

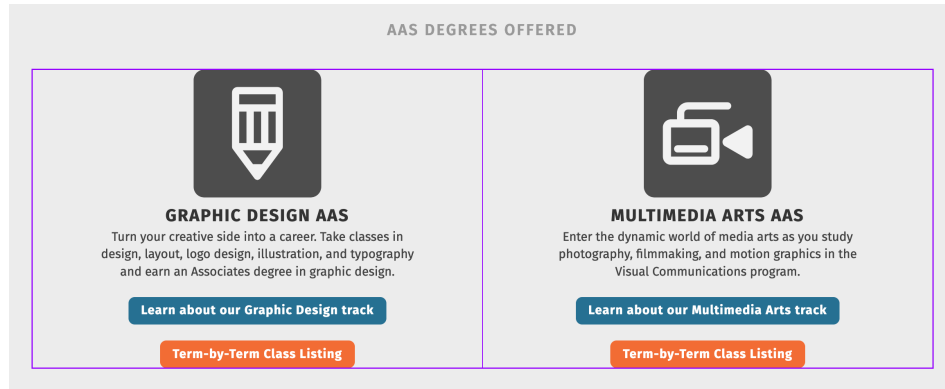
week::five

CSS Grid Systems & Design Resources

Grid Systems in CSS

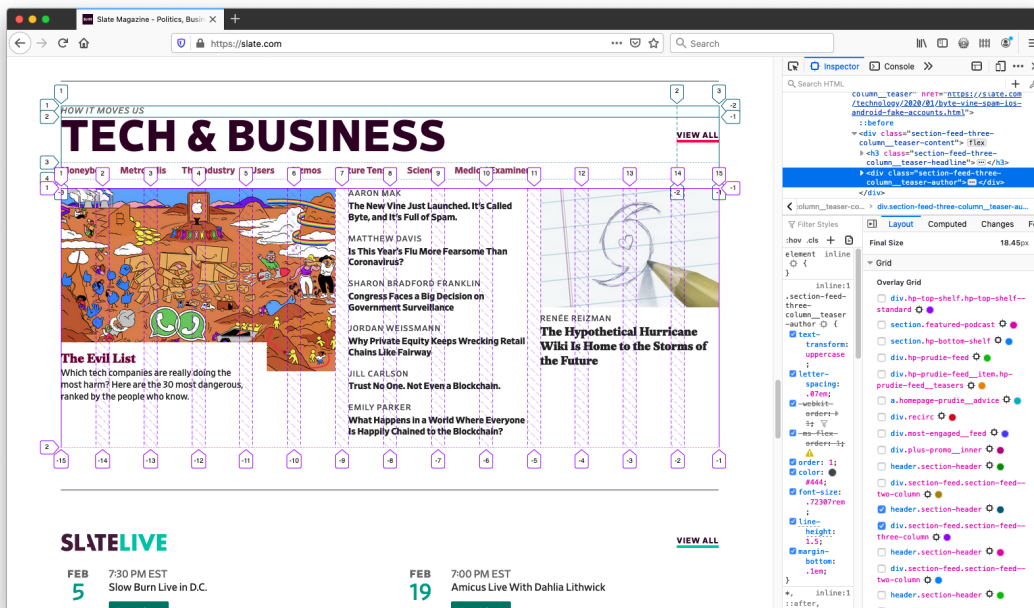
Flexbox

- One-dimensional grid for basic columnar layout.
- VC Website — <http://chemeketa.vc>



CSS Grid

- Two-dimensional grid system for CSS layout (columns & rows)
- Slate Magazine — <https://slate.com>
- Washington Post — <https://washingtonpost.com>
- View these websites in Firefox or Safari, and reveal the grids using the Web Inspector.



Corporate Grid Style Guide Examples

- MailChimp — <http://ux.mailchimp.com/patterns/grid>

CSS Frameworks Grid Systems

- *Bootstrap* — <https://getbootstrap.com/docs/4.4/layout/grid/>
 - Developed originally by Yahoo, Bootstrap uses a 12-column responsive grid for layout
- *Example Grid using Bootstrap* — <https://getbootstrap.com/docs/4.4/examples/grid/>
- Bootstrap grid details:

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra large ≥1200px
Max container width	None (auto)	540px	720px	960px	1140px
Class prefix	.col-	.col-sm-	.col-md-	.col-lg-	.col-xl-
# of columns	12				
Gutter width	30px (15px on each side of a column)				
Nestable	Yes				
Column ordering	Yes				

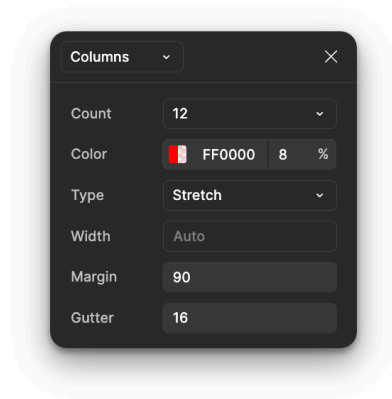
Grid System Resources for Design Apps

Grid Calculators

- *Gridulator* — <http://gridulator.com>
- *Grid Calculator* — <http://gridcalculator.dk>

Figma

- Grid options are under *Layout grid*
- In this class we'll primarily use the *Columns* option.
 - Other options are *Grid* and *Row*
- Grid can vary from Frame to Frame
- Can be saved as a Style for quick application to other Frames.
- Options include:
 - Number of columns
 - Gutter Width
 - Column Width
 - Margins (top/bottom/left/right, or all the same [shown])



Photoshop

- These are older systems but are interesting to study as reference.
- *960 Grid System* — <https://960.gs>
- *960GS Demo Grid* — <https://960.gs/demo.html>