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# **Jumbotron**

# Jumbotron

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## ❖ .jumbotron, jumbotron-fluid

### Bootstrap Tutorial

Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile-first projects on the web.

```
<div class="jumbotron">
  <h1>Bootstrap Tutorial</h1>
  <p>Bootstrap is the most popular HTML, CSS...</p>
</div>

<div class="jumbotron jumbotron-fluid">
  <div class="container">
    <h1>Bootstrap Tutorial</h1>
    <p>Bootstrap is the most popular HTML, CSS...</p>
  </div>
</div>
```

---

# Alert

# Alert

---

## ❖ .alert

- .alert-success
- .alert-info
- .alert-warning
- .alert-danger
- .alert-primary
- .alert-secondary
- .alert-light
- .alert-dark

**Success!** This alert box indicates a successful or positive action.



```
<div class="alert alert-success">  
  <strong>Success!</strong> Indicates a successful or positive action.  
</div>
```

# Alert

---

## ❖ .alert-link

Success! You should read this message.

```
<div class="alert alert-success">
  <strong>Success!</strong> You should
  <a href="#" class="alert-link">read this message</a>.
</div>
```

# Alert

## ❖ .alert-dismissible

- 경고 메시지 닫기
- .alert-dismissible 클래스를 alert 컨테이너에 추가
- class = "close" 및 data-dismiss="alert"
  - 링크 또는 버튼 요소에 추가 → 이를 클릭하면 경고 상자가 사라짐

Success! This alert box could indicate a successful or positive action.



```
<div class="alert alert-success alert-dismissible">
  <button type="button" class="close" data-dismiss="alert">
    &times;</button>
  <strong>Success!</strong>
  This alert box could indicate a successful or positive action.
</div>
```

# Alert

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## ❖ .fade .show

- fading 닫기 애니메이션

```
<div class="alert alert-danger alert-dismissible fade show">
```

# Alert

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## ❖ AndroidManifest.xml

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❖ **res/layout/activity\_main.xml**

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## ❖ MainActivity.kt

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# Button

# Button

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## ❖ .btn

- .btn-primary
- .btn-secondary
- .btn-success
- .btn-info
- .btn-warning
- .btn-danger
- .btn-dark
- .btn-light
- .btn-link

# Button

## ❖ .btn

Basic

Primary

Secondary

Success

Info

Warning

Danger

Dark

Light

Link

```
<button type="button" class="btn">Basic</button>
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-dark">Dark</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-link">Link</button>
```

# Button

---

## ❖ <a>, <button>, <input> 요소에 적용

```
<a href="#" class="btn btn-info" role="button">Link Button</a>  
<button type="button" class="btn btn-info">Button</button>  
<input type="button" class="btn btn-info" value="Input Button">  
<input type="submit" class="btn btn-info" value="Submit Button">
```

# Button

## ❖ .btn-outline-\*



```
<button type="button" class="btn btn-outline-primary">Primary</button>
<button type="button" class="btn btn-outline-secondary">Secondary</button>
<button type="button" class="btn btn-outline-success">Success</button>
<button type="button" class="btn btn-outline-info">Info</button>
<button type="button" class="btn btn-outline-warning">Warning</button>
<button type="button" class="btn btn-outline-danger">Danger</button>
<button type="button" class="btn btn-outline-dark">Dark</button>
<button type="button" class="btn btn-outline-light text-dark">Light</button>
```



# Button

---


## ❖ .btn-lg, .btn-sm

- 버튼 크기 지정



```
<button type="button" class="btn btn-primary btn-lg">Large</button>  
<button type="button" class="btn btn-primary">Default</button>  
<button type="button" class="btn btn-primary btn-sm">Small</button>
```

## ❖ .btn-block

A single, wide blue button with white text that reads 'Full-Width Button'.

```
<button type="button" class="btn btn-primary btn-block">  
  Full-Width Button</button>
```

# Button

---

## ❖ . .active/.disabled

Primary Button

Active Primary

Disabled Primary

Disabled Link

```
<button type="button" class="btn btn-primary">Primary Button</button>  
<button type="button" class="btn btn-primary active">  
  Active Primary</button>  
<button type="button" class="btn btn-primary" disabled>  
  Disabled Primary</button>  
<a href="#" class="btn btn-primary disabled">Disabled Link</a>
```

