Bootstrap Lists

There are 3 types of lists supported by Bootstrap are:

- **Unordered Lists:** In Unordered lists, items are marked with bullets.
- **Ordered Lists:** In Ordered lists items are marked with numerical bullets such as 1,2, i, ii, etc.
- **Definition Lists:** In Definition lists, items are defined with its description.

Unordered lists

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="utf-8">

    <meta name="viewport" content=

        "width=device-width, initial-scale=1">

    <title>Bootstrap 4 Unstyled List</title>

    <link rel="stylesheet" href=

"https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/css/bootstrap.min.css">

    <script src="https://code.jquery.com/jquery-3.5.1.min.js">

    </script>

    <script src=

"https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/js/bootstrap.bundle.min.js">

    </script>

</head>

<body>

```html
<h2 class="mb-3">Unordered List</h2>

<ul>

        <li>Chocolates</li>

        <li>Biscuits</li>

        <ul>

                <li>Jim-Jam</li>

                <li>Oreo</li>

        </ul>

        <li>Fruits</li>

        <li>Gifts</li>

</ul>

</body>


</html>
```

Ordered lists

```html
<!DOCTYPE html>

<html lang="en">


<head>

        <meta charset="utf-8">

        <meta name="viewport" content=

                "width=device-width, initial-scale=1">


        <title>Bootstrap 4 Unstyled List</title>
```

```html
        <link rel="stylesheet" href=
"https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/css/bootstrap.min.css">
        <script src="https://code.jquery.com/jquery-3.5.1.min.js">
        </script>
        <script src=
"https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/js/bootstrap.bundle.min.js">
        </script>
</head>

<body>
        <h2 class="mb-3">Ordered List</h2>
        <ol>
                <li>Chocolates</li>
                <li>Biscuits</li>
                <ol type="i">
                        <li>Jim-Jam</li>
                        <li>Oreo</li>
                </ol>
                <li>Fruits</li>
                <li>Gifts</li>
        </ol>
</body>

</html>
```

Definition list

```
<!DOCTYPE html>

<html lang="en">


<head>

        <meta charset="utf-8">

        <meta name="viewport" content=

                "width=device-width, initial-scale=1">


        <title>Bootstrap 4 Unstyled List</title>


        <link rel="stylesheet" href=

"https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/css/bootstrap.min.css">

        <script src="https://code.jquery.com/jquery-3.5.1.min.js">

        </script>

        <script src=

"https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/js/bootstrap.bundle.min.js">

        </script>

</head>


<body>

        <h2 class="mb-3">Definition List</h2>

        <dl>

                <dt>HTML</dt>

                <dd>Hyper Text Markup Language</dd>
```

```
        <dt>CN</dt>

        <dd>Computer Network</dd>

        <dt>DBMS</dt>

        <dd>Database Management System</dd>

    </dl>

</body>


</html>
```

Placing Ordered and Unordered List Items Inline

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Inline List</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

    <ul class="list-inline">

        <li class="list-inline-item">Home</li>

        <li class="list-inline-item">Products</li>

        <li class="list-inline-item">About Us</li>

        <li class="list-inline-item">Contact</li>
```

```
    </ul>

</div>

</body>

</html>
```

Creating List Groups with Bootstrap

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap List Group</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

    <ul class="list-group w-50">

        <li class="list-group-item">Pictures</li>

        <li class="list-group-item">Documents</li>

        <li class="list-group-item">Music</li>

        <li class="list-group-item">Videos</li>

    </ul>

</div>

</body>

</html>
```

Indicate Disabled and Active Items

`.active` to a `.list-group-item` to indicate the current active selection. Similarly, you can add `.disabled` to a `.list-group-item` to make it look like disabled

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Disabled and Active Items within Bootstrap List Group</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

    <ul class="list-group w-50">

        <li class="list-group-item active">Pictures</li>

        <li class="list-group-item">Documents</li>

        <li class="list-group-item">Music</li>

        <li class="list-group-item disabled">Videos</li>

    </ul>

</div>

</body>

</html>
```

Edge-to-Edge List Groups

You can optionally add the class `.list-group-flush` to the `list-group` element to remove outer borders and rounded corners to create list groups that are edge-to-edge with their parent container.

