**light-dark-mode**

-css variables

-css color palletes

-smooth-scroll

-setting and getting local storage

-string interpolation

**animated**

-Creative Tim

-CSS animations

-Animate on scroll library

**animation nation**

-https://developer.mozilla.org/en-US/docs/Web/CSS/Using\_CSS\_custom\_properties

-https://developer.mozilla.org/en-US/docs/Web/CSS/animation CSS Animations

-https://paletton.com/ Color Selection Tool

-https://www.w3schools.com/howto/howto\_css\_menu\_icon.asp W3Schools - Menu Icon

-https://unsplash.com Unsplash Images

-https://fonts.google.com Google Fonts

-stacking sudo classes

-hamburger icon

-overlays

**music player**

**-**box-shadows

-object-fit

-custom progress bars and button controls on audio element

-font-awesome icons

-user-select: none; prevents default text selection for icons

-audio.timeupdate

- innerText vs textContent

**custom-countdown**

-object position

-video backgrounds

-local storage

-keyframes

-infinite animations

-js dates

-min date

-JSON stringify

-JSON parse

-https://pixabay.com/videos/ Pixabay Stock Videos

-https://www.youcompress.com/ Video Compression Tool

**Bookmark Manager**

-https://www.heropatterns.com/ Hero Pattern Backgrounds

-https://fonts.google.com Google Fonts

-vertical-align: sub; align image with text

-Creating modals from scratch

-working with forms

-css variables

-Mozilla - Submit Event

-https://developer.mozilla.org/en-US/docs/Web/API/HTMLFormElement/submit\_event

-W3Schools - Prevent Default

-https://www.w3schools.com/jsref/event\_preventdefault.asp

-Mozilla - Regular Expressions

-https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Regular\_Expressions

-RegEx Playground Tool <https://regexr.com/>

Mozilla - localStorage

https://developer.mozilla.org/en-US/docs/Web/API/Window/localStorage

Mozilla - JSON Stringify

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/JSON/stringify

Mozilla - JSON Parse

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/parse>

-dynamic favicons

`${url}/favicon.ico`

**Video player**

Mozilla - Calc Method

-https://developer.mozilla.org/en-US/docs/Web/CSS/calc

-css that performs calcs, used on the progress bar width

- select:focus {

outline: none;

}

-https://www.w3schools.com/tags/ref\_av\_dom.asp Video DOM Reference

-seconds to minutes / seconds

- clicking on progress bar

-navigator.userAgent (tells us info about the current browser).

Mozilla - :valid pseudo class

<https://developer.mozilla.org/en-US/docs/Web/CSS/:valid>

**form validation**

Mozilla - Form Validation

https://developer.mozilla.org/en-US/docs/Learn/Forms/Form\_validation

Mozilla - Constraint Validation

https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/HTML5/Constraint\_validation

https://html.com/attributes/input-pattern/ RegEx Background Info

https://regexr.com/3bfsi RegEx Playground Tool (Password Pattern)

**Spock Rock**

-Js Modules

-:last-of-type pseudo class

- https://www.cssscript.com/confetti-falling-animation/ Confetti.js Library

**NASA**

**-**Loaf animations

<https://getloaf.io/>

[*https://api.nasa.gov/*](https://api.nasa.gov/) sign up for api key in prod

fetch requests to API

Lazy Loading Images

*W3Schools - includes()*

<https://www.w3schools.com/jsref/jsref_includes.asp>

*W3Schools - JSON.stringify*

<https://www.w3schools.com/js/js_json_stringify.asp>

*W3Schools - JSON.parse*

<https://www.w3schools.com/js/js_json_parse.asp>

*Mozilla - Object.values*

[*https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_objects/Object/values*](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_objects/Object/values)

DO LAZY LOAD IN PORT loading = ‘lazy on img tags

**Math sprint**

***W3Schools - Hide Scrollbars***

[**https://www.w3schools.com/howto/howto\_css\_hide\_scrollbars.asp**](https://www.w3schools.com/howto/howto_css_hide_scrollbars.asp)

***Mozilla - Math.random()***

[**https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/Math/random**](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Math/random)

***StackOverflow - How to Shuffle an Array***

[**https://stackoverflow.com/questions/2450954/how-to-randomize-shuffle-a-javascript-array**](https://stackoverflow.com/questions/2450954/how-to-randomize-shuffle-a-javascript-array)

***Mozilla – Scroll - AUTOMATIC***

[**https://developer.mozilla.org/en-US/docs/Web/API/Element/scroll**](https://developer.mozilla.org/en-US/docs/Web/API/Element/scroll)

***W3Schools - JS Timing Events***

[***https://www.w3schools.com/js/js\_timing.asp***](https://www.w3schools.com/js/js_timing.asp)

**.removeEventListener('click', startTimer);**

***Mozilla - Number.toFixed()***

[***https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/Number/toFixed***](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number/toFixed)