# Button

## ❖ spinner

- .spinner-border
- .spinner-border-sm
- .spinner-grow
- .spinner-grow-sm



```
<button class="btn btn-primary">
  <span class="spinner-border spinner-border-sm"></span>
</button>
<button class="btn btn-primary">
  <span class="spinner-border spinner-border-sm"></span>
  Loading..
</button>
<button class="btn btn-primary" disabled>
  <span class="spinner-border spinner-border-sm"></span>
  Loading..
</button>
<button class="btn btn-primary" disabled>
  <span class="spinner-grow spinner-grow-sm"></span>
  Loading..
</button>
```

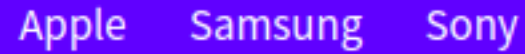
---

# Button Group

# Button Group

---

## ❖ .btn-group



```
<div class="btn-group">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <button type="button" class="btn btn-primary">Sony</button>  
</div>
```

# Button Group

---

## ❖ .btn-group-lg, .btn-group-sm

Large Buttons:

Apple Samsung Sony

Default Buttons:

Apple Samsung Sony

Small Buttons:

Apple Samsung Sony

```
<div class="btn-group btn-group-lg">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <button type="button" class="btn btn-primary">Sony</button>  
</div>
```

```
<div class="btn-group btn-group-sm">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <button type="button" class="btn btn-primary">Sony</button>  
</div>
```

# Button Group

---

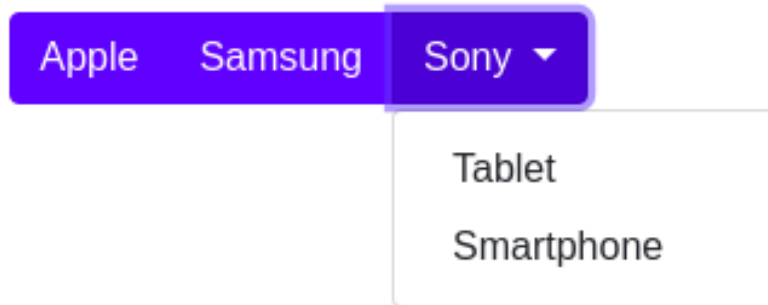
## ❖ .btn-group-vertical



```
<div class="btn-group-vertical">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <button type="button" class="btn btn-primary">Sony</button>  
</div>
```

# Button Group

## ❖ dropdown

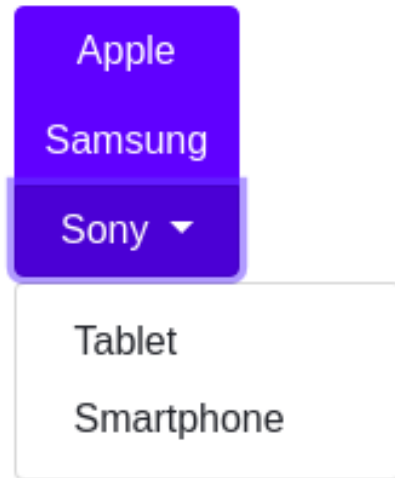


```
<div class="btn-group">
  <button type="button" class="btn btn-primary">Apple</button>
  <button type="button" class="btn btn-primary">Samsung</button>
  <div class="btn-group">
    <button type="button" class="btn btn-primary dropdown-toggle"
      data-toggle="dropdown">Sony</button>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">Tablet</a>
      <a class="dropdown-item" href="#">Smartphone</a>
    </div>
  </div>
</div>
</div>
```



# Button Group

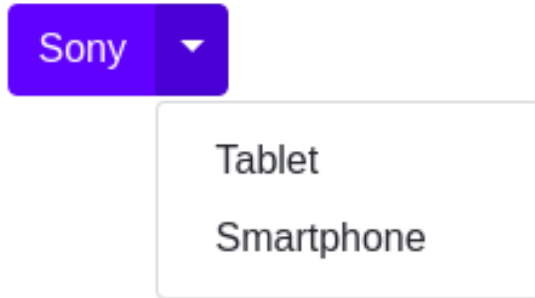
## ❖ vertical dropdown



```
<div class="btn-group-vertical">
  <button type="button" class="btn btn-primary">Apple</button>
  <button type="button" class="btn btn-primary">Samsung</button>
  <div class="btn-group">
    <button type="button" class="btn btn-primary dropdown-toggle"
      data-toggle="dropdown">Sony</button>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">Tablet</a>
      <a class="dropdown-item" href="#">Smartphone</a>
    </div>
  </div>
</div>
```

