

12.元件Component

2019年1月8日 下午 02:10

以下原始碼請參考官方網站

<https://getbootstrap.com/docs/4.1/components/alerts/>

1. Alert

primary, secondary, success, danger, warning, info, light, dark, white

```
<div class="demo">
  <div class="alert alert-primary" role="alert">
    This is a primary alert-check it out!
  </div>
  <div class="alert alert-secondary" role="alert">
    This is a secondary alert-check it out!
  </div>
  <div class="alert alert-success" role="alert">
    This is a success alert-check it out!
  </div>
  <div class="alert alert-danger" role="alert">
    This is a danger alert-check it out!
  </div>
  <div class="alert alert-warning" role="alert">
    This is a warning alert-check it out!
  </div>
  <div class="alert alert-info" role="alert">
    This is a info alert-check it out!
  </div>
  <div class="alert alert-light" role="alert">
    This is a light alert-check it out!
  </div>
  <div class="alert alert-dark" role="alert">
    This is a dark alert-check it out!
  </div>
</div>
```



alert-link

```
<div class="demo">
  <div class="alert alert-primary" role="alert">
    This is a primary alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.
  </div>
  <div class="alert alert-secondary" role="alert">
    This is a secondary alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like
  </div>
  <div class="alert alert-success" role="alert">
    This is a success alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.
  </div>
  <div class="alert alert-danger" role="alert">
    This is a danger alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.
  </div>
  <div class="alert alert-warning" role="alert">
    This is a warning alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.
  </div>
  <div class="alert alert-info" role="alert">
    This is a info alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.
  </div>
</div>
```



2. Badge

```
<div class="demo">
  <button class="btn btn-primary">
    Notifications <span class="badge badge-light">4</span>
  </button>
</div>
```



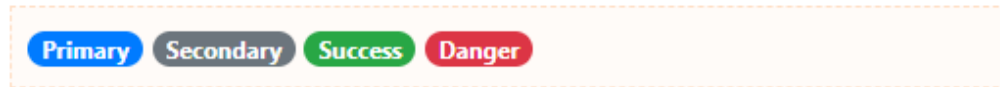
加入以下的色彩 Class 來修改標籤的外觀 (primary, secondary, success, danger, warning, info, light, dark)

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



使用 .badge-pill 可以使標籤更圓潤

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

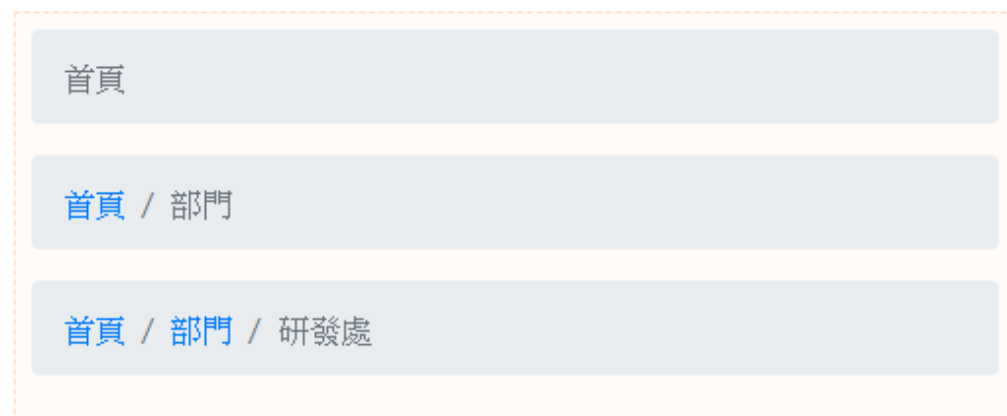


以<a>功能呈現會有 hover 和 focus 狀態顏色變化

```
<div class="demo">
  <a href="#" class="badge badge-primary">Primary</a>
  <a href="#" class="badge badge-secondary">Secondary</a>
  <a href="#" class="badge badge-success">Success</a>
</div>
```

3. breadcrumb(麵包屑)

```
<div class="demo">
  <ol class="breadcrumb">
    <li class="breadcrumb-item active">首頁</li>
  </ol>
  <ol class="breadcrumb">
    <li class="breadcrumb-item"><a href="#">首頁</a></li>
    <li class="breadcrumb-item active">部門</li>
  </ol>
  <ol class="breadcrumb">
    <li class="breadcrumb-item"><a href="#">首頁</a></li>
    <li class="breadcrumb-item"><a href="#">部門</a></li>
    <li class="breadcrumb-item active">研發處</li>
  </ol>
</div>
```