```
<!DOCTYPE html>

<html lang="en">

<head>
```

```
<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Edge-to-Edge List Group</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

  <ul class="list-group list-group-flush">

    <li class="list-group-item">Pictures</li>

    <li class="list-group-item">Documents</li>

    <li class="list-group-item">Music</li>

    <li class="list-group-item">Videos</li>

  </ul>

</div>

</body>

</html>
```

Creating Numbered List Groups

You can also create list groups where items are numbered through simply adding the modifier class `.list-group-numbered` on the `.list-group` element, like this:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Numbered List Group</title>
```

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

    <ol class="list-group list-group-numbered w-50">

        <li class="list-group-item">An item</li>

        <li class="list-group-item">A second item</li>

        <li class="list-group-item">A third item</li>

        <li class="list-group-item">A fourth item</li>

    </ol>

</div>

</body>

</html>
```

List Group with Checkboxes and Radios

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap List Group with Checkboxes</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>
```

```html
<div class="m-4">

    <div class="list-group w-50">

        <label class="list-group-item">

            <input type="checkbox" class="form-check-input me-1" name="hobbies"> Music

        </label>

        <label class="list-group-item">

            <input type="checkbox" class="form-check-input me-1" name="hobbies"> Travel &amp;
Adventure

        </label>

        <label class="list-group-item">

            <input type="checkbox" class="form-check-input me-1" name="hobbies"> Reading

        </label>

    </div>

</div>

</body>

</html>
```

Similarly, you can place custom radio buttons within list group items, like this:

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap List Group with Radio Buttons</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
```

```
</head>

<body>

<div class="m-4">

   <div class="list-group w-50">

      <label class="list-group-item">

         <input type="radio" class="form-check-input me-1" name="gender"> Male

      </label>

      <label class="list-group-item">

         <input type="radio" class="form-check-input me-1" name="gender"> Female

      </label>

   </div>

</div>

</body>

</html>
```

List Group with Linked Items

You can also link list group items with the little change in HTML markup.

Just replace the `<li>` with `<a>` tag and use `<div>` element as a parent instead of `<ul>`. You can also add icons and badges to this list group to make it more elegant. Here's an example:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap List Group with Linked Items</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.5.0/font/bootstrap-icons.css">
```

```html
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
</head>
<body>
<div class="m-4">
   <div class="list-group w-50">
      <a href="#" class="list-group-item list-group-item-action active">
         <i class="bi-house-fill"></i> Home
      </a>
      <a href="#" class="list-group-item list-group-item-action">
         <i class="bi-camera-fill"></i> Pictures
         <span class="badge rounded-pill bg-primary float-end">145</span>
      </a>
      <a href="#" class="list-group-item list-group-item-action">
         <i class="bi-music-note-beamed"></i> Music
         <span class="badge rounded-pill bg-primary float-end">50</span>
      </a>
      <a href="#" class="list-group-item list-group-item-action">
         <i class="bi-film"></i> Videos
         <span class="badge rounded-pill bg-primary float-end">8</span>
      </a>
   </div>
</div>
</body>
</html>
```

<h1 style="text-align: center; color: #2a6099;">Bootstrap Cards</h1>

Bootstrap card is a flexible and extensible content container. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options. Card replaces panel, well, and thumbnail components in old Bootstrap 3 version.

In the following sections, you will see what you can do with the card component.

Creating a Basic Card

The card markup is pretty straight forward. The outer wrapper require the base class `.card`, whereas content can be placed inside the `.card-body` element. T

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Card</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

   <div class="card" style="width: 300px;">

     <img src="/examples/images/sample.svg" class="card-img-top" alt="Sample Image">

     <div class="card-body text-center">

       <h5 class="card-title">Alice Liddel</h5>

       <p class="card-text">Alice is a freelance web designer and developer based in London. She is specialized in HTML5, CSS3, JavaScript, Bootstrap, etc.</p>

       View Profile

     </div>

   </div>

</div>

</body>

</html>

Bootstrap Icons

Bootstrap now includes over 1,300 high quality icons, which are available in SVGs, SVG sprite, or web fonts format. You can use them with or without Bootstrap in any project.

CSS Prefix fa and the icon's name. Icons are designed to be used with inline elements (we like the <i> tag for brevity, but using a <span> is more semantically correct).