# Button Group

## ❖ split 버튼



```
<div class="btn-group">
  <button type="button" class="btn btn-primary">Sony</button>
  <button type="button"
    class="btn btn-primary dropdown-toggle dropdown-toggle-split"
    data-toggle="dropdown">
    <span class="caret"></span>
  </button>
  <div class="dropdown-menu">
    <a class="dropdown-item" href="#">Tablet</a>
    <a class="dropdown-item" href="#">Smartphone</a>
  </div>
</div>
```

# Button Group

---

## ❖ Button Groups Side by Side



```
<div class="btn-group">  
  <button type="button" class="btn btn-primary">Apple</button>  
  <button type="button" class="btn btn-primary">Samsung</button>  
  <button type="button" class="btn btn-primary">Sony</button>  
</div>
```

```
<div class="btn-group">  
  <button type="button" class="btn btn-primary">BMW</button>  
  <button type="button" class="btn btn-primary">Mercedes</button>  
  <button type="button" class="btn btn-primary">Volvo</button>  
</div>
```

---

# Badges

# Badges

---

## ❖ .badge

Example heading **New**

```
<h1>  
  Example heading <span class="badge badge-secondary">New</span>  
</h1>
```

# Badges

---

## ❖ .badge-\*

Primary Secondary Success Danger Warning Info Light Dark

```
<span class="badge badge-primary">Primary</span>  
<span class="badge badge-secondary">Secondary</span>  
<span class="badge badge-success">Success</span>  
<span class="badge badge-danger">Danger</span>  
<span class="badge badge-warning">Warning</span>  
<span class="badge badge-info">Info</span>  
<span class="badge badge-light">Light</span>  
<span class="badge badge-dark">Dark</span>
```

# Badges

## ❖ .badge-pill

Primary Secondary Success Danger Warning Info Light Dark

```
<span class="badge badge-pill badge-primary">Primary</span>
<span class="badge badge-pill badge-secondary">Secondary</span>
<span class="badge badge-pill badge-success">Success</span>
<span class="badge badge-pill badge-danger">Danger</span>
<span class="badge badge-pill badge-warning">Warning</span>
<span class="badge badge-pill badge-info">Info</span>
<span class="badge badge-pill badge-light">Light</span>
<span class="badge badge-pill badge-dark">Dark</span>
```

# Badges

---

## ❖ 요소 안의 badge



```
<button type="button" class="btn btn-primary">  
  Messages <span class="badge badge-light">4</span>  
</button>
```



---

# Progress Bar

# Progress Bar

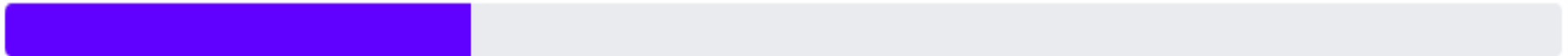
---

## ❖ .progress, .progress-bar



```
<div class="progress">  
  <div class="progress-bar" style="width:70%"></div>  
</div>
```

## ❖ 높이 설정



```
<div class="progress" style="height:20px">  
  <div class="progress-bar" style="width:40%;height:20px"></div>  
</div>
```

# Progress Bar

## ❖ 라벨 설정



```
<div class="progress">
  <div class="progress-bar" style="width:70%">70%</div>
</div>
```

## ❖ 색상 설정 : .bg-\*

```
<!-- Green -->
<div class="progress">
  <div class="progress-bar bg-success" style="width:20%"></div>
</div>
```

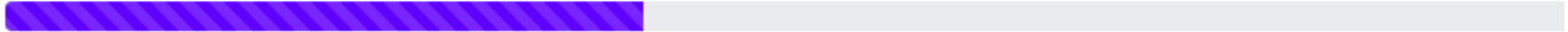
```
<!-- Red -->
<div class="progress">
  <div class="progress-bar bg-danger" style="width:50%"></div>
</div>
```

