

# natUlive framework

Element	Code	Options
<b>Grid</b>	<pre>&lt;div class=row&gt;      &lt;div&gt; ... &lt;/div&gt;     ...  &lt;/div&gt;</pre> <p><b>Options</b></p> <ul style="list-style-type: none"><li>• Columns: just a div, .col3, .col23, .col34 etc.</li><li>• .contain constrains to standard page width</li><li>• 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.</li><li>• .row.half for 2-column row on mobile</li><li>• .row.border for column borders</li><li>• use .pad or .pad-x2 for padding; .unpad for enlarging with negative margin</li><li>• embed .box in cells for boxes with different background, border etc.</li><li>• .row.border-all for borders around each cell</li></ul>	<ul style="list-style-type: none"><li>• 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</li><li>• .align-children inherits alignment</li><li>• .row.vertical – vertical row as tall as the parent row with equal-height full-width children</li><li>• .row.no-spacing glues the cells together (CSS variables support required)</li><li>• .row.no-padding columns without padding (CSS variables support required)</li><li>• .row.no-margin for no gutter between columns (CSS variables support required)</li><li>• .row &gt; .n-full-mobile-width for full width columns on mobile</li></ul>
<b>Mobile/Desktop Content</b>	<pre>&lt;div class=n-narrow-screen&gt;     ... &lt;/div&gt;  &lt;div class=n-wide-screen&gt;     ... &lt;/div&gt;</pre>	

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<b>Structure</b>	<pre> &lt;div class=header-and-banner&gt;      &lt;header class="n-header"&gt;         ...     &lt;/header&gt;      &lt;div class=n-banner&gt;      &lt;/div&gt;  &lt;/div&gt;  &lt;main id=content&gt;      &lt;section class=contain&gt;         ...     &lt;/section&gt;     ... &lt;/main&gt;  &lt;footer class="n-footer"&gt;      ...  &lt;/footer&gt; </pre>	<ul style="list-style-type: none"> <li>• <code>.header-and-banner.n-viewport</code> sets header/banner to viewport height. <code>.n-viewport.n-push-up</code> to move the content upwards for a better visual balance</li> <li>• <code>section</code> clears inner margins at top/bottom</li> <li>• <code>header.n-fixed</code> for fixed header on top on narrow screens</li> </ul>
<b>Modal Window</b>	<pre> &lt;a href=page.html#container class=n-modal&gt;      Open in modal window  &lt;/a&gt; </pre>	<ul style="list-style-type: none"> <li>• <code>#container</code> is recommended to avoid HTML head parts</li> <li>• <code>nui.openFullWindow(HTML)</code> shows the HTML code in a modal window.</li> <li>• <code>nui.openFullWindow(HTML, '0% { ... } 100% { ... }')</code> for custom animation, automatically reversed on close</li> <li>• <code>a.n-modal[data-anim]</code> parameter specifies custom animation</li> <li>• <code>a.n-modal--limited</code> for limited width/height modal window</li> <li>• Modals with id matching the URI hash are opened automatically</li> </ul>

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Slider	<pre>&lt;div class=n-slider data- autoslide=5 data-duration=.5&gt;      &lt;div&gt; ... &lt;/div&gt;     ... &lt;/div&gt;</pre> <p><b>Options</b></p> <ul style="list-style-type: none"><li>• <code>.n-slider.n-tabs</code> makes thumbnail navigation instead of numbered one. Tab titles from a <code>.n-tab-title</code> child or a <code>data-tab_title</code> attribute. Supports <code>.n-slider-top.n-tabs</code>, optional <code>.n-slider.wrap</code> for auto-width tab links</li><li>• <code>data-autoslide=5</code> slides to next slide after a 5" delay</li><li>• Create sliders dynamically with <code>nui.componentSlider.makeSlider(el)</code></li><li>• <code>.n-slider.vertical-thumbnails</code> option</li><li>• <code>.n-slider.n-slider--vertical</code> option</li><li>• <code>.n-slider.n-full-window</code> option</li><li>• <code>.n-slider.n-full-window.headless</code> option</li><li>• <code>data-duration=x</code> option for x seconds of sliding animation</li><li>• <code>data-peek=20%</code> to peek at neighboring slides, where 20% becomes 20% padding on left and right</li></ul>	<ul style="list-style-type: none"><li>• <code>.n-slider.n-slider--center</code> centers slides content</li><li>• <code>.n-slider.n-slider--auto-height</code> matches slider height to the current slide</li><li>• <code>.n-slider.fade</code> or <code>.n-slider.fade-overlap</code> to fade in/out instead of sliding</li><li>• <code>.n-slider--vertical.n-slider--right</code>, <code>.n-slider-vertical.n-tabs.n-slider--right</code></li><li>• <code>.n-slider.pad</code> for outside controls</li><li>• <code>.n-slider.align-middle</code> to vertically center slides (requires extra slide content wrapper)</li><li>• To detach nav from slider, prepare a <code>.n-slider#id</code> and <code>.n-slider--nav[data-for=id]</code></li><li>• <code>url#hash</code> auto slides a slider with <code>slide#hash</code> to that one.</li></ul>

