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| |  |  | | --- | --- | | **Cues**  NoteGem Horizontal Line      cdns to use  installation requirements                              what two container types are there          breakpoints for extra small, small medium, large, extra large                    z-indexes for different items                      how bootstrap columns work                                              why use generic classes                how to responsively adjust gutters            different alignment classes                          how to wrap columns    how to control order      column offsetting              bootstrap alerts, what for            bootstrap badges            breadcrumb            buttons              disabled        cards                                carousel      crossfade | **Notes**  NoteGem Horizontal Line    use bootstrap css & jquery, popper, bootstrapjs     * functions/scripts at top of page     use HTML5 and viewport (mobile first one provided)    almost every browser is supported but Windows Safari    **Accessibility:** has inadequate color contrast versus light background   * if you want something accessible to screen readers only, use .sr-only class     supports prefers-reduced-motion media feature    **layout**     * containers required for bootstrap * responsive or fluid width * class = "container-fluid" for full-width container   + spans whole width of viewport     **media queries**     * < 576px extra small devices (default, no MQ) * 576-768 = small devices * 768-992 = medium devices * 992-1200 = large devices * 1200+ = extra large devices     less/sass = @include media-breakpoint-up(size){}    z-index     * z index = $zindex-dropdown 1000 * $zindex-sticky 1020 * $zindex-fixed 1030 * $zindex-modal 1040 * $zindex-modal-backdrop 1040 * $zindex-popover 1060 * $zindex-tooltip 1070     3 equal-width columns on small and devices centered in parent:     * div container   + div row     - div col-sm     - div col-sm     - div col-sm     rows are wrappers for columns    grid columns without specified width = equalized width    up to 12 per row (.col-4 for three columns)    must multiply to 12  column widths set in percentages  no gutters to remove padding from columns and paragraphs from rows  can set one column width and rest will resize around it    **col-size** = auto to size columns based on natural content width    **.w-100** = breaks to new line (class)     * insert where column should break to new line     use **most generic classes** possible to catch widest number of devices (.col & .row) versus col-8 and col-4    stack to horizontal, becomes horizontal at breakpoint     * col-sm-8 col-sm-4 col-sm col-sm     gutters can be responsively adjusted by breakpoint-specific padding and negative margin utility classes     * pair negative margin utility/row with matching padding utility/column * research examples if you need this     alignment classes     * align-items-start * align-items-enter * align-items-end * align-self-start * align-self-center * align-self-end * justify-content-start * justify-content-center * justify-content-end * justify-content-around * justify-content-between     to wrap columns, use number > 12 for columns when added up  .order-(#, first, last) to control order of content    .order-md-2 for 1-12 all sizes    column offsetting:   * to right use .offset-size-#   + increases left margin of column by number of columns     may need to reset by using "0" .offset-size-0    visible = visible !important / invisible = hidden !important    alerts: contextual text messages for user actions     * div class="alert alert-<keyword>" role="alert" /div   + <keyword> can be primary, secondary, success, danger, warning, info, light, dark, heading     badges: span or button    span class="badge-secondary" /span OR span class="badge-pill" /span  button /button    **breadcrumb** = navigational hierarchy     * auto-adds separators via css * breadcrumb breadcrumb-item\_(active) * li class="breadcrumb-item active" aria-current="page"     **buttons** = btn classes btn-primary  secondary etc  btn-outline-primary etc  btn-sm etc  btn-block (span full width of parent)    "disabled" within open tag without quotes, like "required"     * btn-group-toggle * btn-toolbar * mr-2     **cards** = flexible extensible container for content    header/footer options, content, contextual     * bkgr colors, display options     replace old wells, panels, thumbnails    support text, images, list groups, links, etc    .card-body = card body  .card-title for h tags class  .card-subtitle    **input-group** = prepend text    carousel-image cycler/current cycler    **crossfade** = .carousel-fade     * animate slides with fade transition instead of slide     **data-interval** = "" to .carousel-item to change delay between cycling | |
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