**Utilities**

**Text**

|  |  |  |  |
| --- | --- | --- | --- |
| text alignment |  |  |  |
|  | text-start |  |  |
|  | text-center |  |  |
|  | text-end |  |  |
|  |  |  |  |
|  | text-sm-start |  |  |
|  | text-md-start |  |  |
|  | text-lg-start |  |  |
|  | text-xl-start |  |  |
| text-wrapping |  |  |  |
|  | text-wrap |  |  |
|  | text-nowrap |  |  |
| overflow |  |  |  |
|  | badge |  |  |
| Word break |  |  |  |
|  | text-break |  |  |
| Text transform |  |  |  |
|  | text-lowercase |  |  |
|  | text-uppercase |  |  |
|  | text-capitalize |  |  |
|  |  |  |  |
| Font size |  |  |  |
|  | fs-1 🡪 fs-6 |  |  |
| Font weight |  |  |  |
|  | fw-bold |  |  |
|  | fw-bolder |  |  |
|  | fw-normal |  |  |
|  | fw-light |  |  |
|  | fw-lighter |  |  |
| Font italic |  |  |  |
|  | fst-italic |  |  |
|  | fst-normal |  |  |
| Liner height |  |  |  |
|  | lh-1 |  |  |
|  | lh-sm |  |  |
|  | lh-base |  |  |
|  | lh-lg |  |  |
| text decoration |  |  |  |
|  | text-decoration-underline |  |  |
|  | text-decoration-through |  |  |
|  | text-decoration-none |  |  |
| monospace |  |  |  |
|  | font-monospace |  |  |
| Reset color |  |  |  |
|  | text-reset |  | Inhert from parent |
|  |  |  |  |

**content**

**Typography**

|  |  |  |  |
| --- | --- | --- | --- |
| headings |  |  |  |
|  | h1 🡪 h6 |  |  |
| display |  |  |  |
|  | display-1 🡪 display-6 |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**color**

|  |  |  |  |
| --- | --- | --- | --- |
| colors |  |  |  |
|  | text-primary |  |  |
|  | text-secondary |  |  |
|  | text-success |  |  |
|  | text-danger |  |  |
|  | text-warning |  |  |
|  | text-info |  |  |
|  | text-light |  |  |
|  | text-dark |  |  |
|  | text-body |  |  |
|  | text-muted |  |  |
|  | text-white |  |  |
|  | text-black-50 |  |  |
|  | text-white-50 |  |  |
|  |  |  |  |
| Background color |  |  |  |
|  | bg-primary |  |  |
|  | bg-secondary |  |  |
|  | bg-success |  |  |
|  | bg-danger |  |  |
|  | bg-warning |  |  |
|  | bg-info |  |  |
|  | bg-light |  |  |
|  | bg-dark |  |  |
|  | bg-body |  |  |
|  | bg-white |  |  |
|  | bg-transparent |  |  |
| Background gradient |  |  |  |
|  | bg-primary bg-gradient | bg-info bg-gradient |  |
|  | bg-secondary.bg-gradient | bg-light bg-gradient | بإضافة فئة .bg-gradient ، يتم إضافة تدرج خطي كصورة خلفية إلى الخلفيات. يبدأ هذا التدرج باللون الأبيض شبه الشفاف الذي يتلاشى إلى الأسفل |
|  | bg-success bg-gradient | bg-dark bg-gradient |  |
|  | bg-danger bg-gradient |  |  |
|  | bg-warnin .bg-gradient |  |  |
|  |  |  |  |
|  |  |  |  |