<i class="fas fa-camera-retro"></i>

Example

<!-- vertically aligning icons -->

<div style="font-size: 2rem;">

  <div><i class="fa-solid fa-skating fa-fw" style="background:DodgerBlue"></i> Skating</div>

  <div><i class="fa-solid fa-skiing fa-fw" style="background:SkyBlue"></i> Skiing</div>

  <div><i class="fa-solid fa-skiing-nordic fa-fw" style="background:DodgerBlue"></i> Nordic Skiing</div>

  <div><i class="fa-solid fa-snowboarding fa-fw" style="background:SkyBlue"></i> Snowboarding</div>

  <div><i class="fa-solid fa-snowplow fa-fw" style="background:DodgerBlue"></i> Snowplow</div>

</div>

Example 2

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>Including Bootstrap Icons in HTML</title>

```
<!-- Bootstrap CSS -->

<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css">

<!-- Bootstrap Font Icon CSS -->

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.5.0/font/bootstrap-
icons.css">

</head>

<body>

    <h1 class="m-4"><i class="bi-globe"></i> Hello, world!</h1>


    <!-- Bootstrap JS Bundle with Popper -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>
```

Bootstrap Nav Components

All the Bootstrap's nav components, including tabs and pills, share the same base markup and styles through the base `.nav` class.

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Basic Nav</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
```

```
    </head>

    <body>

    <div class="m-4">

      <nav class="nav">

        <a href="#" class="nav-item nav-link active">Home</a>

        <a href="#" class="nav-item nav-link">Profile</a>

        <a href="#" class="nav-item nav-link">Messages</a>

        <a href="#" class="nav-item nav-link disabled" tabindex="-1">Reports</a>

      </nav>

    </div>

    </body>

    </html>
```

Alignment of Nav Items

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Nav Center Alignment</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

  <nav class="nav justify-content-center">
```

```
            <a href="#" class="nav-item nav-link active">Home</a>

            <a href="#" class="nav-item nav-link">Profile</a>

            <a href="#" class="nav-item nav-link">Messages</a>

            <a href="#" class="nav-item nav-link disabled" tabindex="-1">Reports</a>

        </nav>

    </div>

    </body>

    </html>
```

Similarly, you can align nav items to right using the class `.justify-content-end`, like this:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Nav Right Alignment</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

    <nav class="nav justify-content-end">

        <a href="#" class="nav-item nav-link active">Home</a>

        <a href="#" class="nav-item nav-link">Profile</a>
```

```html
        <a href="#" class="nav-item nav-link">Messages</a>

        <a href="#" class="nav-item nav-link disabled" tabindex="-1">Reports</a>

    </nav>

</div>

</body>

</html>
```

Moreover, you can even vertically stack your nav items by changing the flex item direction with the class `.flex-column`. Also, if you want to stack your nav vertically on smaller viewports but not on others, use it with responsive breakpoint (e.g., `.flex-sm-column`).

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Vertically Stacked Nav</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

    <nav class="nav flex-column">

        <a href="#" class="nav-item nav-link active">Home</a>

        <a href="#" class="nav-item nav-link">Profile</a>

        <a href="#" class="nav-item nav-link">Messages</a>

        <a href="#" class="nav-item nav-link disabled" tabindex="-1">Reports</a>
```

```
    </nav>

</div>

</body>

</html>
```

Bootstrap Nav with Dropdown Menus

You can add dropdown menus to a link inside tabs and pills nav with a little extra markup.

The four CSS classes `.dropdown`, `.dropdown-toggle`, `.dropdown-menu` and `.dropdown-item` are required in addition to the `.nav`, `.nav-tabs` or `.nav-pills` classes to create a simple dropdown menu inside tabs and pills nav without using any JavaScript code.

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Tabs with Dropdown Menus</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

