

# *Responsive Web Design and Bootstrap*

*the beginning of a new era in the Web*

*Eng. Niveen Nasr El-Den*  
*SD & Gaming CoE*  
*iTi*

*Day 3*

# *Bootstrap*

*Designed for everyone,  
everywhere*

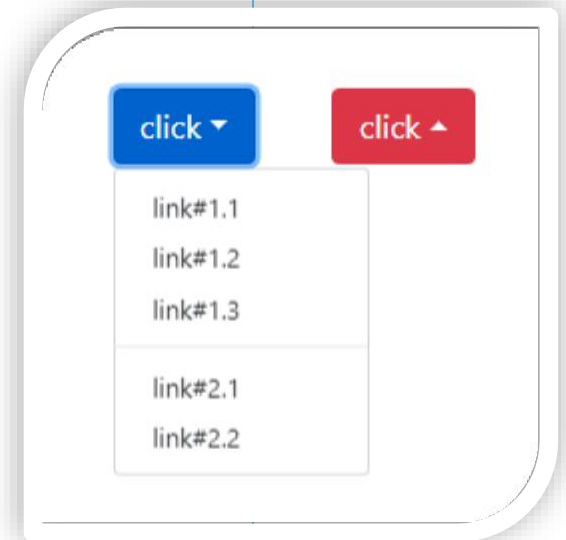
*Think Grid.. Think Mobile First*

# Bootstrap JavaScript

- Bootstrap's first-class API
- We can use almost all Bootstrap plugins via **data-bs-\*** markup without writing a single line of JavaScript but, **only one plugin per element**

# Dropdown

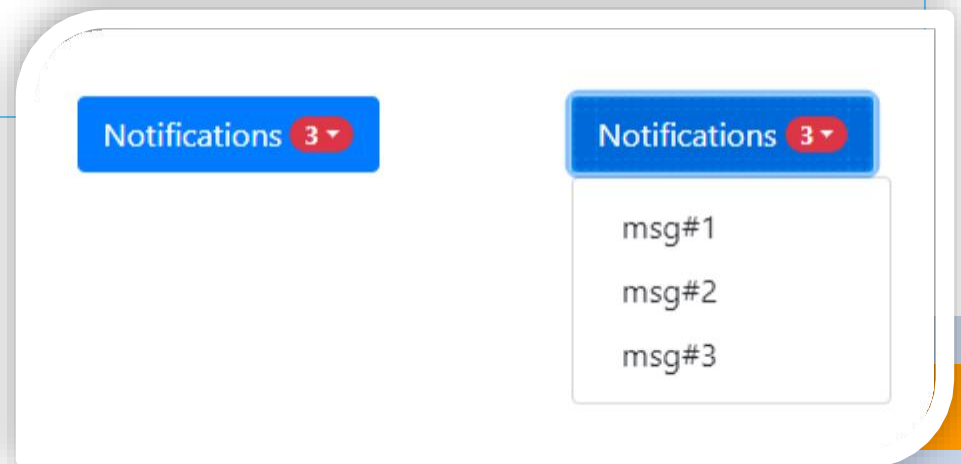
```
<div class="dropdown">  
  <button class="btn btn-lg btn-primary dropdown-toggle"  
    data-bs-toggle="dropdown">click  
  </button>  
  <div class="dropdown-menu">  
    <a class="dropdown-item">link#1.1</a>  
    <a class="dropdown-item">link#1.2</a>  
    <a class="dropdown-item">link#1.3</a>  
    <div class="dropdown-divider"></div>  
    <a class="dropdown-item">link#2.1</a>  
    <a class="dropdown-item">link#2.2</a>  
  </div>  
</div>
```



Note:  
container class could be  
**dropdown | dropleft | dropright | dropup**

# Dropdown & Badge

```
<div class="dropdown">
  <button class="btn btn-primary " data-bs-toggle="dropdown">
    Notifications
    <span class="badge rounded-pill dropdown-toggle bg-danger">3</span>
  </button>
  <div class="dropdown-menu">
    <a class="dropdown-item" href="#">msg#1</a>
    <a class="dropdown-item" href="#">msg#2</a>
    <a class="dropdown-item" href="#">msg#3</a>
  </div>
</div>
```



# Collapse

click

click

Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

```
<button class="btn btn-primary"  
  data-bs-toggle="collapse" data-bs-target="#c">click</button>
```