**Spacing**

|  |  |  |  |
| --- | --- | --- | --- |
| padding |  |  |  |
|  | p-0 🡪 p-5 |  |  |
|  | px-0 🡪 px-5 |  |  |
|  | py-0 🡪 py-5 |  |  |
|  | pt-0 🡪 pt-5 |  |  |
|  | pb-0 🡪 pb-5 |  |  |
|  | ps-0 🡪 ps-5 |  |  |
|  | pe-0 🡪 pe-5 |  |  |
|  |  |  |  |
| margin |  |  |  |
|  | m-0 🡪 m-0 |  |  |
|  | mx-0 🡪 mx-5 |  |  |
|  | my-0 🡪 my-5 |  |  |
|  | mt-0 🡪 mt-5 |  |  |
|  | mb-0 🡪 mb-5 |  |  |
|  | ms-0 🡪 ms-5 |  |  |
|  | me-0 🡪 me-5 |  |  |
|  | m-auto | center |  |
| Margin negative |  |  |  |
|  | m-n1 |  | $enable-negative-margins: true |
|  | mx-n1 |  |  |
|  | Mt-n1 |  |  |
|  |  |  |  |
| gap |  |  |  |
|  | gap-0 🡪 gap5 |  | لأزم نستخدم d-grid |
|  |  | Ex 🡪 d-grid gap-3 | :🡨Gap يعمل margin على children |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Border**

|  |  |  |  |
| --- | --- | --- | --- |
| Border |  |  |  |
| additive |  |  |  |
|  | border |  |  |
|  | border-top |  |  |
|  | border-bottom |  |  |
|  | border-start |  |  |
|  | border-end |  |  |
| subtractive |  |  |  |
|  | border-0 |  |  |
|  | border-top-0 |  |  |
|  | border-bottom-0 |  |  |
|  | border-start-0 |  |  |
|  | border-end-0 |  |  |
| color |  |  |  |
|  | border-primary |  |  |
|  | border-secondary |  |  |
|  | border-success |  |  |
|  | border-danger |  |  |
|  | border-warning |  |  |
|  | border-info |  |  |
|  | border-light |  |  |
|  | border-dark |  |  |
|  | border-white |  |  |
| width |  |  |  |
|  | border-1 🡪 border-5 |  | Ex🡪border border-2 |
| radius |  |  |  |
|  | rounded |  |  |
|  | rounded-top |  |  |
|  | rounded-bottom |  |  |
|  | rounded-start |  |  |
|  | rounded-end |  |  |
|  | rounded-circle |  |  |
|  | rounded-pill |  |  |
|  |  |  |  |
| radius size | rounded-0 🡪rounded-3 |  |  |
|  |  |  |  |

**Shadow**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| shadow | shadow |  |  |
|  | shadow-none |  |  |
|  | shadow-sm |  |  |
|  | shadow-lg |  |  |

# **display utilities & breakpoints**

* d-{value} for xs
* .d-{breakpoint}-{value} for sm, md, lg, xl, and xxl.

Where *value* is one of:

* none
* inline
* inline-block
* block
* grid
* table
* table-cell
* table-row
* flex
* inline-flex

## Hiding elements

|  |  |
| --- | --- |
| Hidden on all | d-none |
| Hidden only on xs | d-none d-sm-block |
| Hidden only on sm | d-sm-none d-md-block |
| Hidden only on md | d-md-none d-lg-block |
| Hidden only on lg | d-lg-none d-xl-block |
| Hidden only on xl | d-xl-none d-xxl-block |
| Hidden only on xxl | d-xxl-none |
|  |  |
| Visible on all | d-block |
| Visible only on xs | d-block d-sm-none |
| Visible only on sm | d-none d-sm-block d-md-none |
| Visible only on md | d-none d-md-block d-lg-none |
| Visible only on lg | d-none d-lg-block d-xl-none |
| Visible only on xl | d-none d-xl-block d-xxl-none |
| Visible only on xxl | d-none d-xxl-block |

# **Containers**

## How they work

* .container, which sets a max-width at each responsive breakpoint
* .container-fluid, which is width: 100% at all breakpoints
* .container-{breakpoint}, which is width: 100% until the specified breakpoint

The table below illustrates how each container’s max-width compares to the original .container and .container-fluid across each breakpoint.