觀察css變化


```

<li class="breadcrumb-item">...</li>
<li class="breadcrumb-item active"> == $0
  ::before
  "部門"
</li>
</ol>

```

使用li也可以實作breadcrumb

```

<div class="demo">
  <nav class="breadcrumb">
    <a class="breadcrumb-item" href="#">首頁</a>
    <a class="breadcrumb-item" href="#">部門</a>
    <a class="breadcrumb-item" href="#">研發處</a>
    <a class="breadcrumb-item active">人員介紹</a>
  </nav>
</div>

```

首頁 / 部門 / 研發處 / 人員介紹

4. Button

```

<div class="demo">
  <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-danger">Danger</button>
  <button type="button" class="btn btn-warning">Warning</button>
  <button type="button" class="btn btn-info">Info</button>
  <button type="button" class="btn btn-light">Light</button>
  <button type="button" class="btn btn-dark">Dark</button>
  <button type="button" class="btn btn-link">Link</button>
</div>

```

Primary Secondary Success Danger Warning Info Light Dark Link

運用在不同的格式

```

<div class="demo">
  <a class="btn btn-primary" href="#" role="button">Link</a>
  <button class="btn btn-primary" type="submit">Button</button>
  <input type="button" class="btn btn-primary" value="Input">
  <input type="submit" class="btn btn-primary" value="Submit">
  <input type="reset" class="btn btn-primary" value="Reset">
</div>

```

Link Button Input Submit Reset

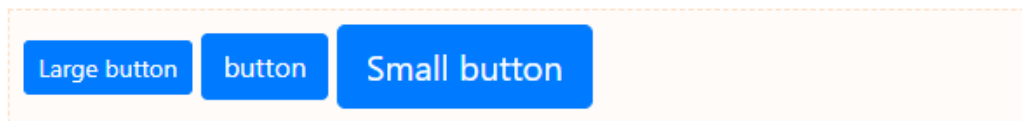
外框按鈕 (btn-outline-color)

```
<div class="demo">
  <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-danger">Danger</button>
  <button type="button" class="btn btn-outline-warning">Warning</button>
  <button type="button" class="btn btn-outline-info">Info</button>
  <button type="button" class="btn btn-outline-light">Light</button>
  <button type="button" class="btn btn-outline-dark">Dark</button>
</div>
```



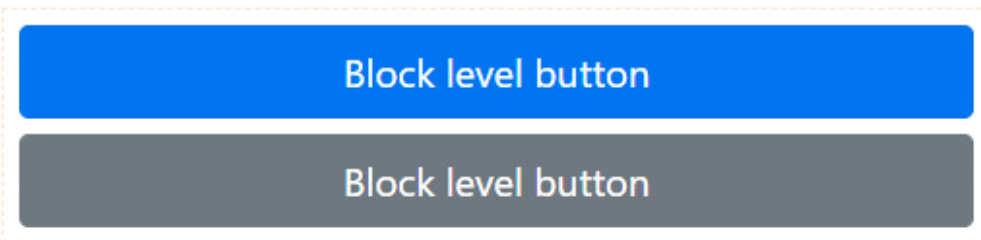
不同尺寸 (sm, lg)

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



btn-block

```
<div class="demo">
  <button type="button" class="btn btn-primary btn-lg btn-block">Block level button</button>
  <button type="button" class="btn btn-secondary btn-lg btn-block">Block level button</button>
</div>
```



Active(觀察顏色變化)

```
<div class="demo">
  <a href="#" class="btn btn-primary active" role="button" aria-pressed="true">Primary link</a>
  <a href="#" class="btn btn-secondary active" role="button" aria-pressed="true">Link</a>
</div>
```



disabled(擺放位置不一樣)