# Progress Bar

---

## ❖ .progress-bar-striped

- Striped Progress Bars



```
<div class="progress">  
  <div class="progress-bar progress-bar-striped" style="width:40%"></div>  
</div>
```

## ❖ .progress-bar-animated

- Animated Progress Bar

```
<div class="progress-bar progress-bar-striped progress-bar-animated"  
style="width:40%"></div>
```

# Progress Bar

## ❖ Multiple Progress Bars



```
<div class="progress">
  <div class="progress-bar bg-success" style="width:40%">
    Free Space
  </div>
  <div class="progress-bar bg-warning" style="width:10%">
    Warning
  </div>
  <div class="progress-bar bg-danger" style="width:20%">
    Danger
  </div>
</div>
```

---

# Spinners

# Spinners

---

## ❖ .spinner-border



```
<div class="spinner-border text-muted"></div>  
<div class="spinner-border text-primary"></div>  
<div class="spinner-border text-success"></div>  
<div class="spinner-border text-info"></div>  
<div class="spinner-border text-warning"></div>  
<div class="spinner-border text-danger"></div>  
<div class="spinner-border text-secondary"></div>  
<div class="spinner-border text-dark"></div>  
<div class="spinner-border text-light"></div>
```

# Spinners

---

## ❖ .spinner-grow



```
<div class="spinner-grow text-muted"></div>
<div class="spinner-grow text-primary"></div>
<div class="spinner-grow text-success"></div>
<div class="spinner-grow text-info"></div>
<div class="spinner-grow text-warning"></div>
<div class="spinner-grow text-danger"></div>
<div class="spinner-grow text-secondary"></div>
<div class="spinner-grow text-dark"></div>
<div class="spinner-grow text-light"></div>
```



# Spinners

---

## ❖ **.spinner-border-sm, .spinner-grow-sm**



```
<div class="spinner-border"></div>  
<div class="spinner-border spinner-border-sm"></div>  
<div class="spinner-grow spinner-grow-sm"></div>
```

# Spinners

## ❖ 버튼 내에서 사용하기



```
<button class="btn btn-primary">  
  <span class="spinner-border spinner-border-sm"></span>  
</button>
```

```
<button class="btn btn-primary">  
  <span class="spinner-border spinner-border-sm"></span>  
  Loading..  
</button>
```

```
<button class="btn btn-primary" disabled>  
  <span class="spinner-border spinner-border-sm"></span>  
  Loading..  
</button>
```

```
<button class="btn btn-primary" disabled>  
  <span class="spinner-grow spinner-grow-sm"></span>  
  Loading..  
</button>
```

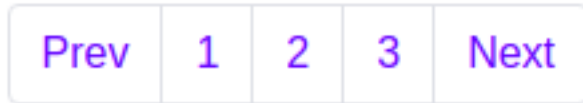
---

# Pagination

# Pagination

---

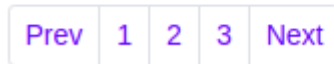
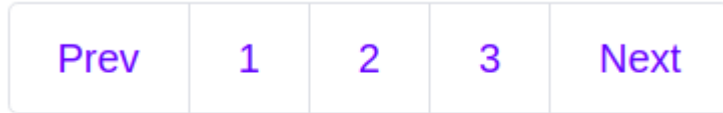
## ❖ .pagination, .page-item, .page-link



```
<ul class="pagination">
  <li class="page-item"><a class="page-link" href="#">Prev</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">3</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>
```

# Pagination

## ❖ .pagination-lg, .pagination-sm



```
<ul class="pagination pagination-lg">
  <li class="page-item"><a class="page-link" href="#">Prev</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">3</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>
```

```
<ul class="pagination pagination-sm">
  <li class="page-item"><a class="page-link" href="#">Prev</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">3</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>
```

# Pagination

---

## ❖ .active

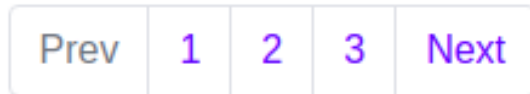


```
<ul class="pagination">
  <li class="page-item"><a class="page-link" href="#">Prev</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item active">
    <a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">3</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>
```

