

Basic list

The most basic list group is an unordered list with list items. To create a basic list group, use an `` element with class `list-group`, and `` elements with class `list-group-item`:

Example) Create a simple list

Food Shopping

| |
|--------|
| Apple |
| Milk |
| Cereal |

```
<h2>Food Shopping</h2>
<ul class="list-group">
  <li class="list-group-item">Apple</li>
  <li class="list-group-item">Milk</li>
  <li class="list-group-item">Cereal</li>
</ul>
```

Active State on a list

Use the `active` class to highlight the current item:

Food Shopping

| |
|--------|
| Apple |
| Milk |
| Cereal |

```
<h2>Food Shopping</h2>
<ul class="list-group">
  <li class="list-group-item">Apple</li>
  <li class="list-group-item">Milk</li>
  <li class="list-group-item active">Cereal</li>
</ul>
```

Dropdown menu

A dropdown menu is a toggleable menu that allows the user to choose one value from a predefined list. Although dropdowns are technically a separate component, they are used very often in menus. You can use dropdown in a bunch of different components including navs, tabs, and buttons.

A dropdown requires a container, just like a lot of other elements to work. Therefore, you will need to create something that has a class of **dropdown**. This is usually a **div**, or it could be on a list item if you're using a navigation that uses list items. To do so, we need to apply the **dropdown**, **dropdown-toggle**, **data-bs-toggle="dropdown"**, **dropdown-item**, and **dropdown-menu**.

- The **dropdown** class indicates a dropdown menu.
- To open the dropdown menu, use a button or a link with a class of **dropdown-toggle** and the **data-bs-toggle="dropdown"** attribute.
- Add the **dropdown-menu** class to a **<div>** or **** element to actually build the dropdown menu.
- Then add the **dropdown-item** class to each element (links or buttons) inside the dropdown menu.

Example) Create a dropdown menu with three hyperlinks

First, we create a container for the dropdown menu and use Bootstrap **class="dropdown"**

```
<div class="dropdown">  
  
</div>
```

Within the dropdown container, we can add a button to open and close the dropdown menu. The button should have **class="dropdown-toggle"** and **data-bs-toggle="dropdown"** to open and close the dropdown menu:

```
<div class="dropdown">  
  <button type="button" class=" dropdown-toggle btn btn-secondary"  
    data-bs-toggle="dropdown">CUNY Community College</button>  
</div>
```

After the button, it is time to create the dropdown menu. The dropdown menu can be created using an unordered list with **class="dropdown-menu"**

```
<div class="dropdown">  
  <button type="button" class=" dropdown-toggle btn btn-secondary"  
    data-bs-toggle="dropdown">CUNY Community College</button>  
  <ul class="dropdown-menu">  
  
    </ul>  
</div>
```

Within the dropdown-menu goes the link or item in the list. For each `<a>` element in the list, we add a Bootstrap `class="dropdown-item"`

```
<div class="dropdown">
  <button type="button" class=" dropdown-toggle btn btn-secondary"
    data-bs-toggle="dropdown">CUNY Community College</button>
  <ul class="dropdown-menu">
    <li><a href="https://www.qcc.cuny.edu/" target="_blank" class="dropdown-
      item"> Queensborough CC</a> </li>
    <li><a href="http://www.bcc.cuny.edu/" class="dropdown-item"
      target="_blank"> Bronx CC</a> </li>
    <li><a href="https://www.kbcc.cuny.edu/" class="dropdown-item"
      target="_blank"> Kingsborough BCC</a> </li>
  </ul>
</div>
```

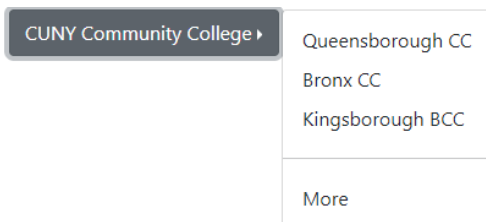
Adding dropdown menu orientation, dropdown menu header, and dropdown menu separator

