Pre-grid techniques and concepts
- Flexbox basics
- Real-world application: Image gallery (part 1)
- Real-world application: Configuration page
- Grid basics
  - Defining a grid
  - Auto-placement
  - Flexible sizing
  - Manual placement
- Real-world application: Image gallery (part 2)
- Real-world application: Responsive dashboard
- Feature queries
- Real-world application: Artist profile page
Evolution of browsers

No layout → HTML Tables → CSS Floats → Frameworks → Grid and beyond
Pre-grid techniques

https://codepen.io/huijing/pen/KGOmLZ/
Flexbox basics

https://codepen.io/huijing/pen/NEPwoj/
Image gallery

https://codepen.io/huijing/pen/dQPZmL/
Configuration page

https://codepen.io/huijing/pen/GwgMJx/
Defining a grid

https://codepen.io/huijing/pen/mzKoNj/
The repeat() function

https://codepen.io/huijing/pen/XxveJe/
auto-fill versus auto-fit

https://codepen.io/huijing/pen/GYVyMX/)
grid-auto-row and grid-auto-column

https://codepen.io/huijing/pen/ePqyMz/
The grid-auto-flow property

https://codepen.io/huijing/pen/LgwegQ/
The `fr` unit

https://codepen.io/huijing/pen/WaVdLN/
The minmax() function

https://codepen.io/huijing/pen/jegYob/
Content-based sizing

https://codepen.io/huijing/pen/bmXLpd/
Image gallery (part 2)

https://codepen.io/huijing/pen/dQPZmL/
Line-based placement

https://codepen.io/huijing/pen/pxMaYp/
grid-column and grid-row

https://codepen.io/huijing/pen/zmgRgM/
The span keyword

https://codepen.io/huijing/pen/NOQYMM/
Using the grid-area shorthand

https://codepen.io/huijing/pen/vVoRzx/
Naming grid lines

https://codepen.io/huijing/pen/xyvWBZ/
Naming grid areas

https://codepen.io/huijing/pen/EdqLxP/
Responsive dashboard

https://codepen.io/huijing/pen/xQbXK0/
Feature queries

.selector {
    /* Styles that are supported in old browsers */
}

@supports (property:value) {
    .selector {
        /* Styles for browsers that support the specified property */
    }
}
Musician profile page

https://codepen.io/huijing/pen/bQNoeO/
Useful references

- CSS Grid Layout Module Level 1
- Codrops CSS Grid reference
- Grid by Example
- Learn CSS Grid
- Grid Auto-Placement is Ready
- Automatizing the Grid
- Deep Dive into Grid Layout Placement
- CSS Grid Layout and positioned items
- CSS Logical Properties and Values in Chromium and WebKit
- Changes on CSS Grid Layout in percentages and indefinite height
- The Story of CSS Grid, from Its Creators
- CSS Grid Layout is Here to Stay
- The New Layout Standard For The Web: CSS Grid, Flexbox And Box Alignment
- What Happens When You Create A Flexbox Flex Container?
- Everything You Need To Know About Alignment In Flexbox
- Use Cases For Flexbox
- Grid “fallbacks” and overrides
Thank you!

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