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Element	Code	Options
<b>Tooltip</b>	<pre>&lt;span class=n-tool&gt;      &lt;span class=n-tool--label&gt;Hover     for a tip&lt;/span&gt;     &lt;span class=n-tool--tip&gt; Info &lt;/span&gt;     ...  &lt;/span&gt;</pre>	
<b>Accordion (Fold)</b>	<pre>&lt;div class=n-fold&gt;      &lt;div class=n-fold--label&gt; Label &lt;/div&gt;      &lt;input type=checkbox class=n- trigger&gt;      &lt;div class=n-fold--content&gt; ... &lt;/ div&gt;  &lt;/div&gt;</pre>	<ul style="list-style-type: none"><li>• Embedded accordions supported</li><li>• Optionally open by default with <code>.aria-expanded=true</code></li><li>• Content's CSS variable <code>--start-height</code> truncates it to the specified height.</li><li>• <code>.n-fold.n-fold--horizontal</code>, needs extra wrapper inside <code>.n-fold-content</code></li><li>• <code>.n-fold.n-fold--mobile</code> is closed behind a burger on mobile</li></ul>
<b>Buttons</b>	<pre>&lt;a href=# class=button&gt; Call to Action &lt;/a&gt;</pre>	<ul style="list-style-type: none"><li>• <code>.button-big</code> option</li><li>• wrap a group of buttons in <code>.button-group</code></li></ul>

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Element	Code	Options
<b>Forms</b>	<pre> &lt;form class=n-form&gt;      &lt;label&gt;         &lt;span&gt; Description &lt;/span&gt;         &lt;input&gt; // &lt;textarea&gt;&lt;/ textarea&gt;     &lt;/label&gt;      &lt;label&gt;         &lt;span&gt;Select a file&lt;/span&gt;         &lt;span class=n-form--file&gt;             &lt;input type=file&gt;             &lt;span&gt;&lt;/span&gt;         &lt;/span&gt;     &lt;/label&gt;      &lt;div class=n-form--check&gt;         &lt;span&gt; Description for all checkboxes&lt;/span&gt;         &lt;label&gt;             &lt;input type=checkbox&gt; &lt;b class=n-form--check-icon&gt; &lt;/ b&gt;Specific description         &lt;/label&gt;         ...     &lt;/div&gt;      &lt;label&gt;          &lt;span&gt; Select Description &lt;/span&gt;         &lt;select&gt; ... &lt;/select&gt;      &lt;/label&gt;      ...     &lt;input type=submit&gt;  &lt;/form&gt; </pre>	<ul style="list-style-type: none"> <li>• Description with Tooltip:             <pre> &lt;span class=n- tool&gt;Description &lt;span class=n-tool- tip&gt; &lt;/span&gt; &lt;/span&gt; </pre> </li> <li>• &lt;label class=n-form--mandatory&gt;</li> <li>• .n-form.n-form--mast for a balanced layout with labels in left column and inputs on right column</li> <li>• &lt;input type=number data-digits=4&gt;</li> <li>• .n-form.n-form-wide for 100% wide inputs</li> <li>• .n-form.sticky-submit positions the submit button to the right/center of the form</li> <li>• .n-form.n-form--dynamic submits without reloading the page and displays the result in a modal window</li> <li>• form { --placeholder_color: #aaa; } is the custom placeholder colour variable</li> <li>• fieldset[disabled] is toggled by its previous sibling .n-form-check.n-form--condition</li> <li>• Set the placeholder colour with CSS variable – placeholder_color</li> <li>• &lt;textarea data-auto ... to automatically adjust the height</li> <li>• data-digits=x in a number input requires x digits</li> <li>• Range input's thumb background is taken from the --thumb-color CSS variable.</li> </ul>

