natUIve framework

Element	Code	Options

Grid	`<div class=row>`
	
	   `<div> … </div>`
	   …
	
	`</div>`
	
	Options
	
	• Columns: just a `div`, .col3, .col23, .col34 etc.
	• `.contain` constrains to standard page width
	• Columns have equal width automatically. If a column gets explicit width, the others divide the rest equally among themselves. When columns become too narrow for one row, they are wrapped to another row automatically.
	• `.row.half` for 2-column row on mobile
	• `.row.border` for column borders
	• use `.pad` or `.pad-x2` for padding; `.unpad` for enlarging with negative margin
	• embed `.box` in cells for boxes with different background, border etc.
	• `.row.border-all` for borders around each cell
		• cell alignment classes: `.align-right`, `.align-center`, `.align-top`, `.align-middle`, `.align-bottom`. Vertically-Aligned elements must be wrapped inside an extra div. `.row` inherits alignment
		• `.align-children` inherits alignment
		• `.row > .vertical-row` – vertical row as tall as the parent row with equal-height full-width children
		• `.row.no-spacing` glues the cells together (CSS variables support required)
		• `.row.no-padding` columns without padding (CSS variables support required)
		• `.row.no-margin` for no gutter between columns (CSS variables support required)
		• `.row > .full-mobile-width` for full width columns on mobile

Mobile/Desktop Content	`<div class=narrow-screen>`
	   …
	`</div>`
	
	`<div class=wide-screen>`
	   …
	`</div>`	

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Element	Code	Options

Structure	```<div class=header-and-banner>```
	
	    ```<header>```
	        …
	    ```</header>```
	
	    ```<div class=banner>```
	
	    ```</div>```
	
	```</div>```
	
	```<main id=content>```
	
	    ```<section class=contain>```
	            …
	    ```</section>```
	        …
	```</main>```
	
	```<footer>```
	
	    …
	
	```</footer>```
		• `.header-and-banner.viewport` sets header/banner to viewport height. `.viewport.push-up` to move the content upwards for a better visual balance
		• `section` clears inner margins at top/bottom
		• `header.fixed` for fixed header on top on narrow screens

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Element	Code	Options

Modal Window	`<a href=page.html#container class=modal>`
	
	`    Open in modal window`
	
	`</a>`
		• `#container` is recommended to avoid HTML head parts
		• `openFullWindow(HTML)` shows the HTML code in a modal window.
		• `openFullWindow(HTML, '0% { … } 100% { … }')` for custom animation, automatically reversed on close
		• `a.modal[data-anim]` parameter specifies custom animation
		• `a.limited` for limited width/height modal window
		• Modals with id matching the URI hash are opened automatically

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Element	Code	Options

Slider	`<div class=slider data-autoslide=5 data-duration=.5>`
	
	    `<div> … </div>`
	    `…`
	
	`</div>`
	
	Options
	
	• `slider.tabs` makes thumbnail navigation instead of numbered one. Tab titles from a `.tab-title` child or a `data-tab_title` attribute. Supports `.top.tabs,` optional `.slider.wrap` for auto-width tab links
	• `data-autoslide=5` slides to next slide after a 5" delay
	• Create sliders dynamically with `makeSlider(el)`
	• `.slider.vertical-thumbnails` option
	• `.slider.vertical` option
	• `.slider.full-window` option
	• `.slider.full-window.headless` option
	• `data-duration=x` option for x seconds of sliding animation
		• `.slider.center` centers slides content
		• `.slider.auto-height` matches slider height to the current slide
		• `.slider.fade` to fade in/out instead of sliding
		• `.vertical.right, .vertical.tabs.right`
		• `.slider.pad` for outside controls
		• `.slider.align-middle` to vertically center slides (requires extra slide content wrapper)
		• To detach nav from slider, prepare a `.slider#id` and `.slider-nav[data-for=id]`
		• `url#hash` auto slides a slider with `slide#hash` to that one.

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Element	Code	Options

Tooltip	``````
	
	    ```Hover for a tip```
	    ``` Info ```
	    ```…```
	
	``````	

Accordion (Fold)	```<div class=fold>```
	
	    ```<div class=label> Label </div>```
	
	    ```<input type=checkbox class=trigger>```
	
	    ```<div class=content> … </div>```
	
	```</div>```
		• Embedded accordions supported
		• Optionally open by default with `.aria-expanded=true`
		• Content's CSS variable `--start-height` truncates it to the specified height.
		• `.fold.horizontal`, needs extra wrapper inside `.content`

Buttons	``` Call to Action ```	• `.big` option • wrap a group of buttons in `.group`

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Element	Code	Options

Forms	```<form>```
	
	 ``` <label>```
	 ``` Description ```
	 ``` <input> // <textarea></textarea>```
	 ``` </label>```
	
	 ``` <label>```
	 ``` Select a file```
	 ``` ```
	 ``` <input type=file>```
	 ``` ```
	 ``` ```
	 ``` </label>```
	
	 ``` <div class=checkbox>```
	 ``` Description for all checkboxes```
	 ``` <label>```
	 ``` <input type=checkbox> <b class=checkbox-icon> Specific description```
	 ``` </label>```
	 ``` …```
	 ``` </div>```
	
	 ``` <label>```
	