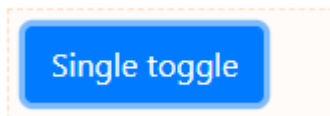
```
<div class="demo">
  <button type="button" class="btn btn-lg btn-primary" disabled>Primary button</button>
  <button type="button" class="btn btn-secondary btn-lg" disabled>Button</button>

  <a href="#" class="btn btn-primary btn-lg disabled" role="button" aria-disabled="true">Primary link</a>
  <a href="#" class="btn btn-secondary btn-lg disabled" role="button" aria-disabled="true">Link</a>
</div>
```



data-toggle="button" 用來切換狀態

```
<div class="demo">
  <button type="button" class="btn btn-outline-primary" data-toggle="button" aria-pressed="false" autocomplete="off">
    Single toggle
  </button>
</div>
```



點擊後的變化



checkbox

btn-group-toggle 隱藏內部的 input

```
<div class="demo">
  <div class="btn-group btn-group-toggle">
    <label class="btn btn-secondary active">
      <input type="checkbox" checked="" autocomplete="off"> Checkbox 1 (pre-checked)
    </label>
    <label class="btn btn-secondary">
      <input type="checkbox" autocomplete="off"> Checkbox 2
    </label>
    <label class="btn btn-secondary">
      <input type="checkbox" autocomplete="off"> Checkbox 3
    </label>
  </div>
</div>
```

class="btn-group"

```
<div class="demo">
  <div class="btn-group" role="group" aria-label="Basic example">
    <button type="button" class="btn btn-secondary">Left</button>
    <button type="button" class="btn btn-secondary">Middle</button>
    <button type="button" class="btn btn-secondary">Right</button>
  </div>
</div>
```

Left Middle Right

5. Card

card-img-top card-body card-title card-subtitle card-text

```
<div class="demo">
  <div class="card" style="width: 20rem;">
    
    <div class="card-body">
      <h4 class="card-title">Card title</h4>
      <h6 class="card-subtitle mb-2 text-muted">Card subtitle</h6>
      <p class="card-text">Some quick example text to build on the card title and make up the b
      <a href="#" class="btn btn-primary">Go somewhere</a>
    </div>
  </div>
</div>
```



Card title

Card subtitle

Some quick example text to build on the card title and make up the bulk of the card's content.

Go somewhere

3欄式排版

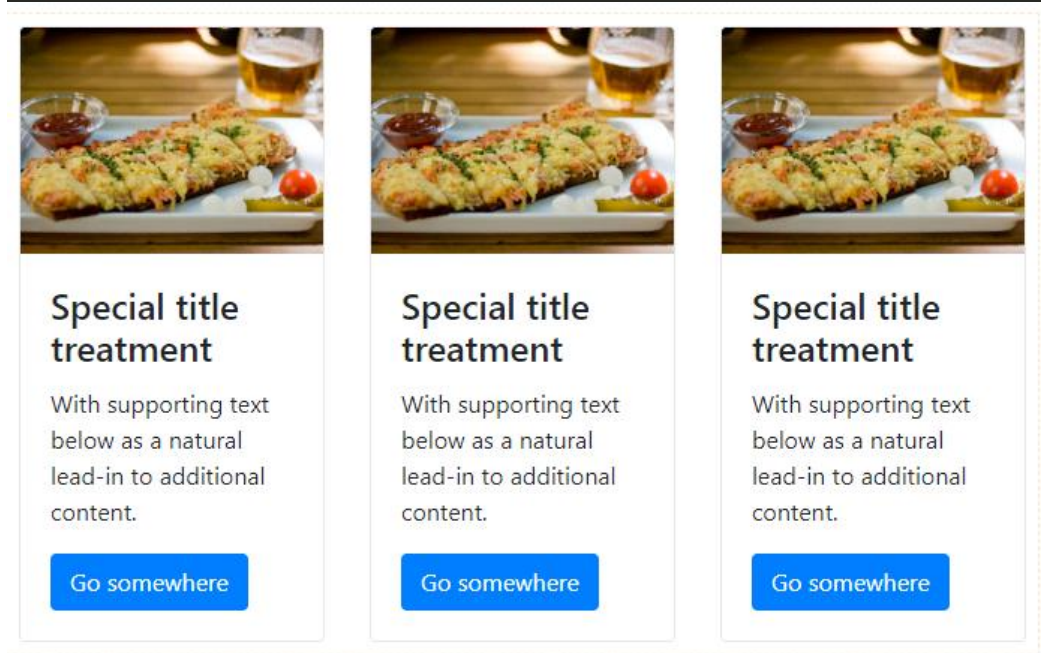
```
<div class="demo">
  <div class="row">
    <div class="col-sm-4">
      <div class="card">
        
        <div class="card-body">
          <h4 class="card-title">Special title treatment</h4>
          <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>
          <a href="#" class="btn btn-primary">Go somewhere</a>
        </div>
      </div>
    </div>
    <div class="col-sm-4"> ...
  </div>
  <div class="col-sm-4"> ...
</div>
```



```

<div class="demo">
  <div class="row">
    <div class="col-sm-4">
      <div class="card">
        
        <div class="card-body">
          <h4 class="card-title">Special title treatment</h4>
          <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>
          <a href="#" class="btn btn-primary">Go somewhere</a>
        </div>
      </div>
    </div>
    <div class="col-sm-4">...
  </div>
  <div class="col-sm-4">...
  </div>
</div>
</div>

