

# natUlive framework

Element	Code	Options
<b>Grid</b>	<pre>&lt;div class=row&gt;      &lt;div&gt; ... &lt;/div&gt;     ...  &lt;/div&gt;</pre>	<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>

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Element	Code	Options
<b>Grid (cont'd)</b>		<ul style="list-style-type: none"><li>• cell alignment classes: <code>.align-right</code>, <code>.align-center</code>, <code>.align-top</code>, <code>.align-middle</code>, <code>.align-bottom</code>. Vertically-Aligned elements must be wrapped inside an extra div. <code>.row</code> inherits alignment</li><li>• <code>.align-children</code> inherits alignment</li><li>• <code>.row &gt; .vertical-row</code> – vertical row as tall as the parent row with equal-height full-width children</li><li>• <code>.row.no-spacing</code> glues the cells together (CSS variables support required)</li><li>• <code>.row.no-padding</code> columns without padding (CSS variables support required)</li><li>• <code>.row.no-margin</code> for no gutter between columns (CSS variables support required)</li><li>• <code>.row &gt; .full-mobile-width</code> for full width columns on mobile</li></ul>
<b>Mobile/Desktop Content</b>	<pre>&lt;div class=narrow-screen&gt;   ... &lt;/div&gt;  &lt;div class=wide-screen&gt;   ... &lt;/div&gt;</pre>	

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Element	Code	Options
<b>Structure</b>	<pre>&lt;div class=header-and-banner&gt;      &lt;header&gt;         ...     &lt;/header&gt;      &lt;div class=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&gt;      ...  &lt;/footer&gt;</pre>	<ul style="list-style-type: none"><li>• <code>.header-and-banner.viewport</code> sets header/banner to viewport height. <code>.viewport.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.fixed</code> for fixed header on top on narrow screens</li></ul>

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Element	Code	Options
<b>Modal Window</b>	<pre>&lt;a href=page.html#container class=modal&gt;      Open in modal window  &lt;/a&gt;</pre>	<ul style="list-style-type: none"><li>• #container is recommended to avoid HTML head parts</li><li>• openFullWindow(HTML) shows the HTML code in a modal window.</li><li>• openFullWindow(HTML, '0% { ... } 100% { ... }') for custom animation, automatically reversed on close</li><li>• a.modal[data-anim] parameter specifies custom animation</li><li>• a.limited for limited width/height modal window</li></ul>

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Element	Code	Options
<b>Slider</b>	<pre>&lt;div class=slider data-autoslide=5 data-duration=.5&gt;      &lt;div&gt; ... &lt;/div&gt;     ... &lt;/div&gt;</pre>	<ul style="list-style-type: none"><li>• <code>slider.tabs</code> makes thumbnail navigation instead of numbered one. Tab titles from a <code>.tab-title</code> child or a <code>data-tab_title</code> attribute. Supports <code>.top.tabs</code>, optional <code>.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>makeSlider(el)</code></li><li>• <code>.slider.vertical-thumbnails</code> option</li><li>• <code>.slider.vertical</code> option</li><li>• <code>.slider.full-window</code> option</li><li>• <code>.slider.full-window.headless</code> option</li><li>• <code>data-duration=x</code> option for x seconds of sliding animation</li><li>• <code>.slider.center</code> centers slides content</li><li>• <code>.slider.auto-height</code> matches slider height to the current slide</li><li>• <code>.slider.fade</code> to fade in/out instead of sliding</li><li>• <code>.vertical.right</code>, <code>.vertical.tabs.right</code></li><li>• <code>.slider.pad</code> for outside controls</li><li>• <code>.slider.align-middle</code> to vertically center slides (requires extra slide content wrapper)</li></ul>

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Element	Code	Options
<b>Tooltip</b>	<pre>&lt;span class=tool&gt;    Hover for a tip   &lt;span class=tip&gt; Info &lt;/span&gt;   ...  &lt;/span&gt;</pre>	
<b>Accordion (Fold)</b>	<pre>&lt;div class=fold&gt;    &lt;div class=label&gt; Label &lt;/div&gt;    &lt;input type=checkbox class=trigger&gt;    &lt;div class=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>.fold.open</code></li><li>• Content's CSS variable <code>--start-height</code> truncates it to the specified height.</li><li>• <code>.fold.horizontal</code>, needs extra wrapper inside <code>.content</code></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>.big</code> option</li><li>• wrap a group of buttons in <code>.group</code></li></ul>

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Element	Code	Options
<b>Forms</b>	<pre> &lt;form&gt;      &lt;label&gt;         &lt;span&gt; Description &lt;/span&gt;         &lt;input // &lt;textarea&gt;&lt;/ textarea&gt;     &lt;/label&gt;      &lt;label&gt;         &lt;span&gt;Select a file&lt;/span&gt;         &lt;span class=file-input&gt;             &lt;input type=file&gt;             &lt;span&gt;&lt;/span&gt;         &lt;/span&gt;     &lt;/label&gt;      &lt;div class=checkbox&gt;         &lt;span&gt; Description for all checkboxes&lt;/span&gt;         &lt;label&gt;             &lt;input type=checkbox&gt; &lt;b class=checkbox-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=tool&gt;Descri ption &lt;span class=tip&gt; &lt;/ span&gt; </pre> </li> <li>• &lt;label             class=mandatory&gt; </li> <li>• 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>• form.wide for 100% wide inputs</li> <li>• form.sticky-submit positions the submit button to the right/center of the form</li> <li>• 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 .checkbox.condition</li> <li>• Set the placeholder colour with CSS variable --             placeholder_color </li> </ul>

