Bootstrap Components

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Mar 14

We are learning Bootstrap-5  
Previous Version is Bootstrap-4  
  
  
                 Bootstrap Box Model Classes  
                 =======================  
  
Margins:  
        .m{sides}-{size}  
  
        sides        : s [left]   e [right]   t [top]   b [bottom]  
  
        size        : 1 to 4  
  
        ms-1  
        me-2  
        mt-3  
        mb-4  
  
  
Padding:  
        .p{sides}-{size}  
  
        .ps-1  
        .pe-2  
        .pt-3  
        .pb-4  
  
  
Border:  
        .border  
        .border-{size}   1 to 4  
        .border-{contextual}  [primary, secondary, danger, success  
                         warning, info, dark, light]  
         
Rounded:  
        .rounded  
        .rounded-{size} 1 to 3  
        .rounded-pill  
        .rounded-circle  
  
Syntax:  
 <img class="border border-danger rounded rounded-pill" src="../public/images/banner.jpg" width="100%">  
  
  
Width and Height:  
        .w-{size}        25, 50, 75, 100  
        .h-{size}        25, 50, 75, 100  
  
Syntax:  
        <button  class="w-100">  
  
  
                          Position Classes  
                          ==============  
.position-static  
.position-relative  
.position-absolute  
.position-fixed  
.position-sticky  
  
.top-{0, 50, 100}  
.bottom-  
.end-  
.start-  
  
Syntax:  
<img class="position-fixed end-0 bottom-0" src="../public/images/jacket.jpg" width="50" height="50">  
  
  
                      Float Class  
                      =========  
.float-start  
.float-end  
  
                         
<img class="float-end" src="../public/images/jacket.jpg" width="199" height="200">  
  
  
                     Display Class  
                     ===========  
.d-{option}  
.d-flex  
.d-none  
.d-inline  
.d-block  
  
Grid is defined by using  
.row  
.col {flexible}  
.col-{size}  1 to 12  
  
Flex Class  
.flex-wrap  
.flex-row  
.flex-column  
.flex-row-reverse  
.flex-column-reverse  
  
Flex Alignment  
.justify-content-center  
.justify-content-between  
.justify-content-around  
.align-items-center  
.align-items-top  
.align-items-bottom  
  
EX: Center Page  
  
<div style="height: 600px;" class="d-flex justify-content-center align-items-center">  
            <img src="../public/images/jacket.jpg" width="199" height="200">  
 </div>  
  
Ex: Grids in row and columns  
  
 <dl class="row">  
            <dt class="col-3">Name</dt>  
            <dd class="col-9">Samsung TV</dd>  
            <dt class="col-3">Price</dt>  
            <dd class="col-9">56000.44</dd>  
            <dt class="col-3">Stock</dt>  
            <dd class="col-9">Available</dd>  
        </dl>  
  
Ex: Grid Layout  
  
<!DOCTYPE html>  
<html>  
    <head>  
        <title>Bootstrap Demo</title>  
        <link rel="stylesheet" href="../node\_modules/bootstrap/dist/css/bootstrap.css">  
        <link rel="stylesheet" href="../node\_modules/bootstrap-icons/font/bootstrap-icons.css">  
     
    </head>  
    <body class="container-fluid">  
        <header>  
            <h1>Amazon Shopping</h1>  
        </header>  
        <section class="row" style="height: 400px;">  
            <nav class="col-2">  
                navigation  
            </nav>  
            <main class="col-8">  
                main..  
            </main>  
            <aside class="col-2">  
                ads..  
            </aside>  
        </section>  
        <footer>  
            &copy; copyright 2022  
        </footer>  
        <script src="../node\_modules/jquery/dist/jquery.js"></script>  
        <script src="../node\_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>  
    </body>  
</html>  
  
Ex: Multiple Rows and Columns  
  
<!DOCTYPE html>  
<html>  
    <head>  
        <title>Bootstrap Demo</title>  
        <link rel="stylesheet" href="../node\_modules/bootstrap/dist/css/bootstrap.css">  
        <link rel="stylesheet" href="../node\_modules/bootstrap-icons/font/bootstrap-icons.css">  
     
    </head>  
    <body class="container-fluid">  
        <div class="row border border-dark">  
            <div class="col text-center">Single Column</div>  
        </div>  
        <div class="row mt-2">  
            <div class="col border border-dark">  
                even col-1  
            </div>  
            <div class="col border border-danger">  
                even col-2  
            </div>  
        </div>  
        <div class="row mt-2">  
            <div class="col-3 border border-danger">  
                 col-3  
            </div>  
            <div class="col-7 border border-danger">  
                col-7  
            </div>  
            <div class="col-2 border border-danger">  
                col-2  
            </div>  
        </div>  
        <script src="../node\_modules/jquery/dist/jquery.js"></script>  
        <script src="../node\_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>  
    </body>  
</html>  
  