```

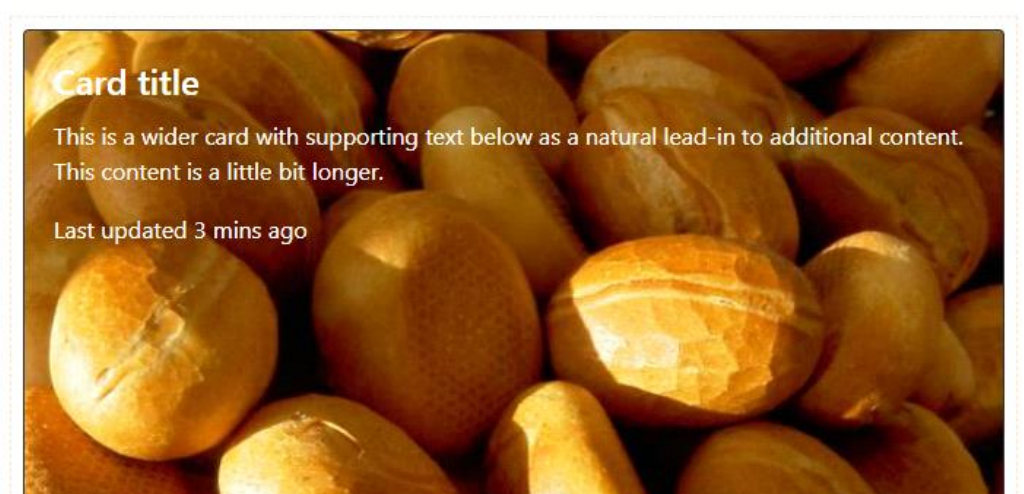


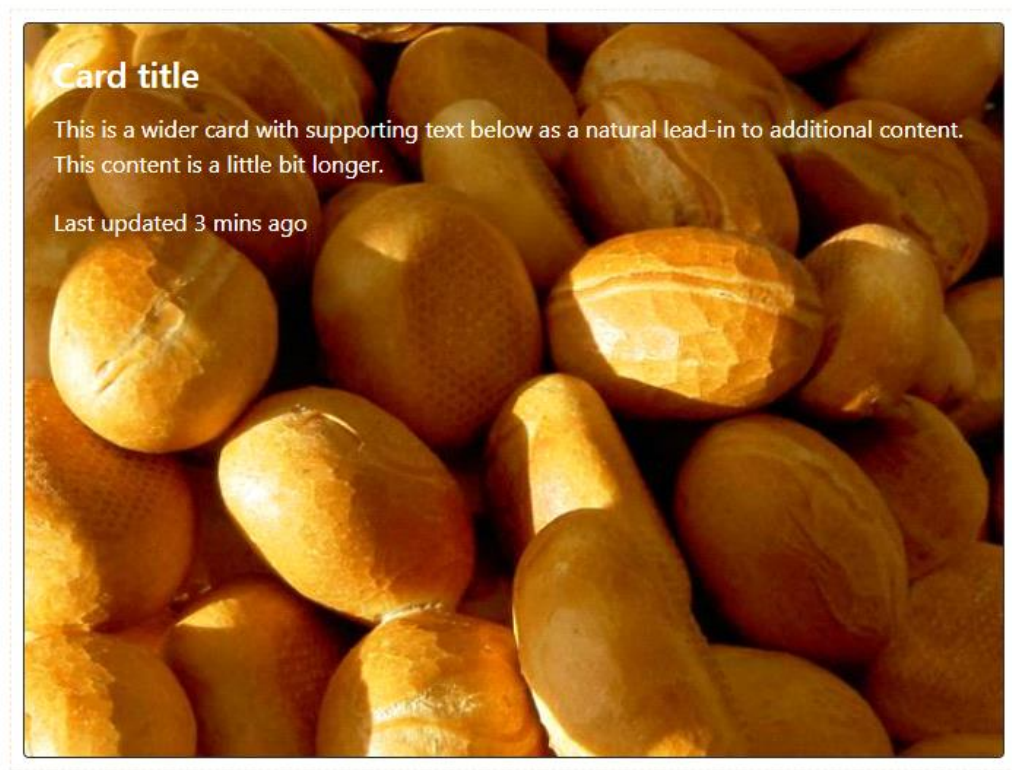
圖像覆蓋 card-img

```

<div class="demo">
  <div class="card bg-dark text-white">
    
    <div class="card-img-overlay">
      <h4 class="card-title">Card title</h4>
      <p class="card-text">This is a wider card with supporting text below as a natural lead-in
      <p class="card-text">Last updated 3 mins ago</p>
    </div>
  </div>
</div>
</div>

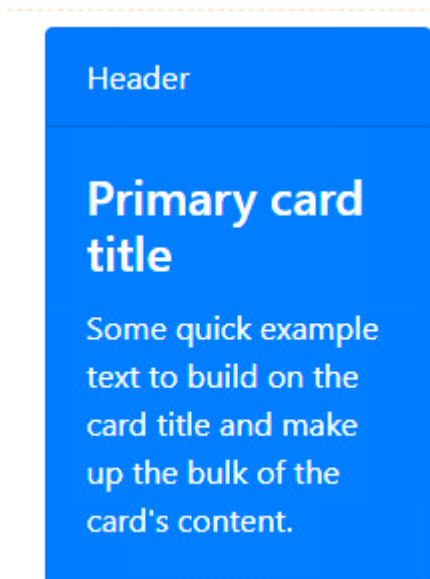
```





修改色彩 (primary, secondary, success, danger, warning, info, light, dark)

```
<div class="card text-white bg-primary mb-3" style="max-width: 20rem;">
  <div class="card-header">Header</div>
  <div class="card-body">
    <h4 class="card-title">Primary card title</h4>
    <p class="card-text">Some quick example text to build on the card title and</p>
  </div>
</div>
```