# Pagination

---

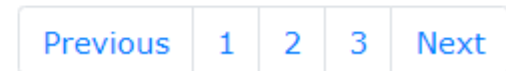
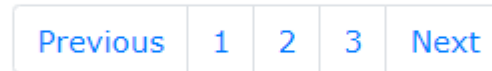
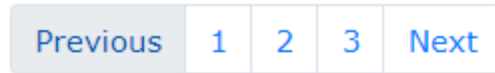
## ❖ .disabled



```
<ul class="pagination">
  <li class="page-item disabled">
    <a class="page-link" href="#">Previous</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">3</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>
```

# Pagination

## ❖ 정렬



```
<!-- Default (left-aligned) -->
<ul class="pagination" style="margin:20px 0">
  <li class="page-item">...</li>
</ul>
```

```
<!-- Center-aligned -->
<ul class="pagination justify-content-center" style="margin:20px 0">
  <li class="page-item">...</li>
</ul>
```

```
<!-- Right-aligned -->
<ul class="pagination justify-content-end" style="margin:20px 0">
  <li class="page-item">...</li>
</ul>
```



# Pagination

---

## ❖ Breadcrumbs

[Photos](#) / [Summer 2017](#) / [Italy](#) / Rome

```
<ul class="breadcrumb">
  <li class="breadcrumb-item"><a href="#">Photos</a></li>
  <li class="breadcrumb-item"><a href="#">Summer 2017</a></li>
  <li class="breadcrumb-item"><a href="#">Italy</a></li>
  <li class="breadcrumb-item active">Rome</li>
</ul>
```

---

# List Group

# List Group

---

## ❖ .list-group, .list-group-item

First item
Second item
Third item

```
<ul class="list-group">
  <li class="list-group-item">First item</li>
  <li class="list-group-item">Second item</li>
  <li class="list-group-item">Third item</li>
</ul>
```

# List Group

---

## ❖ .active

Active item
Second item
Third item

```
<ul class="list-group">  
  <li class="list-group-item active">Active item</li>  
  <li class="list-group-item">Second item</li>  
  <li class="list-group-item">Third item</li>  
</ul>
```

# List Group

---

## ❖ .list-group-item-action: 링크 아이템

First item
Second item
Third item

```
<div class="list-group">
  <a href="#" class="list-group-item list-group-item-action">
    First item</a>
  <a href="#" class="list-group-item list-group-item-action">
    Second item</a>
  <a href="#" class="list-group-item list-group-item-action">
    Third item</a>
</div>
```

# List Group

---

## ❖ .disabled

Disabled item
Disabled item
Third item

```
<div class="list-group">  
  <a href="#" class="list-group-item disabled">Disabled item</a>  
  <a href="#" class="list-group-item disabled">Disabled item</a>  
  <a href="#" class="list-group-item">Third item</a>  
</div>
```

# List Group

---

## ❖ .list-group-flush

First item

---

Second item

---

Third item

---

Fourth item

```
<ul class="list-group list-group-flush">
  <li class="list-group-item">First item</li>
  <li class="list-group-item">Second item</li>
  <li class="list-group-item">Third item</li>
  <li class="list-group-item">Fourth item</li>
</ul>
```

# List Group

---

## ❖ .list-group-horizontal

First item	Second item	Third item	Fourth item
------------	-------------	------------	-------------

```
<ul class="list-group list-group-horizontal">  
  <li class="list-group-item">First item</li>  
  <li class="list-group-item">Second item</li>  
  <li class="list-group-item">Third item</li>  
  <li class="list-group-item">Fourth item</li>  
</ul>
```



# List Group

## ❖ List Group with Badges

Inbox	12
Ads	50
Junk	99

```
<ul class="list-group">
  <li class="list-group-item d-flex justify-content-between align-items-center">Inbox
    <span class="badge badge-primary badge-pill">12</span>
  </li>
  <li class="list-group-item d-flex justify-content-between align-items-center">Ads
    <span class="badge badge-primary badge-pill">50</span>
  </li>
  <li class="list-group-item d-flex justify-content-between align-items-center">Junk
    <span class="badge badge-primary badge-pill">99</span>
  </li>
</ul>
```