**Kanban Board**

*CSS Tricks - Custom Scrollbars*

<https://css-tricks.com/the-current-state-of-styling-scrollbars/>

-flex 1 evenly divides space

*W3Schools - Drag and Drop*

<https://www.w3schools.com/html/html5_draganddrop.asp>

*W3Schools - ondragenter Event*

<https://www.w3schools.com/tags/att_ondragenter.asp>

*Mozilla - Editable Content*

<https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/Editable_content>

*Mozilla - focusout Event*

<https://developer.mozilla.org/en-US/docs/Web/API/Element/focusout_event>

*Mozilla - Array.filter()*

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/filter>

**Map vs for loop:**[**https://stackoverflow.com/questions/29640254/when-why-to-use-map-reduce-over-for-loops**](https://stackoverflow.com/questions/29640254/when-why-to-use-map-reduce-over-for-loops)

**Calculator**

*Gradient Background CSS*

<https://uigradients.com/#MoonlitAsteroid>

*W3Schools - Custom Scrollbar CSS*

<https://www.w3schools.com/howto/howto_css_custom_scrollbar.asp>

***Mozilla - CSS Grid Layout***

[**https://developer.mozilla.org/en-US/docs/Web/CSS/CSS\_Grid\_Layout**](https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Grid_Layout)

***Mozilla - CSS Grid Column***

[**https://developer.mozilla.org/en-US/docs/Web/CSS/grid-column**](https://developer.mozilla.org/en-US/docs/Web/CSS/grid-column)

***Mozilla - CSS Grid Row***

[**https://developer.mozilla.org/en-US/docs/Web/CSS/grid-row**](https://developer.mozilla.org/en-US/docs/Web/CSS/grid-row)

**Splash Page**

*Figma - Overview for Developers*

<https://www.figma.com/best-practices/tips-on-developer-handoff/an-overview-of-figma-for-developers/>

*Figma - Example Project*

<https://www.figma.com/file/4KIM14zOqqIKRuF8kBtHGs/Showcase-Website?node-id=1%3A2>

*Google Fonts*

[https://fonts.google.com](https://fonts.google.com/)

Hero Patterns - SVG Background Generator

https://www.heropatterns.com/

Gradient Background CSS

<https://uigradients.com/>

**Paint clone**

[**https://fontawesome.com/icons?d=gallery&m=free**](https://fontawesome.com/icons?d=gallery&m=free)

***W3Schools - Custom Input Range Slider***

[**https://www.w3schools.com/howto/howto\_js\_rangeslider.asp**](https://www.w3schools.com/howto/howto_js_rangeslider.asp)

***JSColor - Library***

[**https://jscolor.com/**](https://jscolor.com/)

***Mozilla - Drawing Shapes on Canvas***

[**https://developer.mozilla.org/en-US/docs/Web/API/Canvas\_API/Tutorial/Drawing\_shapes**](https://developer.mozilla.org/en-US/docs/Web/API/Canvas_API/Tutorial/Drawing_shapes)

***W3Schools - Mouse Events***

[**https://www.w3schools.com/jsref/obj\_mouseevent.asp**](https://www.w3schools.com/jsref/obj_mouseevent.asp)

***Mozilla - Canvas getBoundingClientRect()***

[**https://developer.mozilla.org/en-US/docs/Web/API/Element/getBoundingClientRect**](https://developer.mozilla.org/en-US/docs/Web/API/Element/getBoundingClientRect)

***Mozilla - Canvas 2D Context***

[**https://developer.mozilla.org/en-US/docs/Web/API/CanvasRenderingContext2D**](https://developer.mozilla.org/en-US/docs/Web/API/CanvasRenderingContext2D)

***Mozilla - Canvas toDataURL()***

[**https://developer.mozilla.org/en-US/docs/Web/API/HTMLCanvasElement/toDataURL**](https://developer.mozilla.org/en-US/docs/Web/API/HTMLCanvasElement/toDataURL)

***Mozilla - Canvas toDataURL()***

[**https://developer.mozilla.org/en-US/docs/Web/API/HTMLCanvasElement/toDataURL**](https://developer.mozilla.org/en-US/docs/Web/API/HTMLCanvasElement/toDataURL)

**FAQ-BOXES**

1. Font awesome icons in CSS
2. Access parentNode and toggle class
3. toggles.forEach((*toggle*) => {
4. *toggle*.addEventListener('click', () => {
5. *toggle*.parentNode.classList.toggle('active');
6. })
7. })

**Drink Water**

function highlightCups(idx) {

    if (smallCups[idx].classList.contains('full') && !smallCups[idx].nextElementSibling.classList.contains('full')) {

        idx--;

    }

    smallCups.forEach((cup, idx2) => {

        if (idx2 <= idx) {

            cup.classList.add('full');

        } else {

            cup.classList.remove('full');

        }

    })

}

**BackGround Slider**

1. Cool use of calc

**Theme Clock**

1. Use of transform origin to move the needle like a real clock

**Button Ripple**

1. Finding clicks on the DOM
2. Creating animations with keyframes

**STICKY NAV**

1. Good way to add an overlay to divs

**NOTES**

1. Using marked library