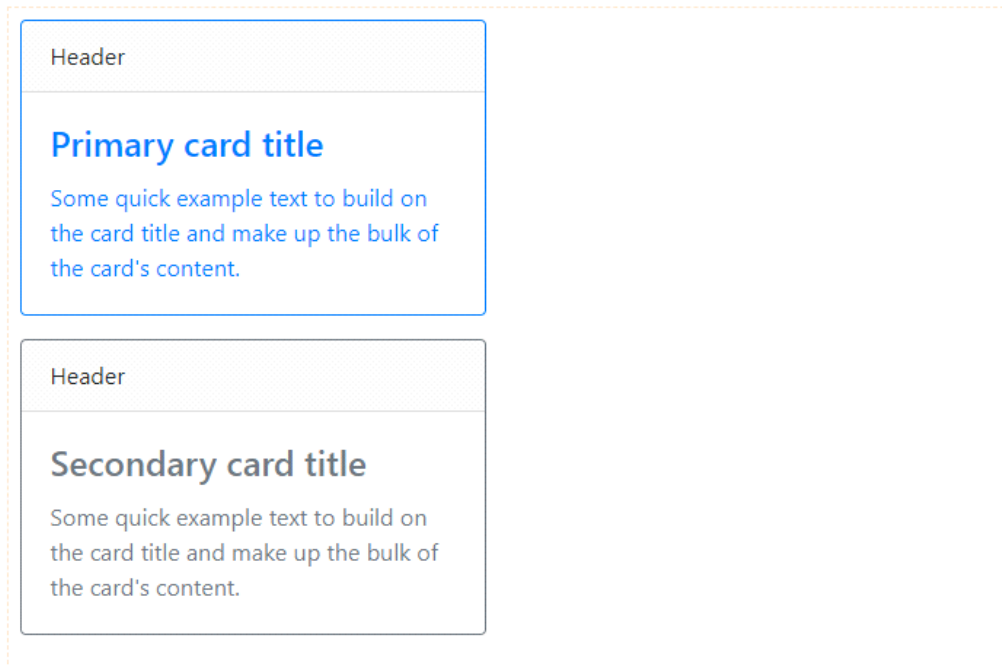


修改外框線色彩 (primary, secondary, success, danger, warning, info, light, dark)

```

<div class="demo">
  <div class="card border-primary mb-3" style="max-width: 20rem;">
    <div class="card-header">Header</div>
    <div class="card-body text-primary">
      <h4 class="card-title">Primary card title</h4>
      <p class="card-text">Some quick example text to build on the card title and make up
    </div>
  </div>
  <div class="card border-secondary mb-3" style="max-width: 20rem;">
    <div class="card-header">Header</div>
    <div class="card-body text-secondary">
      <h4 class="card-title">Secondary card title</h4>
      <p class="card-text">Some quick example text to build on the card title and make up
    </div>
  </div>
</div>