|  | **Extra small** <576px | **Small** ≥576px | **Medium** ≥768px | **Large** ≥992px | **X-Large** ≥1200px | **XX-Large** ≥1400px |
| --- | --- | --- | --- | --- | --- | --- |
| .container | 100% | 540px | 720px | 960px | 1140px | 1320px |
| .container-sm | 100% | 540px | 720px | 960px | 1140px | 1320px |
| .container-md | 100% | 100% | 720px | 960px | 1140px | 1320px |
| .container-lg | 100% | 100% | 100% | 960px | 1140px | 1320px |
| .container-xl | 100% | 100% | 100% | 100% | 1140px | 1320px |
| .container-xxl | 100% | 100% | 100% | 100% | 100% | 1320px |
| .container-fluid | 100% | 100% | 100% | 100% | 100% | 100% |

## Default container

Our default .container class is a responsive, fixed-width container, meaning its max-width changes at each breakpoint.

<div class="container">

<!-- Content here -->

</div>

## Responsive containers

Responsive containers allow you to specify a class that is 100% wide until the specified breakpoint is reached, after which we apply max-widths for each of the higher breakpoints. For example, .container-sm is 100% wide to start until the sm breakpoint is reached, where it will scale up with md, lg, xl, and xxl.

<div class="container-sm">100% wide until small breakpoint</div>

<div class="container-md">100% wide until medium breakpoint</div>

<div class="container-lg">100% wide until large breakpoint</div>

<div class="container-xl">100% wide until extra large breakpoint</div>

<div class="container-xxl">100% wide until extra extra large breakpoint</div>

## Fluid containers

Use .container-fluid for a full width container, spanning the entire width of the viewport.

<div class="container-fluid">

...

</div>

# **Flex** - parent

## Enable flex behaviors

Responsive variations also exist for .d-flex and .d-inline-flex.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  | d-flex 🡪default (flex-row flex-nowrap) | d-sm-flex | sm md lg xl xxl |
|  | d-inline-flex | d-sm-inline-flex | sm md lg xl xxl |

|  |  |  |  |
| --- | --- | --- | --- |
| Flex - wrap |  |  |  |
|  | flex-wrap |  |  |
|  | flex-wrap-reverse |  |  |
|  | flex-nowrap |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| flex-direction |  |  |  |
|  | flex-row 🡪default | flex-sm-row | sm md lg xl xxl |
|  | flex-row-reverse | flex-md-row-reverse |  |
|  | flex-column | flex-lg-column |  |
|  | flex-column-reverse | flex-xl-column-reverse |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Justify content | main axis (the x-axis to start, y-axis if flex-direction: column). Choose from start (browser default) | | |
|  | justify-content-start | justify-content-sm-start | start 🡪default |
|  | justify-content-end | sm md lg xl xxl |  |
|  | justify-content-center |  | axis X is main if flex-row |
|  | justify-content-around |  | work with flex-row |
|  | justify-content-between |  |  |
|  | justify-content-evenly |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Align items |  |  |  |
|  | align-items-stretch | default | axis Y is main if flex-column |
|  | align-items-start |  | work with flex-column |
|  | align-items-end |  |  |
|  | align-items-center |  |  |
|  | align-items-baseline |  |  |
|  |  |  |  |

**Navbar**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| <nav> | navbar with .navbar-expand{-sm|-md|-lg|-xl|-xxl} |  |  |
|  | navbar-light bg-light |  |  |
|  | fiexd-top |  |  |
|  | navbar-brand |  |  |
|  | navbar-toggler | Use with button |  |
|  | data-bs-toggle="collapse"  data-bs-target="#ite" | Use with button |  |
|  | navbar-toggler-icon | Icon buerger |  |
|  | Collapse navbar-collapse | <div class="collapse navbar-collapse" id="ite"> |  |
|  |  |  |  |
|  | navbar-nav | Navbar navgation |  |
|  | nav-item | Use with item navgation |  |
|  | nav-link | Use link navgtion |  |
|  |  |  |  |
| **Dropdown** | | | |
|  |  |  |  |
| dropdown |  |  |  |
|  | dropdown | In parent | li |
|  | dropup | In parent | Ex nav-item dropdown |
|  | dropstart | In parent |  |
|  | dropend | In parent |  |
|  |  |  |  |
|  | dropdown-toggle is icon | In button and link | icon |
|  | data-bs-toggle="dropdown" | In button and link | a |
|  |  |  |  |
|  | dropdown-menu-dark | Color bg dark | color |
|  |  |  |  |
|  | dropdown-menu | In ul list | ul |
|  | dropdown-item | In item for ul list | li>a |
|  |  |  |  |
|  |  |  |  |

