Bootstrap4

- feature
  - define
    - Responsive web design
    - HTML, CSS, JS framework for mobile-first web project development
  - Advantages
    - Ease of use
    - Responsive
    - mobile-first access
    - Browser compatibility
- basic
  - mobile-first
    - <meta name="viewport" content="width=device-width, initial-scale=1">
      - width=device-width — Set the width of the page according to the device
      - initial-scale=1 — Initial zoom level when the page is first loaded by the browser
  - container
    - .container — Responsive Fixed Width Container
    - .container-fluid — Full width container
- Grid
  - made by flexbox
  - Up to 12 columns
  - Class
    - .col- — additional small device(screen width is less than 576px)
    - .col-sm- — small device(more than 576px)
    - .col-md- — general device(more than 768px)
    - .col-lg- — big device(more than 992px)
    - .col-xl- — big device(more than 1200px)
- text
  - title
    - <h1> ~ <h6>
    - .display-1~4
  - text
    - <small>
    - typography
    - textcolor — background color : bg-~
- table
  - basic
    - <table>
      - <thead>
        - <tr>
          - <th>
      - color
      - <tbody>
        - <tr>
          - <td>
  - style
- Image
- alert
  - <a href="#" class="alert-link">
    - matching color links
  - alert-dismissible — class="close" data-dismiss="alert"
- button
  - button class
    - "btn btn-~"
    - "btn btn-outline-~"
    - size
    - activation
      - active : make the button appear to be pressed
      - disabled : prevents the button from being clickable
      - loading
        -
        -
    - group
      - direction
        - horizontal :
        - vertical : btn-group-vertical
      - dropdown
        - dropdown-toggle — division : Add dropdown-toggle-split
        -
          - <class="dropdown-item">
- badge
  -
    - badge-pill : round badge
- Progress bar
  -
    - style
      - width
        - progress
          - ex) style="width:70%"
      - height
        - default : 16px
          - ex)style="width:40%;height:20px"
    - progress-bar-striped
    - progress-bar-animated
- spinner
  -
    - color : text-~
  -
- Pagination
  - <ul class="pagination">
    - <li class="page-item">
      - active
      - disabled
  - breadcrumb
    - <ol class="breadcrumb">
      - <li class="breadcrumb-item">
- List Groups
  - <ul class="list-group">
    - <li class="list-group-item">
      - active / disabled
      - list-group-item-action
        -
          - <a href="#" class="list-group-item list-group-item-action">
      - list-group-flush — remove borders
      - list-group-horizontal
- Card
  -
    - class
      - class(style)
    - Images
      - <img class>
        - card-img-top
        - card-img-bottom
      - button
        - stretched-link
      -
- Dropdown
  -
    -
      - <a href="#" class="dropdown-item">
        - classification
          -
            - classify by line
          -
            - classify by header
        - active / disabled
    - position
- Collapse(접기)
  - <button data-toggle="collapse" data-target="#demo">
    - appear when button is pressed
  -
    - visible by default
  -
    - data-parent="#accordion">
- nav
  - <ul class="nav">
    - <li class="nav-item">
      - <a class="nav-link">
    - class
    - tab
  - Navigation bar
    - <nav class="navbar">
      - <ul class="navbar-nav">
    - navbar-brand — Emphasize the brand/logo/project name
    - <form class="form-inline">
    - fixed
- Form
  - ex)
    - <form class="form-inline" action="/action_page.php">
      -
        - <label for="email">Email:</label>
        - <input type="text" class="form-control" id="email">
      -
        - <label for="pwd">Pwd:</label>
        - <input type="text" class="form-control" id="pwd">
  - validation
    - was-validated
      - valid-feedback
      - invalid-feedback
    - needs-validation — Same as was-validated but add jQuery to work properly
  - Control
    - input
      - ex) <input type="text" class="form-control" id="usr">
      - Input groups
        - <input type="text" class="form-control-plaintext">
        -
          - @
            - span before input
        -
          - span before input
        - checkbox, radio, button(dropdown)
    - textarea
      - ex) <textarea class="form-control">
    - checkbox
      -
        - <label class="form-check-label">
          - <input type="checkbox" class="form-check-input">
      - ex)
        - horizontal
    - radio
      - <input type="radio">
    - select
      - <select class="form-control">
        - <option>
    - range
      - <input type="range" class="form-control-range">
    - file
      - <input type="file" class="form-control-file border">
  - custom form
    - Custom Form —
      - checkbox
        -
          - <input type="checkbox" class="custom-control-input>
      - switch
        -
          - <input type="checkbox" class="custom-control-input>
      - radio
        -
          - custom-control-inline : horizontal
      - select
        - <select class="custom-select">
      - range
        - <input type="range" class="custom-range">
      - file
        -
          - <input type="file" class="custom-file-input">
- Carousel
  - class
- Modal
  - Dialog / pop-up window displayed at the top of the page
    -
      -
        -
          -
          -
          -
      - add animation
        -
      - Adjustable size
      - scroll
        -
- Tooltip/Popover
  - Tooltip
    - Popup box that appears when mouse pointer is over
      - ex) data-toggle="tooltip" title="Hooray!"
        - Must be initialized with jQuery
          - ex)
            - <script>
            - $(document).ready(function(){
            - $('[data-toggle="tooltip"]').tooltip();
            - });
            - </script>
        - positioning
          - data-placement
  - Popover
    - Popup box that appears when clicked
      - ex) data-toggle="popover" title="header" data-content="inside"
        - Must be initialized with jQuery
          - ex)
            - <script>
            - $(document).ready(function(){
            - $('[data-toggle="popover"]').popover();
            - });
            - </script>
        - positioning
          - data-placement
      - Click again to close the popover
        - data-trigger = "focus" closes when clicked outside
          - data-trigger = "hover": Show popup when hovering over
- Toast
  -
    -
      -
        - Hidden by default (data-autohide = "true")
- Media
  -
    -

available in button

내부에 사용 가능

- Color
  - gray
    - muted
  - blue
    - primary
  - green
    - success
  - mint
    - info
  - yellow
    - warning
  - red
    - danger
  - gray
    - secondary
  - darkgray
    - dark
  - black
    - body
- size
  - very large
    - xl
  - large
    - lg
  - small
    - sm

XMind:ZEN | Trial Mode