```



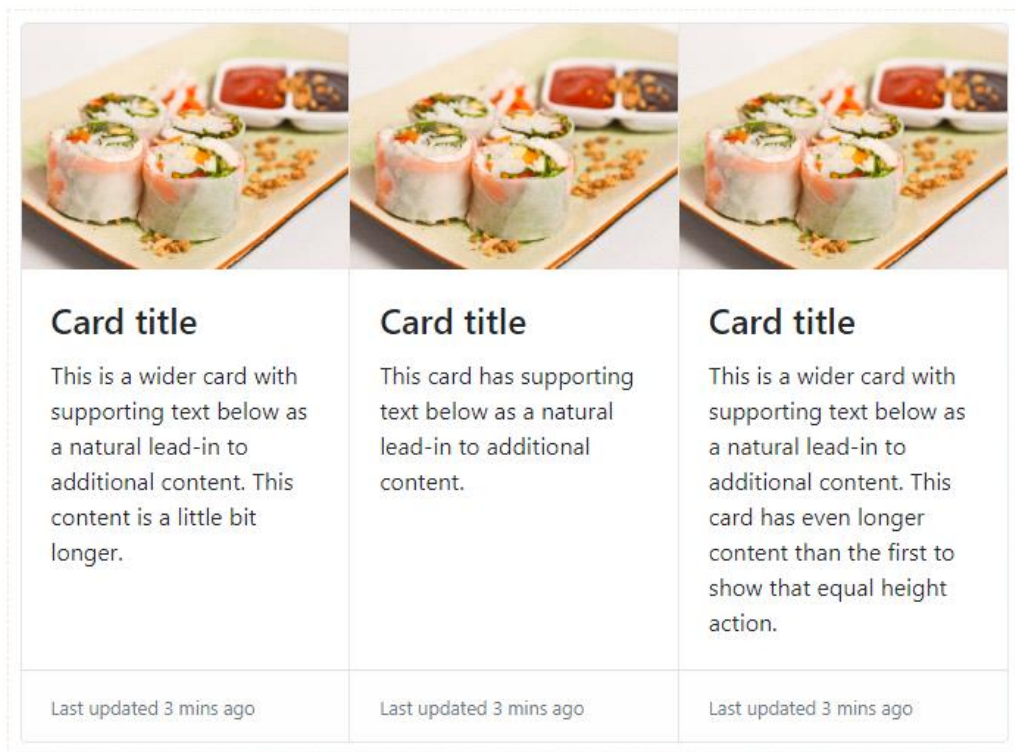
卡片群組

class="card-group"

```

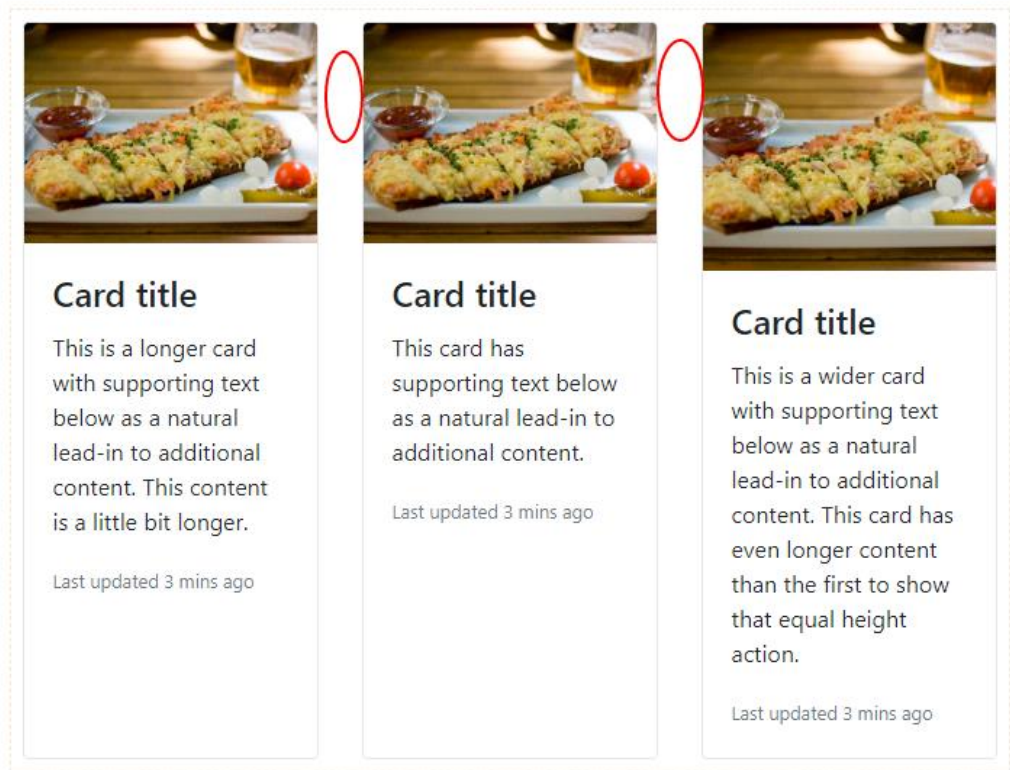
<div class="demo">
  <div class="card-group">
    <div class="card">
      
      <div class="card-body">
        <h4 class="card-title">Card title</h4>
        <p class="card-text">This is a wider card with supporting text below as a natural lead-
      </div>
      <div class="card-footer">
        <small class="text-muted">Last updated 3 mins ago</small>
      </div>
    </div>
    <div class="card"> ...