# **Forms with validation style**

|  |  |  |  |
| --- | --- | --- | --- |
|  | <input>s and <textarea> | ex | attribute |
| Form controls | form-label |  | readonly |
|  | form-control | form-control form-control-lg | disabled |
|  | form-text | form-control form-control-sm |  |
| File input |  |  |  |
|  | form-label |  |  |
|  | form-control |  | multiple |
|  |  |  |  |
| Color |  |  |  |
|  | form-control form-control-color |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Select | <select> | ex | attribute |
|  |  |  |  |
|  | form-select | Is parent |  |
|  |  | form-select form-select-lg |  |
|  |  | form-select form-select-sm | selected |
|  |  |  | multiple |
|  |  |  | value |

|  |  |  |  |
| --- | --- | --- | --- |
| **Checks and radios** |  |  |  |
|  | form-check | Is parent | checked |
|  | form-check-input | Child inside parent | checked |
|  | form-check-lable | Child inside parent |  |
|  |  |  |  |
|  |  |  |  |
|  | form-check-inline | form-check form-check-inline |  |
| Switches |  |  |  |
|  | form-switch | form-check form-switch |  |
|  |  |  |  |
| Toggle buttons |  |  |  |
|  | btn-check |  | autocomplete="off" |
|  |  |  |  |
| range |  |  |  |
|  | form-range |  |  |

**Forms**

|  |  |  |  |
| --- | --- | --- | --- |
| input-group |  |  |  |
|  | input-group | Is parent |  |
|  | input-group-text | child |  |
|  | input-group-sm | input-group input-group-sm |  |
|  |  |  |  |
| **Floating labels** |  |  |  |
|  | form-floating | Is parent |  |
|  |  |  |  |
| **Validation** |  |  |  |
|  | needs-validation |  |  |
|  |  |  |  |
|  | is-valid |  | novalidate |
|  | is-invalid |  |  |
|  |  |  |  |
|  | valid-feedback |  |  |
|  | invalid-feedback |  |  |
|  |  |  |  |
|  | was-validated |  |  |
|  |  |  |  |
|  |  |  |  |

ــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــ

# **Bootstrap Icons**

npm i bootstrap-icons

<i class="bi bi-align-middle"></i>

# **Alerts**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| div | alert | parent | alert alert-primary |
|  | alert-link | Use a  Is child |  |
|  | alert-heading | Child in alert |  |
|  | alert-dismissible | parent |  |
|  | X is close -🡪 | btn-close | data-bs-dismiss="alert" |

# **Modal**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| div | modal | parent |  |
|  |  |  |  |
| div | modal-dialog | child |  |
| div | modal-dialog-centered | child | Model dialog is center of screen |
|  |  | **modal-dialog**  **modal-dialog-centered** Use child of parent | |
| div | modal-content |  |  |
|  |  | buuton | data-bs-dismiss="modal" 🡪close model |
| div | modal-header |  |  |
| H4 | modal-title |  | data-bs-toggle="modal" 🡪show modal |
|  |  |  | data-bs-target="#exampleModal" |
| div | modal-body |  |  |
| div | modal-footer |  | data-bs-backdrop="static" |
|  |  |  | data-bs-keyboard="false" |
|  |  |  |  |

