# **UNIT 18**

**UX Syllabus**

* <https://docs.google.com/document/d/1TX-ev7X14ilYsOLeFlKVlkBrjYgW9JPkvjeUehiFEkI/edit>

**Coding Resources**

* [CSS Tricks](https://css-tricks.com/)
* [W3Schools](https://www.w3schools.com/)
* [CSS Grid Garden](https://cssgridgarden.com/)

**CSS Flexbox**

* [A Complete Guide to Flexbox](https://css-tricks.com/snippets/css/a-guide-to-flexbox/)
* [Tutorial: Flexbox Part 1](https://www.youtube.com/watch?v=z6tJ5ngiF14&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ)
* [Tutorial: Flexbox Part 2](https://www.youtube.com/watch?v=m9ie6Va6PPs&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=2)
* [Tutorial: Flexbox Part 3 - Flex Container](https://www.youtube.com/watch?v=wryMCOtEm6k&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=3)
* [Tutorial: Flexbox Part 4 - Flex Display](https://www.youtube.com/watch?v=Egqy7oOoNMw&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=4)
* [Tutorial: Flexbox Part 5 - Flex Direction](https://www.youtube.com/watch?v=ujXa2wQnAuU&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=5)
* [Tutorial: Flexbox Part 6- Flex Wrap](https://www.youtube.com/watch?v=4waW5jWrOAI&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=6)
* [Tutorial: Flexbox Part 7- Flex Flow](https://www.youtube.com/watch?v=PutFAACXwj4&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=7)
* [Tutorial: Flexbox Part 8- Justify Content](https://www.youtube.com/watch?v=b3xhm_2esTM&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=8)
* [Tutorial: Flexbox Part 9- Align Items](https://www.youtube.com/watch?v=XIJZjhqs7m0&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=9)
* [Tutorial: Flexbox Part 10- Align Content](https://www.youtube.com/watch?v=xr7Xc321wPw&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=10)
* [Tutorial: Flexbox Part 11- Flex Item Properties](https://www.youtube.com/watch?v=yPHplogOje4&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=11)
* [Tutorial: Flexbox Part 12- Flex Order](https://www.youtube.com/watch?v=JmkUww6cQk4&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=12)
* [Tutorial: Flexbox Part 13- Flex Grow](https://www.youtube.com/watch?v=S_qJqBqqLvk&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=13)
* [Tutorial: Flexbox Part 14- Flex Shrink](https://www.youtube.com/watch?v=15MPNYIAvUw&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=14)
* [Tutorial: Flexbox Part 15- Flex Basis](https://www.youtube.com/watch?v=uTgHui6paNY&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=15)
* [Tutorial: Flexbox Part 16- Flex](https://www.youtube.com/watch?v=kzH6Dh2kZVU&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=16)
* [Tutorial: Flexbox Part 17- Align Self](https://www.youtube.com/watch?v=6yzqhpxKh3E&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=17)
* [Tutorial: Flexbox Part 18- Practical Use Cases](https://www.youtube.com/watch?v=da8wa7ibaPs&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=18)
* [Tutorial: Flexbox Part 19- Build a Responsive Navbar](https://www.youtube.com/watch?v=RKL9Nkf1_N8&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=19)
* [Tutorial: Flexbox Part 20- Centering Items](https://www.youtube.com/watch?v=hMiBN6gysVM&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=20)
* [Tutorial: Flexbox Part 21- Variable Heights](https://www.youtube.com/watch?v=6O1tW7fVwtc&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=21)
* [Tutorial: Flexbox Part 21 - Holy Grail Layout](https://www.youtube.com/watch?v=lbTvAYGUxP4&list=PLC3y8-rFHvwg6rjbiMadCILrjh7QkvzoQ&index=22)

**CSS Grids**

* [A Complete Guide to CSS Grid](https://css-tricks.com/snippets/css/complete-guide-grid/)
* [W3Schools - Grid Documentation](https://www.w3schools.com/css/css_grid.asp)
* [Mozilla Developer Network - CSS Grid Introduction](https://developer.mozilla.org/en-US/docs/Web/CSS/grid)
* [CSS Tricks - A Complete Guide to Grid](https://css-tricks.com/snippets/css/complete-guide-grid/)
* [CSS Grid Codepen Example](https://codepen.io/crbecker1/pen/RwWvMGM)
* [CSS Nested Grid Example](https://codepen.io/crbecker1/pen/WNwQMdB)

**CSS Media Queries / Breakpoints**

* [Learn CSS Media Query In 7 Minutes Video](https://www.youtube.com/watch?v=yU7jJ3NbPdA)
* [Media Queries for Standard Devices](https://css-tricks.com/snippets/css/media-queries-for-standard-devices/)
* [CSS Media Queries & Using Available Space](https://css-tricks.com/css-media-queries/)
* [W3Schools - RWD Media Queries](https://www.w3schools.com/css/css_rwd_mediaqueries.asp).
* [W3Schools - Media Query Examples](https://www.w3schools.com/css/css3_mediaqueries_ex.asp).
* [Mozilla Developer Network - Media Queries](https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries/Using_media_queries).

**CSS Transitions and Animations**

* [CSS Animations](https://www.w3schools.com/css/css3_animations.asp)
* [CSS Transitions](https://www.w3schools.com/css/css3_transitions.asp)
* [CSS @keyframes Rule](https://www.w3schools.com/cssref/css3_pr_animation-keyframes.asp)
* [Animatable CSS properties](https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_animated_properties)
* [CSS 2D Transforms](https://www.w3schools.com/css/css3_2dtransforms.asp)
* [Slide Animation Demo](https://codepen.io/aghuber11/pen/WNbGwdN)
* [Animista.net](https://animista.net/play/basic/swing)
* [Webdesign Tuts - 15 CSS animations](https://webdesign.tutsplus.com/articles/15-inspiring-examples-of-css-animation-on-codepen--cms-23937)
* [W3School CSS animations](https://www.w3schools.com/css/css3_animations.asp)