  </div>
  <div class="card"> ...
</div>

```

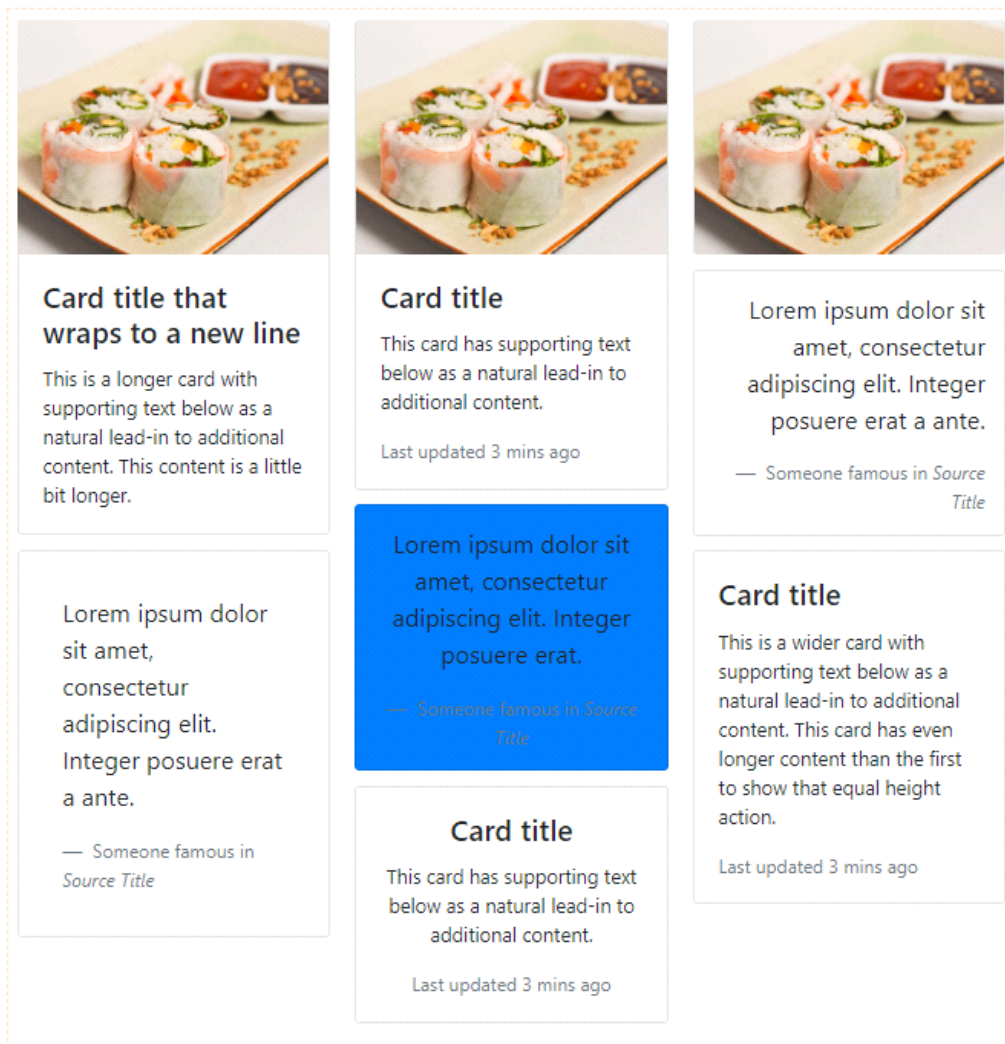
class="card-deck"

```
<div class="demo">
  <div class="card-deck">
    <div class="card">
      
      <div class="card-body">
        <h4 class="card-title">Card title</h4>
        <p class="card-text">This is a longer card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>
        <p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>
      </div>
    </div>
    <div class="card">...
  </div>
  <div class="card">...
</div>
```