# **Carousel**

|  |  |  |  |
| --- | --- | --- | --- |
| **Carousel** |  |  |  |
|  | carousel slide  id="car" | data-bs-ride="carousel"  يتحرك تلقائي كل 5 ثواني | parent |
|  |  | data-bs-touch="false"  data-bs-interval="false"  وقف الحركة التلقائية | parent |
|  | carousel-dark |  | parent |
|  | carousel-fade |  | Animation in parent |
|  |  |  |  |
|  | carousel-inner |  | Child of parent |
|  | carousel-item | carousel-item active | Is divChild of inner |
|  |  | <img src="..." class="d-block w-100" alt="..."> | Is child of carousel-item |
|  |  |  |  |
|  |  | data-bs-interval="10000"  **وقت حركة العنصر** | In item |
|  |  |  |  |
| **With controls** |  |  |  |
|  | carousel-control-prev | data-bs-target="#car"  data-bs-slide="prev" | Button child of parent |
|  | carousel-control-prev-icon |  | Is span Icon in button |
|  |  |  |  |
|  | carousel-control-next | data-bs-target="#car"  data-bs-slide="next" | Button child of parent |
|  | carousel-control-next-icon |  | Is span Icon in button |
|  |  |  |  |
| **With indicators** |  |  |  |
|  | carousel-indicators |  | Child of parent |
|  |  | data-bs-target="#car"  data-bs-slide-to="0"  data-bs-slide-to="1"  data-bs-slide-to="2" | Is 3 button child  Of carousel-indicators |
|  |  |  |  |
| **With captions** |  |  |  |
|  | carousel-caption | Write in inner in item | Is div child of item |
|  |  |  |  |
|  |  |  |  |

# **Toasts**

|  |  |  |  |
| --- | --- | --- | --- |
| **Toast** |  |  |  |
|  | toast-container | Container for parent |  |
|  | toast | toast hide is div child of toast-container this is parent |  |
|  | toast-header |  |  |
|  |  | data-bs-dismiss="toast" is btn child header |  |
|  | toast-body | Is div child of toast |  |
|  |  |  |  |
|  |  | <script>   Let btn=document.getElementById("bt");//btn is id  Let option={autohide=false;}  Let mytost=document.getElementById("tos", option);//toast is id        btn.addEventListener("click",function(){          let tost=new bootstrap.Toast(mytost);          console.log(tost);          tost.show();        })  </script> |  |
| **Options** |  |  |  |
| animation |  | data-bs-animation="" |  |
| autohide |  | data-bs-autohide="" |  |
| delay |  | data-bs-delay="5000" |  |
|  |  |  |  |
| **Events** |  |  |  |
| show.bs.toast |  |  |  |
| shown.bs.toast |  |  |  |
| hide.bs.toast |  |  |  |
| hidden.bs.toast |  |  |  |
|  |  | var myToastEl = document.getElementById('myToast')  myToastEl.addEventListener('hidden.bs.toast', function () {  // do something...  }) |  |
|  |  |  |  |

# **Accordion**

|  |  |  |  |
| --- | --- | --- | --- |
| **Accordion** |  |  |  |
|  | accordion |  |  |
|  | accordion-flush | accordion accordion-flush |  |
|  | accordion-item |  |  |
|  | accordion-header | Is h2 or tag not div |  |
|  | accordion-button collapsed | data-bs-toggle="collapse"  data-bs-target="#ItemOne" | Button child of header |
|  |  |
|  |  |  |  |
|  | accordion-collapse collapse | data-bs-parent="#id of parent accordion"  id=" ItemOne " | Child of item |
|  | accordion-body | Child of accordion-collapse collapse | div |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# **Offcanvas**