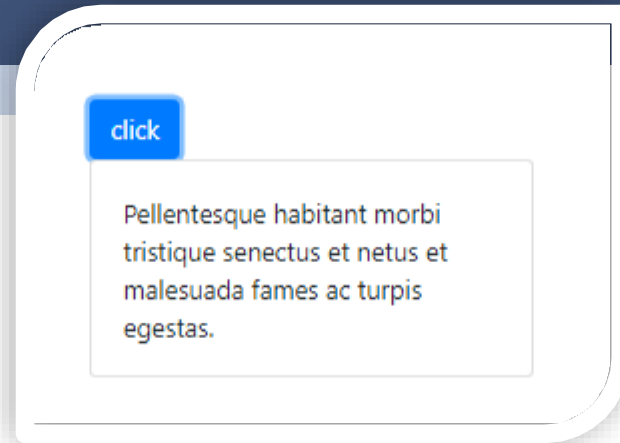
```
<div class="collapse" id="c">
```

Pellentesque habitant morbi tristique senectus et  
netus et malesuada fames ac turpis egestas.

```
</div>
```

Note:  
add **.show** class to  
make the collapsible  
div initially displays  
its content

# Collapse



```
<button class="btn btn-primary"
  data-bs-toggle="collapse" data-bs-target="#c">click</button>

<div class="collapse" id="c">
  <div class="card card-body w-25">
    Pellentesque habitant morbi tristique senectus et
    netus et malesuada fames ac turpis egestas.
  </div>
</div>
```



# Card

## heading3

### heading 4

#### heading 6

Pellentesque habitant morbi tristique.

Pellentesque habitant egestas.

```
<div class="card">  
  <div class="card-header bg-primary text-white">  
    <h3>heading3</h3>  
  </div>  
  
  <div class="card-body">  
    <h4 class="card-title">heading 4</h4>  
    <h6 class="card-subtitle">heading 6</h6>  
  
    <p class="card-text">Pellentesque habitant morbi tristique.</p>  
  </div>  
  
  <div class="card-footer">  
    <p class="text-muted">Pellentesque habitant egestas.</p>  
  </div>  
</div>
```

**Note:**  
useful classes for card :  
card-group  
card-img-top  
card-link

# Media Object

```
<div class="d-flex justify-content-start">  
    
  <div class="text-center">  
    <h4>media</h4>  
    <p class="text-justify">Pellentesque habitant.</p>  
  
  </div>  
</div>
```



## media

Pellentesque habitant. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

# Alert

Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Lorem ipsum dolor sit amet, consectetur adipiscing elit



Lorem ipsum dolor sit amet, **click here!!**consectetur adipiscing elit



Lorem ipsum dolor sit amet, consectetur adipiscing elit



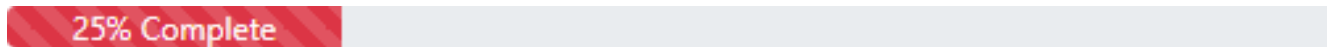
```
<div class="alert alert-success fade show alert-dismissible">
  Lorem ipsum dolor sit amet, consectetur adipiscing elit
  <button class="btn-close" data-bs-dismiss="alert">

  </button>
</div>
```

Note: if we want to provide matching colored links within any alert use **.alert-link** class and **.alert-heading** for heading alert

Note: if we are going to use **.fade** class add **.show** to make the initial content visible

# Progress bar



```
<div class="progress m-5">  
  <div class="progress-bar progress-bar-animated progress-bar-striped  
    w-25 bg-danger" >  
    <span class="">25% Completed</span>  
  </div>  
</div>
```

# Spinner



- New classes in 4.3.1 version
- Indicate the loading state of a component or page with Bootstrap spinners
- Its built entirely with HTML, CSS, and no JavaScript.
- Use either **spinner-grow** or **spinner-border** and **text-\*** for applying color style. Both are supported in bootstrap 5.
- to change the dimensions change width

# Navigation

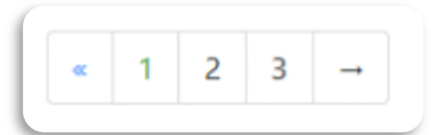
- Navigation is a way to go from page to another
- It is independent on the grid
- `.nav` add padding for all of the navigation links
- It is also used with other navigation classes similar to `.btn`, `.glyphicon`

- Navigation classes

- ▷ `.nav-pills`
- ▷ `.nav-tabs`
- ▷ `.navbar`: adds padding
- ▷ `.navbar-nav`: adds hover effect
- ▷ `.navbar-default`
- ▷ ...