                     Text Colors  
                     =========  
.text-{contextual}    
  
                      Background Colors  
                      ===============  
.bg-{contextual}  
  
                      Text Alignments  
                       ============  
.text-start  
.text-end  
.text-center  
.text-justify  
  
  
Ex:  
  
<!DOCTYPE html>  
<html>  
    <head>  
        <title>Bootstrap Demo</title>  
        <link rel="stylesheet" href="../node\_modules/bootstrap/dist/css/bootstrap.css">  
        <link rel="stylesheet" href="../node\_modules/bootstrap-icons/font/bootstrap-icons.css">  
     
    </head>  
    <body class="container-fluid">  
        <h2>Register</h2>  
        <dl>  
            <dt>User Name</dt>  
            <dd><input type="text"></dd>  
            <dd class="text-danger">Name Required</dd>  
            <dt>Password</dt>  
            <dd><input type="password"></dd>  
            <dd class="text-warning"><span class="bi bi-exclamation-triangle-fill"></span>Warning - Caps ON</dd>  
        </dl>  
        <div class="border p-3 mt-2 bg-danger text-white">  
            <h2>Delete Record</h2>  
            <p>Record will be delete permanently</p>  
            <a href="#" class="text-white">Help?</a>  
        </div>  
        <div class="border p-3 mt-2 bg-success text-white">  
            <h2>Record Inserted</h2>  
            <p>Record Inserted Successfully..</p>  
            <a href="#" class="text-white">Help?</a>  
        </div>  
        <div class="border p-3 mt-2 bg-warning text-dark">  
            <h2>Are you sure?</h2>  
            <p>You want to modify?</p>  
            <a href="#" class="text-danger">Help?</a>  
        </div>  
        <script src="../node\_modules/jquery/dist/jquery.js"></script>  
        <script src="../node\_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>  
    </body>  
</html>  
  
                    Bootstrap Components  
                    ==================  
1. Alerts  
   - Alerts are embedded message box in a page.  
   - You can control them dynamically.  
   - Alert classess  
        .alert  
        .alert-{contextual}  
        .alert-title  
        .alert-subtitle  
        .alert-link  
        .btn-close        [close button]  
        .alert-dismissible  
  
jQuery Attributes:  
        data-bs-dismiss        : to close any component in page.  
        data-bs-dismiss="alert"  
  
  
Ex:  
<!DOCTYPE html>  
<html>  
    <head>  
        <title>Bootstrap Demo</title>  
        <link rel="stylesheet" href="../node\_modules/bootstrap/dist/css/bootstrap.css">  
        <link rel="stylesheet" href="../node\_modules/bootstrap-icons/font/bootstrap-icons.css">  
     
    </head>  
    <body class="container-fluid">  
        <h2>Alerts</h2>  
        <div class="alert alert-danger alert-dismissible">  
            <h2 class="alert-title">Delete Record</h2>  
            <button data-bs-dismiss="alert" class="btn-close"></button>  
            <p class="alert-subtitle">Record will be deleted permanently</p>  
            <a class="alert-link" href="#">help?</a>  
            <button class="bg-danger text-white" data-bs-dismiss="alert">OK</button>  
        </div>  
        <script src="../node\_modules/jquery/dist/jquery.js"></script>  
        <script src="../node\_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>  
    </body>  
</html>  
  
2. Badge  
    - It is used to highlight any content in a container.  
    - Bade class  
        .badge  
        .bg-{contextual}  
        .rounded-circle  
        .rounded-pill  
Ex:  
<!DOCTYPE html>  
<html>  
    <head>  
        <title>Bootstrap Demo</title>  
        <link rel="stylesheet" href="../node\_modules/bootstrap/dist/css/bootstrap.css">  
        <link rel="stylesheet" href="../node\_modules/bootstrap-icons/font/bootstrap-icons.css">  
     
    </head>  
    <body class="container-fluid">  
        <h2>Badge</h2>  
        <button><span class="badge bg-primary rounded rounded-circle"><span class="bi bi-bell"></span></span> Notifications <span class="badge rounded rounded-circle bg-primary" >5</span></button>  
        <script src="../node\_modules/jquery/dist/jquery.js"></script>  
        <script src="../node\_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>  
    </body>  
</html>