Dropdown menu can change the dropdown orientation to top, left, or right by the following class in the dropdown container:

- `class="dropdown dropend"` dropdown menu will open to the right
- `class="dropdown dropstart"` dropdown menu will open to the left
- `class="dropdown dropup"` dropdown menu will open on top

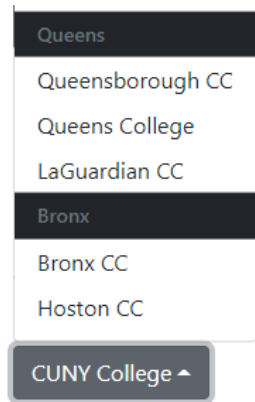
To add a dropdown menu separator, we need to add a `<hr>` where the separator goes. For a dropdown menu header, we can add a `` with `class="dropdown-header"`

Example) Create a dropdown list that opens to the right with menu separator



```
<div class="dropdown dropend">
  <button type="button" class=" dropdown-toggle btn btn-secondary"
    data-bs-toggle="dropdown">CUNY Community College</button>
  <ul class="dropdown-menu">
    <li><a href="https://www.qcc.cuny.edu/" target="_blank" class="dropdown-
      item"> Queensborough CC</a> </li>
    <li><a href="http://www.bcc.cuny.edu/" class="dropdown-item"
      target="_blank"> Bronx CC</a> </li>
    <li><hr></li>
    <li><a href="https://www.cuny.edu/" target="_blank"
      class="dropdown-item"> More</a> </li>
  </ul>
</div>
```

Example) Create a dropdown menu that opens up with dropdown headers



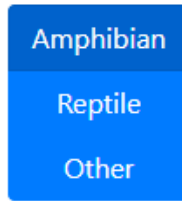
```
<div class="dropdown dropup">
  <button type="button" class=" dropdown-toggle btn btn-secondary"
    data-bs-toggle="dropdown">CUNY Community College</button>
  <ul class="dropdown-menu">
    <li class="bg-dark text-light"><h5 class="dropdown-header">
      Queens</h5></li>
    <li><a href="https://www.qcc.cuny.edu/" target="_blank" class="dropdown-
      item"> Queensborough CC</a> </li>
    <li><a href="http://www.qc.cuny.edu/" class="dropdown-item"
      target="_blank">Queens College</a> </li>
    <li class="bg-dark text-light"><h5 class="dropdown-header">
      Bronx</h5></li>
    <li><a href="http://www.bcc.cuny.edu/" class="dropdown-item"
      target="_blank"> Bronx CC</a> </li>
  </ul>
</div>
```

Grouping buttons and dropdown menu

There are a few classes that help you create button groups. To group simple buttons together you can use the **btn-group** class. There's also a vertical option for button groups that stack on top of one another. Those are traditionally used for mobile devices but you can use them for whatever you want. Finally, there is a toolbar option that let us create groups of button groups. Now when you're creating button groups it's a good idea to use the aria label property to add a little bit of context to your button groups:

- **btn-group**
- **btn-group-vertical**
- **btn-toolbar**

Example) Create a vertical menu with buttons



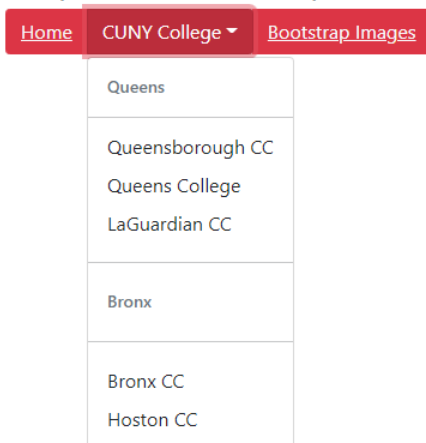
For this, we can create a container using `<div>` and add `class='btn-group-vertical'`

```
<div class='btn-group-vertical'>
  </div>
```