  <nav class="nav nav-tabs">

    <a href="#" class="nav-item nav-link active">Home</a>

    <a href="#" class="nav-item nav-link">Profile</a>

    <div class="nav-item dropdown">

      <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">Messages</a>

      <div class="dropdown-menu">
```

```html
            <a href="#" class="dropdown-item">Inbox</a>

            <a href="#" class="dropdown-item">Sent</a>

            <a href="#" class="dropdown-item">Drafts</a>

        </div>

    </div>

    <a href="#" class="nav-item nav-link disabled" tabindex="-1">Reports</a>

  </nav>

</div>

</body>

</html>
```

Bootstrap Accordion

Accordion is a series of panels stacked on the top of each other.

Accordion menus and widgets are widely used in the web applications to manage the large amount of content and navigation lists in a small amount area. With Bootstrap collapse plugin you can either create accordions or show and hide content without writing any JavaScript code.

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Accordion</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

  <div class="accordion" id="myAccordion">
```

```html
<div class="accordion-item">

    <h2 class="accordion-header" id="headingOne">

        <button type="button" class="accordion-button collapsed" data-bs-toggle="collapse" data-bs-target="#collapseOne">1. What is HTML?</button>

    </h2>

    <div id="collapseOne" class="accordion-collapse collapse" data-bs-parent="#myAccordion">

        <div class="card-body">

            <p>HTML stands for HyperText Markup Language. HTML is the standard markup language for describing the structure of web pages. <a href="https://www.tutorialrepublic.com/html-tutorial/" target="_blank">Learn more.</a></p>

        </div>

    </div>

</div>

<div class="accordion-item">

    <h2 class="accordion-header" id="headingTwo">

        <button type="button" class="accordion-button" data-bs-toggle="collapse" data-bs-target="#collapseTwo">2. What is Bootstrap?</button>

    </h2>

    <div id="collapseTwo" class="accordion-collapse collapse show" data-bs-parent="#myAccordion">

        <div class="card-body">

            <p>Bootstrap is a sleek, intuitive, and powerful front-end framework for faster and easier web development. It is a collection of CSS and HTML conventions. <a href="https://www.tutorialrepublic.com/twitter-bootstrap-tutorial/" target="_blank">Learn more.</a></p>

        </div>

    </div>

</div>
```

```
    <div class="accordion-item">

        <h2 class="accordion-header" id="headingThree">

            <button type="button" class="accordion-button collapsed" data-bs-toggle="collapse" data-bs-target="#collapseThree">3. What is CSS?</button>

        </h2>

        <div id="collapseThree" class="accordion-collapse collapse" data-bs-parent="#myAccordion">

            <div class="card-body">

                <p>CSS stands for Cascading Style Sheet. CSS allows you to specify various style properties for a given HTML element such as colors, backgrounds, fonts etc. <a href="https://www.tutorialrepublic.com/css-tutorial/" target="_blank">Learn more.</a></p>

            </div>

        </div>

    </div>

</div>

</body>

</html>
```

Creating Breadcrumbs with Bootstrap

A breadcrumb is a navigation scheme that indicates current page's location to the user within a website or application. Breadcrumb navigation can greatly enhance the accessibility of a website having a large number of pages or complex navigational hierarchy.

You can create static breadcrumbs layouts with Bootstrap simply using the class `.breadcrumb` on the [ordered lists](#)

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Creating Breadcrumb in Bootstrap</title>
```

```html
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

  <nav>

    <ol class="breadcrumb">

      <li class="breadcrumb-item"><a href="#">Home</a></li>

      <li class="breadcrumb-item"><a href="#">Products</a></li>

      <li class="breadcrumb-item active">Accessories</li>

    </ol>

  </nav>

</div>

</body>

</html>
```

Bootstrap Pagination

Creating Pagination with Bootstrap

Pagination is the process of organizing content by dividing it into separate pages.

Pagination is used in some or other form quite often in almost every web application, for instance it is used by search engines for displaying a limited number of results on search results pages, or showing a limited number of posts for every page on a blog or forum.

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">
```

```html
<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Pagination</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

  <nav>

    <ul class="pagination">

      <li class="page-item"><a href="#" class="page-link">Previous</a></li>

      <li class="page-item"><a href="#" class="page-link">1</a></li>

      <li class="page-item"><a href="#" class="page-link">2</a></li>

      <li class="page-item"><a href="#" class="page-link">3</a></li>

      <li class="page-item"><a href="#" class="page-link">4</a></li>

      <li class="page-item"><a href="#" class="page-link">5</a></li>

      <li class="page-item"><a href="#" class="page-link">Next</a></li>

    </ul>

  </nav>

</div>

</body>

</html>
```

Bootstrap Badges

Badges are generally used to indicate some valuable information on the web pages such as important heading, warning messages, notification counter, etc.

```html
<!DOCTYPE html>

<html lang="en">
```

```html
<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Colored Badges</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

    <span class="badge bg-primary">Primary</span>

    <span class="badge bg-secondary">Secondary</span>

    <span class="badge bg-success">Success</span>

    <span class="badge bg-danger">Danger</span>

    <span class="badge bg-warning text-dark">Warning</span>

    <span class="badge bg-info text-dark">Info</span>

    <span class="badge bg-dark">Dark</span>

    <span class="badge bg-light text-dark">Light</span>

</div>

</body>

</html>
```