	 ``` Select Description ```
	 ``` <select> … </select>```
	
	 ``` </label>```
	
	 ``` …```
	 ``` <input type=submit>```
	
	 ```</form>```
		• Description with Tooltip: ```Description ```
		 • ```<label class=mandatory>```
		 • ```form.mast``` for a balanced layout with labels in left column and inputs on right column
		 • ```<input type=number data-digits=4>```
		 • ```form.wide``` for 100% wide inputs
		 • ```form.sticky-submit``` positions the submit button to the right/center of the form
		 • ```form.dynamic``` submits without reloading the page and displays the result in a modal window
		 • ```form { --placeholder_color: #aaa; }``` is the custom placeholder colour variable
		 • ```fieldset[disabled]``` is toggled by its previous sibling ```.checkbox.condition```
		 • Set the placeholder colour with CSS variable – ```placeholder_color```
		 • ```<textarea data-auto …``` to automatically adjust the height

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Element	Code	Options

Lightbox	`<div class=lightbox>`
	
	`    <a href=1.png title=Image 1> Click for Image 1 </a>`
	`    <a href=2.png> <img src=thumbnail.png alt=Thumbnail> </a>`
	`    …`
	
	`</div>`
		When clicked, a `.lightbox` child link to image forms a common slider gallery with its siblings.
		• `lightbox.full-screen` option
		• Use `http://url#lightbox_id` to open it automatically on page load
		• `url?slide=n#lightbox_id` opens nth slide of that lightbox
		• `url?image=image_name.jpg#lightbox_id` opens that image's slide
		• `a.video`
		• `a.iframe`
		• `.thumbnails` for thumbnail controls.
		• `.inline` for an inline lightbox.
		• `.inline.thumbnails.outside` for outside-positioned controls.
		• Lightbox with `id` provides links to individual slides
		• `.lightbox[data-anim]` parameter specifies custom animation

Quote	`<p class=quote>`
	`    …`
	`</p>`	

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Element	Code	Options

Aspect ratio image container	```<picture class=aspect style="--ratio: Ratio">```
	
	`    <img src=image.jpg alt=''>`
	
	`</picture>`
		Ratio = x/y. Works only when container is 100% wide.

Masonry CSS-only	```<div class=masonry>```
	`    <div> <p>Column</p> </div>`
	`    …`
	`</div>`
		CSS columns with vertically optimised cell positioning. Masonry effect (vertical track only).

Tables		`<td data-sort>` makes a column sortable. The `data-sort` value can be unspecified, **asc** or **desc**.

Top navigation	`<header>`
	`    <div class='fold mobile'>`
	`        <div class=label> <span class="burger"></span> </div>`
	`        <input type=checkbox class=trigger>`
	`        <div class=content>`
	`            <nav>`
	`            …`
	`            </nav>`
	`        </div>`
	`    </div>`
	`</header>`
		Hidden and burgerised on mobile
		• `header.fixed` option

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Element	Code	Options
Drop-down nav	<pre><code><nav class=drop>

            <a>One
            <input type=checkbox>

                    <a>Middle One
                    <input
type=checkbox>

                            <a
href=#>Bottom One

</nav></code></pre> | |
| **Scrollable nav** | <pre><code><nav class=scroll>

     …

</nav></code></pre> | • overflowing navigation to scroll horizontally instead of wrap on new lines. |
| **Drop caps** | <pre><code><p class=drop-cap>
    …
</p></code></pre> | • larger first letter |

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Element	Code	Options

CSS-only parallax scrolling	```<html class=parallax>```
	   ```<head> … </head>```
	   ```<body>```
	
	      ```<div class=parallax-back> …```
	```</div>```
	
	      ```<div class=parallax-front> …```
	```</div>```
	
	    ```</body>```
	```</html>```
		• ```.parallax-back``` is the back layer, scrolling slower than the front layer ```.parallax-front```

Right to left language support	```<body dir=rtl>```	

Cards	```<div class=card>```
	
	    ```<div class=head> … </div>```
	    ```<div class=content> … </div>```
	
	```</div>```
		• ```.head.image``` with inline CSS for ```background-image```

Notification bar	```<body>```
	   ```<div class=notify> … </div>```
	   …
	```</body>```
		• option ```.fixed```
		• create dynamically by ```notify('Message')``` with optional parameter ```'fixed'```
		• if already present in HTML statically, close action will work
		• ```notify('Text', 'timeout')``` to hide it after 2 seconds.

Lists	``` ```
	   ``` … ```
	   …
	``` ```
		• ```ul.inline``` orders items on one line
		• ```ul.indent```

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Element	Code	Options
Typography		• option `.big-text`
Copy to clipboard by JavaScript	`copyButton (el, target)`	• `el` is the button element, `target` is the source of the clipboard text • Third parameter echoes content in a notification bar

Language selector	`<form class=language>`
	`<label class=select>`
	
	`<select name=l>`
	
	`<option value=en>`🇬🇧 `English</option>`
	…
	
	`</select>`
	`</label>`
	`</form>`
		• Navigates to `url?l=en`

Links	`<a href=# class="span-relative-parent"></a>`	• Overlays a link over its whole parent container

Fixed background section	`<div class=fixed-bg style="background-image: url(image.jpg)">`
	`    <div class=fixed-bg-image></div>`
	`    `…
	`</div>`
		• `.fixed-bg` – element as a window to an image spanning the viewport. Needs inline `background-image`.

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Element	Code	Options

Scroll threshold	`<div data-threshold>`
	
	  …
	
	`</div>`
		• Adds CSS variable `--threshold` showing how much of the element height has been scrolled up outside of viewport, 0.0 ~ 1.0.
		• `--height` is the element height, for calculations
		• When all of it is above the viewport, the element gets a `.threshold` class

NPM install	`npm install --save-dev natuive`
	
	`require('./node_modules/natuive/dist/natuive.min.js');`
	`require('./node_modules/natuive/dist/natuive.min.css');`
	`require('./node_modules/natuive/dist/natuive-extra.min.css');`	