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<b>Lightbox</b>	<pre>&lt;div class=n-lightbox&gt;      &lt;a href=1.png title=Image 1&gt; Click for Image 1 &lt;/a&gt;     &lt;a href=2.png&gt; &lt;img src=thumbnail.png alt=Thumbnail&gt; &lt;/ a&gt;     ...  &lt;/div&gt;</pre>	<p>When clicked, a .n-lightbox child link to image forms a common slider gallery with its siblings.</p> <ul style="list-style-type: none"><li>• n-lightbox.n-full-screen option</li><li>• Use http://url#lightbox_id to open it automatically on page load</li><li>• url?slide=n#lightbox_id opens nth slide of that lightbox</li><li>• url?image=image_name.jpg#lightbox_id opens that image's slide</li><li>• a.video</li><li>• a.iframe</li><li>• .n-slider--thumbnails for thumbnail controls.</li><li>• .n-lightbox--inline for an inline lightbox.</li><li>• .inline.n-slider--thumbnails.n-slider--outside for outside-positioned controls.</li><li>• Lightbox with id provides links to individual slides</li><li>• .n-lightbox[data-anim] parameter specifies custom animation</li></ul>
<b>Quote</b>	<pre>&lt;p class=quote&gt;      ...  &lt;/p&gt;</pre>	
<b>Aspect ratio image container</b>	<pre>&lt;picture class=aspect style="--ratio: Ratio"&gt;      &lt;img src=image.jpg alt=''&gt;  &lt;/picture&gt;</pre>	<p>Ratio = x/y. Works only when container is 100% wide.</p>

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<b>Masonry CSS-only</b>	<pre>&lt;div class=n-masonry&gt;   &lt;div&gt; &lt;p&gt;Column&lt;/p&gt; &lt;/div&gt;   ... &lt;/div&gt;</pre>	CSS columns with vertically optimised cell positioning. Masonry effect (vertical track only).
<b>Tables</b>		<code>&lt;td data-sort&gt;</code> makes a column sortable. The data-sort value can be unspecified, <b>asc</b> or <b>desc</b> .
<b>Top navigation</b>	<pre>&lt;header&gt;   &lt;div class='n-fold n-fold--mobile'&gt;     &lt;div class=n-fold--label&gt;       &lt;span class="burger"&gt;&lt;/span&gt; &lt;/div&gt;       &lt;input type=checkbox class=n-trigger&gt;       &lt;div class=n-fold--content&gt;         &lt;nav class=n-nav&gt;           ...         &lt;/nav&gt;       &lt;/div&gt;     &lt;/div&gt;   &lt;/header&gt;</pre>	Hidden and burgerised on mobile <ul style="list-style-type: none"><li>• header.n-fixed option</li></ul>

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<b>Drop-down nav</b>	<pre>&lt;nav class='n-nav n-drop'&gt;    &lt;ul&gt;     &lt;li&gt;       &lt;input type=checkbox&gt;       &lt;ul&gt;         &lt;li&gt;           &lt;a&gt;Middle One&lt;/a&gt;           &lt;input type=checkbox&gt;           &lt;ul&gt;             &lt;li&gt;               &lt;a href=#&gt;Bottom One&lt;/a&gt;             &lt;/li&gt;           &lt;/ul&gt;         &lt;/li&gt;       &lt;/ul&gt;     &lt;/li&gt;     &lt;li&gt;       &lt;a&gt;One&lt;/a&gt;     &lt;/li&gt;   &lt;/ul&gt; &lt;/nav&gt;</pre>	
<b>Scrollable nav</b>	<pre>&lt;nav class='n-nav n-nav--scroll'&gt;    &lt;ul&gt; ... &lt;/ul&gt;  &lt;/nav&gt;</pre>	<ul style="list-style-type: none"><li>• overflowing navigation to scroll horizontally instead of wrap on new lines.</li></ul>
<b>Drop caps</b>	<pre>&lt;p class=n-drop-cap&gt;   ... &lt;/p&gt;</pre>	<ul style="list-style-type: none"><li>• larger first letter</li></ul>