<http://getbootstrap.com/components/#navbar-component-alignment>

# Pagination & Breadcrumb



## ■ Pagination :

```
<ul class="pagination justify-content-end">
  <li class='page-item'>
    <a class='page-link'>&laquo;</a>
  </li>
  <li class='page-item'>
    <a class='page-link'>1</a>
  </li>
  <li class='page-item'>
    <a class='page-link'> 2</a></li>
  <li class='page-item'>
    <a class='page-link'> 3</a></li>
  <li class='page-item'>
    <a class='page-link'> &rarr;</a></li>
</ul>
```

<https://css-tricks.com/snippets/html/glyphs/>

# Pagination & Breadcrumb

- Breadcrumb :
  - ▷ Indicate the current page's location within a navigational hierarchy

```
<ol class="breadcrumb">  
  <li class="breadcrumb-item"> <a href="#">Home</a></li>  
  <li class="breadcrumb-item"> <a href="#">Library</a></li>  
  <li class="breadcrumb-item active">Data</li>  
</ol>
```

Home « Library « Data

<https://css-tricks.com/snippets/html/glyphs/>



# Tooltip & Popover

- Tooltip is a javascript plugin that shows help texts on any HTML element.
- Popover is extended version of ToolTip with some more functionalities, we can display more HTML elements inside it like img, links..etc.
- Tooltip and Popover data-apis must be initialized manually via javascript.

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- Tooltip and Popover data-bs-apis must be initialized manually via javascript.

```
window.onload=function(){  
    var exampleEl = document.querySelector("[data-bs-toggle='tooltip']")  
    var tooltip = new bootstrap.Tooltip(exampleEl)  
}
```

```
<div class="carousel slide " id="cid">
  <!--indicator-->
  <ol class="carousel-indicators">
    <li data-bs-target="#cid" data-bs-slide-to=0 class="active"></li>
    <li data-bs-target="#cid" data-bs-slide-to=1></li>
    <li data-bs-target="#cid" data-bs-slide-to=2></li>
  </ol>
  <!-- inner items-->
  <div class="carousel-inner">
    <div class="carousel-item active">
      
      <div class="carousel-caption">

      </div>
    </div>
    <div class="carousel-item">
      
    </div>
    <div class="carousel-item">
      
    </div>
  </div>

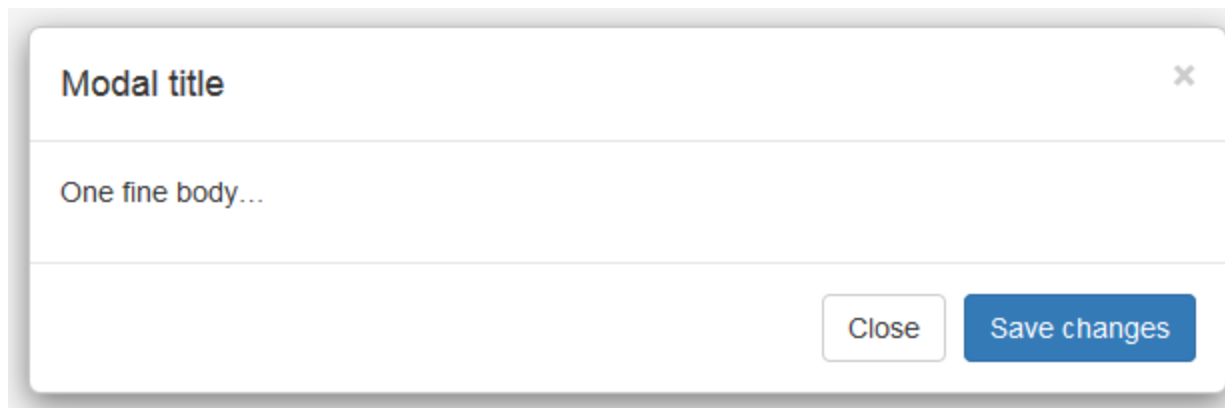
  <!--navigation icons-->

  <a class="carousel-control-prev" data-bs-slide="prev" href="#cid">
    <span class="carousel-control-prev-icon" ></span></a>
  <a class="carousel-control-next" data-bs-slide="next" href="#cid"><span class="carousel-control-next-icon" ></span></a>
```



# Modal

- Modal is a customizable and responsive JavaScript popup.
- It can be used to display alert popups, videos, and images in a website.



# *Assignments*