

# 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; .full-mobile-width 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>   |  |

# natUlve framework

| 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.n-viewport</code> sets header/banner to viewport height. <code>.n-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> |

# natUlve framework

| Element             | Code  | Options  |
|---------------------|---|--|
| <b>Modal Window</b> | <pre>&lt;a href=page.html#container<br/>class=n-modal&gt;<br/><br/>    Open in modal window<br/><br/>&lt;/a&gt;</pre> | <ul style="list-style-type: none"><li>• #container 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.limited</code> for limited width/height modal window</li><li>• Modals with id matching the URI hash are opened automatically</li></ul> |

# natUlive framework

| 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> <p><b>Options</b></p> <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>nui.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>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>.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><li>• To detach nav from slider, prepare a <code>.slider#id</code> and <code>.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> |

# natUlive framework

| Element                     | Code   | Options   |
|-----------------------------|--|---|
| <b>Tooltip</b>              | <pre>&lt;span class=n-tool&gt;      &lt;span class=label&gt;Hover for a     tip&lt;/span&gt;     &lt;span class=tip&gt; Info &lt;/span&gt;     ...  &lt;/span&gt;</pre>                              |   |
| <b>Accordion<br/>(Fold)</b> | <pre>&lt;div class=n-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>.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.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>   |

# natUlive framework

| Element      | Code  | Options   |
|--------------|---|---|
| <b>Forms</b> | <pre> &lt;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=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: <code>&lt;span class=tool&gt;Description &lt;span class=tip&gt; &lt;/span&gt;</code></li> <li>• <code>&lt;label class=mandatory&gt;</code></li> <li>• <code>form.mast</code> for a balanced layout with labels in left column and inputs on right column</li> <li>• <code>&lt;input type=number data-digits=4&gt;</code></li> <li>• <code>form.wide</code> for 100% wide inputs</li> <li>• <code>form.sticky-submit</code> positions the submit button to the right/center of the form</li> <li>• <code>form.dynamic</code> submits without reloading the page and displays the result in a modal window</li> <li>• <code>form { --placeholder_color: #aaa; }</code> is the custom placeholder colour variable</li> <li>• <code>fieldset[disabled]</code> is toggled by its previous sibling <code>.checkbox.condition</code></li> <li>• Set the placeholder colour with CSS variable <code>-placeholder_color</code></li> <li>• <code>&lt;textarea data-auto ...&gt;</code> to automatically adjust the height</li> <li>• <code>data-digits=x</code> in a number input requires x digits</li> </ul> |

# natUlive framework

| Element         | Code  | Options   |
|-----------------|---|---|
| <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.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>• .thumbnails for thumbnail controls.</li><li>• .inline for an inline lightbox.</li><li>• .inline.thumbnails.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>   |   |

# natUlive framework

| 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>                       |  | <code>&lt;td data-sort&gt;</code> makes a column sortable. The <code>data-sort</code> 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<br>• <code>header.fixed</code> option   |



# natUlive framework

| Element               | Code  | Options   |
|-----------------------|---|---|
| <b>Drop-down nav</b>  | <pre>&lt;nav class=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;li&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=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>   |

# natUlive framework

| Element                               | Code   | Options   |
|---------------------------------------|--|---|
| <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=n-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>  |
| <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 .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> |
| <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>  |

# natUlive framework

| Element                                | Code   | Options   |
|--|--|---|
| <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>nui.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><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>                           | <code>&lt;a href=# class="span-relative-parent"&gt;&lt;/a&gt;</code>   | <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>• <code>.fixed-bg</code> – element as a window to an image spanning the viewport. Needs inline <code>background-image</code>.</li></ul>                                   |

# natUlve framework

| Element                        | Code  | Options  |
|--------------------------------|---|--|
| <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>   |  |
| <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> |  |

# natUlive framework

| Element  | Code  | Options |
|--|---|---------|
| <b>Dynamically add components</b>  | <code>nui.addComponent(host_element, component_html)</code>   |         |
| <b>Available functions when using non-obfuscated natuive-combined.js</b> | <code>nui.animate()</code><br><code>nui.init()</code><br><code>nui.copyButton()</code><br><code>nui.openFullWindow()</code><br><code>nui.closeFullWindow()</code><br><code>nui.notify()</code><br><code>nui.addComponent()</code> |         |