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<b>CSS-only parallax scrolling</b>	<pre>&lt;html class=n-parallax&gt;   &lt;head&gt; ... &lt;/head&gt;   &lt;body&gt;      &lt;div class=n-parallax-back&gt; ... &lt;/div&gt;      &lt;div class=n-parallax- front&gt; ... &lt;/div&gt;    &lt;/body&gt; &lt;/html&gt;</pre>	<ul style="list-style-type: none"><li>• .parallax-back is the back layer, scrolling slower than the front layer .parallax-front</li></ul>
<b>Right to left language support</b>	<pre>&lt;body dir=rtl&gt;</pre>	
<b>Cards</b>	<pre>&lt;div class=n-card&gt;    &lt;div class=n-card--head&gt; ... &lt;/ div&gt;   &lt;div class=n-card--content&gt; ... &lt;/div&gt;  &lt;/div&gt;</pre>	<ul style="list-style-type: none"><li>• .n-card--head.n-card--image with inline CSS for background-image</li></ul>
<b>Notification bar</b>	<pre>&lt;body&gt;   &lt;div class=n-notify&gt; ... &lt;/div&gt;   ... &lt;/body&gt;</pre>	<ul style="list-style-type: none"><li>• option .n-fixed</li><li>• create dynamically by <code>nui.notify('Message')</code> with optional parameter 'fixed'</li><li>• if already present in HTML statically, close action will work</li><li>• <code>nui.notify('Text', 'timeout')</code> to hide it after 2 seconds.</li></ul>

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<b>Lists</b>	<pre>&lt;ul&gt;   &lt;li&gt;...&lt;/li&gt;   ... &lt;/ul&gt;</pre>	<ul style="list-style-type: none"><li>• <code>ul.n-list--inline</code> orders items on one line</li><li>• <code>ul.n-list--indent</code></li><li>• <code>ul.no-bullets</code> for a clean list</li></ul>
<b>Typography</b>		<ul style="list-style-type: none"><li>• option <code>.n-big-text</code></li></ul>
<b>Copy to clipboard by JavaScript</b>	<pre>nui.copyButton(el, target)</pre>	<ul style="list-style-type: none"><li>• <code>el</code> is the button element, <code>target</code> is the source of the clipboard text</li><li>• Third parameter echoes content in a notification bar</li></ul>
<b>Language selector</b>	<pre>&lt;form class=language&gt; &lt;label class=select&gt;  &lt;select name=l&gt;  &lt;option value=en&gt;🇬🇧 English&lt;/option&gt; ...  &lt;/select&gt; &lt;/label&gt; &lt;/form&gt;</pre>	<ul style="list-style-type: none"><li>• Navigates to <code>url?l=en</code></li></ul>
<b>Links</b>	<pre>&lt;a href=# class="span-relative-parent"&gt;&lt;/a&gt;</pre>	<ul style="list-style-type: none"><li>• Overlays a link over its whole parent container</li></ul>

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<b>Fixed background section</b>	<pre>&lt;div class=n-fixed-bg style="background-image: url(image.jpg)"&gt;   &lt;div class=n-fixed-bg--image&gt;&lt;/div&gt;   ... &lt;/div&gt;</pre>	<ul style="list-style-type: none"><li>• .fixed-bg – element as a window to an image spanning the viewport. Needs inline background-image.</li></ul>
<b>Scroll threshold</b>	<pre>&lt;div data-threshold&gt;   ... &lt;/div&gt;</pre>	<ul style="list-style-type: none"><li>• Adds CSS variable --threshold showing how much of the element height has been scrolled up outside of viewport, 0.0 ~ 1.0.</li><li>• --height is the element height, for calculations</li><li>• When all of it is above the viewport, the element gets a .threshold class</li></ul>
<b>NPM install</b>	<pre>npm install --save-dev natuive  require('./node_modules/natuive/ index.js');</pre>	

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<b>Grid with inline popups</b>	<pre>&lt;div class='row grid-inline-popup'&gt;      &lt;div class="col3"&gt;1&lt;/div&gt;     &lt;div class="popup"&gt;Popup for #1&lt;/div&gt;     &lt;div class="col3"&gt;2&lt;/div&gt;     &lt;div class="popup"&gt;Popup for #2&lt;/div&gt;     &lt;div class="col3"&gt;3&lt;/div&gt;     &lt;div class="popup"&gt;Popup for #3&lt;/div&gt;     &lt;div class="col3"&gt;4&lt;/div&gt;     &lt;div class="popup"&gt;Popup for #4&lt;/div&gt;     &lt;div class="col3"&gt;5&lt;/div&gt;     &lt;div class="popup"&gt;Popup for #5&lt;/div&gt;     &lt;div class="col3"&gt;6&lt;/div&gt;     &lt;div class="popup"&gt;Popup for #6&lt;/div&gt;  &lt;/div&gt;</pre>	
<b>Dynamically add components</b>	<pre>nui.addComponent(host_element, component_html)</pre>	
<b>Available functions when using non-obfuscated natuive-combined.js</b>	<pre>nui.animate() nui.init() nui.copyButton() nui.openFullWindow() nui.closeFullWindow() nui.notify() nui.addComponent()</pre>	