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Element	Code	Options
<b>Lightbox</b>	<pre>&lt;div class=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 .lightbox child link to image forms a common slider gallery with its siblings.</p> <ul style="list-style-type: none"><li>• <code>lightbox.full-screen</code> option</li><li>• Use <code>http://url#lightbox_id</code> to open it automatically on page load</li><li>• <code>url?slide=n#lightbox_id</code> opens nth slide of that lightbox</li><li>• <code>url?image=image_name.jpg#lightbox_id</code> opens that image's slide</li><li>• <code>a.video</code></li><li>• <code>a.iframe</code></li><li>• <code>.thumbnails</code> for thumbnail controls.</li><li>• <code>.inline</code> for an inline lightbox.</li><li>• <code>.inline.thumbnail.s.outside</code> for outside-positioned controls.</li><li>• Lightbox with <code>id</code> provides links to individual slides</li><li>• <code>.lightbox[data-anim]</code> parameter specifies custom animation</li></ul>
<b>Quote</b>	<pre>&lt;p class=quote&gt;     ... &lt;/p&gt;</pre>	



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Element	Code	Options
<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>	Ratio = x/y. Works only when container is 100% wide.
<b>Masonry CSS-only</b>	<pre>&lt;div class=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>		<td data-sort> 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='fold mobile'&gt;     &lt;div class=label&gt; &lt;span class="burger"&gt;&lt;/span&gt; &lt;/div&gt;     &lt;input type=checkbox class=trigger&gt;     &lt;div class=content&gt;       &lt;nav&gt;         ...       &lt;/nav&gt;     &lt;/div&gt;   &lt;/div&gt; &lt;/header&gt;</pre>	Hidden and burgerised on mobile • header.fixed option

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Element	Code	Options
Drop-down nav	<pre>&lt;nav class=drop&gt;   &lt;form id=level1&gt; &lt;/form&gt;   &lt;form id=level2&gt; &lt;/form&gt;   &lt;input type=checkbox class='trigger burger'&gt;   &lt;ul&gt;     &lt;li&gt;       &lt;input type=radio class=trigger form=level1 name=level1&gt;       &lt;input type=reset form=level1&gt;       &lt;a&gt;One&lt;/a&gt;       &lt;b class=sub&gt;&lt;/b&gt;       &lt;ul&gt;         &lt;li&gt;           &lt;input type=radio class=trigger form=level2 name=level2&gt;           &lt;input type=reset form=level2&gt;           &lt;a&gt;Middle One&lt;/ a&gt;           &lt;b class=sub&gt;&lt;/ b&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;/ul&gt; &lt;/nav&gt;</pre>	

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<b>Scrollable nav</b>	<pre>&lt;nav class=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=drop-cap&gt;      ...  &lt;/p&gt;</pre>	<ul style="list-style-type: none"><li>• larger first letter</li></ul>
<b>CSS-only parallax scrolling</b>	<pre>&lt;html class=parallax&gt;     &lt;head&gt; ... &lt;/head&gt;     &lt;body&gt;          &lt;div class=parallax-back&gt; ...     &lt;/div&gt;          &lt;div class=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=card&gt;      &lt;div class=head&gt; ... &lt;/div&gt;     &lt;div class=content&gt; ... &lt;/div&gt;  &lt;/div&gt;</pre>	<ul style="list-style-type: none"><li>• .head.image with inline CSS for background-image</li></ul>

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Element	Code	Options
<b>Notification bar</b>	<pre>&lt;body&gt;   &lt;div class=notify&gt; ... &lt;/div&gt;   ... &lt;/body&gt;</pre>	<ul style="list-style-type: none"><li>• option <code>.fixed</code></li><li>• create dynamically by <code>notify('Message')</code> with optional parameter <code>'fixed'</code></li><li>• if already present in HTML statically, close action will work</li><li>• <code>notify('Text', 'timeout')</code> to hide it after 2 seconds</li></ul>
<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.inline</code> orders items on one line</li><li>• <code>ul.indent</code></li></ul>
<b>Typography</b>		<ul style="list-style-type: none"><li>• option <code>.big-text</code></li></ul>
<b>Copy to clipboard by JavaScript</b>	<code>copyButton (el, target)</code>	<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></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 url? <code>l=en</code></li></ul>

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Element	Code	Options
<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>
<b>Fixed background section</b>	<pre>&lt;div class=fixed-bg style="background-image: url(image.jpg)"&gt;   &lt;div class=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>