Within the container, we can add individual buttons

```
<div class='btn-group-vertical'>
  <button type="button" class="btn btn-primary active">Amphibian</button>
  <button type="button" class="btn btn-primary">Reptile</button>
  <button type="button" class="btn btn-primary">Other</button>
</div>
```

Example) Create horizontal navigation bars using buttons with one button with dropdown menu



For this, we can create a container using `<div>` and add `class='btn-group'`

```
<div class='btn-group'>
  </div>
```

Within the container, we can add individual buttons:

```
<div class='btn-group >
  <button type="button" class="btn btn-danger"> Home </button>
  <button type="button" class="btn btn-danger > CUNY College </button>
  <button type="button" class="btn btn-danger"> Bootstrap Images </button>
</div>
```

Since we are using the second button as dropdown menu, then we can add the classes dropdown-toggle" data-bs-toggle="dropdown" to the second button:

```
<div class='btn-group >
  <button type="button" class="btn btn-danger"> Home </button>
  <button type="button" class="btn btn-danger dropdown-toggle" data-bs-
  toggle="dropdown"
  > CUNY College </button>
  <button type="button" class="btn btn-danger"> Bootstrap Images </button>
</div>
```

Now we can add the dropdown menu and link the menu to the second button:

```
<div class="btn-group">
  <button type="button" class="btn btn-danger"> Home</button>
  <button type="button" class="btn btn-danger dropdown-toggle" data-bs-
  toggle="dropdown"
  > CUNY College</button>
  <button type="button" class="btn btn-danger"> Bootstrap Images</button>
  <!-- dropdown menu -->
  <ul class="dropdown-menu">
    <li><h5 class="dropdown-header">Queens</h5><hr class="dropdown-divider"></li>
    <li><a href="https://www.qcc.cuny.edu/" target="_blank" class="dropdown-item">
      Queensborough CC</a> </li>
    <li><a href="http://www.qc.cuny.edu/" class="dropdown-item" target="_blank">
      Queens College</a> </li>
    <li><a href="https://www.kbcc.cuny.edu/" class="dropdown-item"
      target="_blank"> LaGuardian CC</a> </li>
    <li><hr><h5 class="dropdown-header">Bronx</h5><hr></li>
    <li><a href="https://www.bcc.cuny.edu/" target="_blank" class="dropdown-item">
      Bronx CC</a> </li>
    <li><a href="https://www.hoston.cuny.edu/" target="_blank"
      class="dropdown-item">Hoston CC</a></li>
  </ul>
</div>
```

After it, we can create a hyperlink to the first and third button:

```
<div class='btn-group >
  <button type="button" class="btn btn-danger"><a href="#" class="text-light">
    Home</a></button>
  <button type="button" class="btn btn-danger data-bs-toggle="dropdown"
    dropdown-toggle"> CUNY College </button>
  <button type="button" class="btn btn-danger"><a href="#BI" class="text-light">
    Bootstrap Images</a></button>
  <!-- dropdown menu -->
  <ul class="dropdown-menu">
    <li><h5 class="dropdown-header">Queens</h5><hr class="dropdown-divider"></li>
    <li><a href="https://www.qcc.cuny.edu/" class="dropdown-item" target="_blank">
      Queensborough CC</a> </li>
    <li><a href="http://www.qc.cuny.edu/" class="dropdown-item" target="_blank">
      Queens College</a> </li>
    <li><a href="https://www.kbcc.cuny.edu/" class="dropdown-item"
      target="_blank"> LaGuardian CC</a> </li>
    <li><hr><h5 class="dropdown-header">Bronx</h5><hr></li>
    <li><a href="https://www.bcc.cuny.edu/" target="_blank" class="dropdown-item">
      Bronx CC</a> </li>
    <li><a href="https://www.hoston.cuny.edu/" target="_blank"
      class="dropdown-item">Hoston CC</a></li>
  </ul>
</div>
```