Bootstrap Collapse

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Creating Bootstrap Collapsible Element via Data Attributes</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

   <p>

      <!-- Trigger Buttons HTML -->

      <a href="#myCollapse" data-bs-toggle="collapse">Toggle Element</a>

      <button type="button" class="btn btn-primary ms-4" data-bs-toggle="collapse" data-bs-
target="#myCollapse">Toggle Element</button>

   </p>

   <!-- Collapsible Element HTML -->

   <div class="collapse show" id="myCollapse">

      <div class="card card-body">This is a simple example of showing and hiding specific element via
data attributes. Click any trigger buttons to toggle this panel.</div>

   </div>

</div>

</body>

</html>
```

Explanation of Code

The Bootstrap collapse plugin basically requires the two elements to work properly — the trigger element such as a
button or hyperlink, and the collapsible element itself.

- The `data-bs-toggle="collapse"` attribute is added to the trigger or controller element along with a attribute `data-bs-target` (for buttons) or `href` (for anchors) to automatically assign control of one or more collapsible elements.

- The `data-bs-target` or `href` attribute accepts a [CSS selector](#) (such as id selector `#myCollapse` in our example) to apply the collapse to a specific element.
- The class `.collapse` is added to the collapsible element (*line no-6*).
- You can optionally add the class `.show` (*line no-6*) to the collapsible element in addition to the class `.collapse` to make it open by default.

Bootstrap Carousel

The carousel also known as slideshow or image slider is some of the best way of showcasing the huge amount of contents within a small space on the web pages. It is a dynamic presentation of contents where text and images are made visible or accessible to the user by cycling through several item

```html
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Bootstrap Carousel</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

<style>

/* Custom style to prevent carousel from being distorted

    if for some reason image doesn't load */

.carousel-item{

    min-height: 280px;

}

</style>

</head>

<body>

<div class="container-lg my-3">
```

```html
<div id="myCarousel" class="carousel slide" data-bs-ride="carousel">

  <!-- Carousel indicators -->

  <ol class="carousel-indicators">

    <li data-bs-target="#myCarousel" data-bs-slide-to="0" class="active"></li>

    <li data-bs-target="#myCarousel" data-bs-slide-to="1"></li>

    <li data-bs-target="#myCarousel" data-bs-slide-to="2"></li>

  </ol>


  <!-- Wrapper for carousel items -->

  <div class="carousel-inner">

    <div class="carousel-item active">

      <img src="/examples/images/slide1.png" class="d-block w-100" alt="Slide 1">

    </div>

    <div class="carousel-item">

      <img src="/examples/images/slide2.png" class="d-block w-100" alt="Slide 2">

    </div>

    <div class="carousel-item">

      <img src="/examples/images/slide3.png" class="d-block w-100" alt="Slide 3">

    </div>

  </div>


  <!-- Carousel controls -->

  <a class="carousel-control-prev" href="#myCarousel" data-bs-slide="prev">

    <span class="carousel-control-prev-icon"></span>

  </a>
```

```
        <a class="carousel-control-next" href="#myCarousel" data-bs-slide="next">

            <span class="carousel-control-next-icon"></span>

        </a>

    </div>

</div>

</body>

</html>
```

Bootstrap Toasts

The toast component is newly introduced in Bootstrap 4. They are lightweight notifications similar to push notifications that are shown by web browsers on computer screens. They're built with flexbox, so you can easily align and position them on a web page.

Additionally, toasts are opt-in for performance reasons, so you must initialize them yourself with `toast()` method. Also, toasts will automatically hide after 5000 milliseconds (5 seconds), if you do not specify `autohide: false` option

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Creating Toast in Bootstrap</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.5.0/font/bootstrap-icons.css">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="m-4">

    <p><strong>Note:</strong> The <code>.show</code> is added to display the toast, and the class
<code>.fade</code> apply a CSS fade transition to the toast. By default, toast it is hidden.</p>
```

```html
<div class="toast fade show" id="myToast">

    <div class="toast-header">

        <strong class="me-auto"><i class="bi-gift-fill"></i> We miss you!</strong>

        <small>11 mins ago</small>

        <button type="button" class="btn-close" data-bs-dismiss="toast" aria-label="Close"></button>

    </div>

    <div class="toast-body">

        It's been a long time since you visited us. We've something special for you. <a href="#">Click here!</a>

    </div>

</div>

</body>

</html>
```