|  |  |  |  |
| --- | --- | --- | --- |
| offcanvas | offcanvas hides content (default)  offcanvas.show shows content | | |
|  | offcanvas | id="offcanvasExample" | Div parent |
|  | offcanvas-start  offcanvas-end  offcanvas-top  offcanvas-bottom | Position in open | In parent offcanvas |
|  |  | data-bs-backdrop="false" | In parent offcanvas |
|  |  | data-bs-scroll="true" | In parent offcanvas |
|  |  |  |  |
|  | offcanvas-header |  | Div child of parent |
|  | offcanvas-title |  | H5 child of header |
|  |  | data-bs-dismiss="offcanvas"  class="btn-close text-reset" | Button child of header |
|  | offcanvas-body |  |  |
|  |  |  |  |
|  | **Open offcanvas from button or a**  **فتح الكانفس من زر نعمله خارج الكانفس** | | |
|  |  | data-bs-toggle="offcanvas" 🡪 | A or button |
|  |  | data-bs-target="#offcanvasExample"  or |  |
|  |  | href="#offcanvasExample" | a |

# **Navs and tabs**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| nav |  |  |  |
| <nav> |  |  |  |
|  | nav | parent | ul or div or nav |
|  | nav-item |  | li |
|  | nav-link | nav-link active | a |
|  | active |  |  |
|  |  |  |  |
|  |  | **tabs** |  |
| tabs |  |  |  |
| <nav> | nav nav-tabs | parent | <nav> parent |
|  | nav-link | data-bs-toggle="tab" | button or a child of nav |
|  | active | data-bs-target="#tb" |  |
|  |  |  |  |
|  | tab-content | Is out tabs --- | parent |
|  | tab-pane | tab-pane fade active show | Child of tab-content |
|  | show | id="tb" in tab-pane |  |
|  | fade | Is animation |  |
|  |  |  |  |
|  | nav-pills | In nav nav-tabs |  |
|  |  |  |  |
|  |  |  |  |

**Scrollspy**

|  |  |  |  |
| --- | --- | --- | --- |
|  | data-bs-spy="scroll" | Is out | Is div parent |
|  | <h4 id="item-1">Item 1</h4> | id="item-1" | Child of scroll |
|  | data-bs-target="#navbar" |  |  |

**Card**

|  |  |  |  |
| --- | --- | --- | --- |
|  | card |  |  |
|  | card-header |  |  |
|  | card-img-top |  |  |
|  | card-body |  |  |
|  | card-title |  |  |
|  | card-text |  |  |
|  | card-footer |  |  |

**btn-group**

|  |  |  |  |
| --- | --- | --- | --- |
|  | btn-toolbar |  | Parent container |
|  | btn-group |  | Parent or child of btn-toolbar |

**list-group**

|  |  |  |  |
| --- | --- | --- | --- |
|  | list-group |  |  |
|  | list-group-flush |  |  |
|  | list-group-item |  |  |
|  | list-group-item-action |  |  |
|  | list-group-item-primary | bg color |  |

**Badge**

|  |  |  |  |
| --- | --- | --- | --- |
|  | badge | Badge badge-primary | Is span or a |
|  | badge-primary |  |  |
|  | Badge-pill |  | border-radius |
|  |  |  |  |

# **Position**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Position** |  |  |  | |
|  | position-static |  |  | |
|  | position-relative |  |  | |
|  | position-absolute |  |  | |
|  | position-fixed |  |  | |
|  | position-sticky |  |  | |
|  | top-0 | 0 50 100 |  | |
|  | start-0 | 0 50 100 |  | |
|  | bottom-0 | 0 50 100 |  | |
|  | end-0 | 0 50 100 |  | |
| Center elements |  |  |  | |
|  | translate-middle | translateX(-50%) and translateY(-50%) | |  |
|  |  |  |  | |
|  |  |  |  | |

**Table**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | table-primary |  |
| table-responsive | **is div** |  |  |
| table-responsive-sm |  |  |
| table |  |  |  |
| thead-dark |  | table-secondary |  |
| thead-light |  |  |  |
| table-striped |  |  |  |
| table-bordered |  |  |  |
| table-hover |  |  |  |
| table-sm |  |  |  |
| table-active |  |  |  |
|  |  |  |  |