卡片欄(由上而下瀑布流) class="card-columns"
產生多個card測試其功能

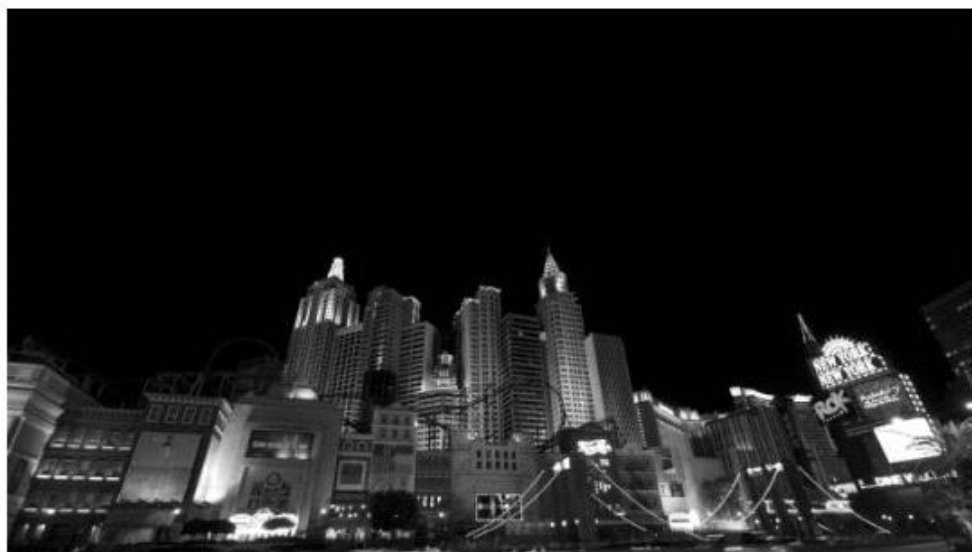
```
<div class="demo">
  <div class="card-columns">
    <div class="card">
      
      <div class="card-body">
        <h4 class="card-title">Card title that wraps to a new line</h4>
        <p class="card-text">This is a longer card with supporting text below as a natural lead-in to
      </div>
    </div>
    <div class="card p-3">...
    </div>
    <div class="card">...
    </div>
    <div class="card bg-primary p-3 text-center">...
    </div>
    <div class="card text-center">
      <div class="card-body">...
    </div>
    <div class="card">...
    </div>
    <div class="card p-3 text-right">...
    </div>
    <div class="card">...
    </div>
  </div>
</div>
```



6. Carousel

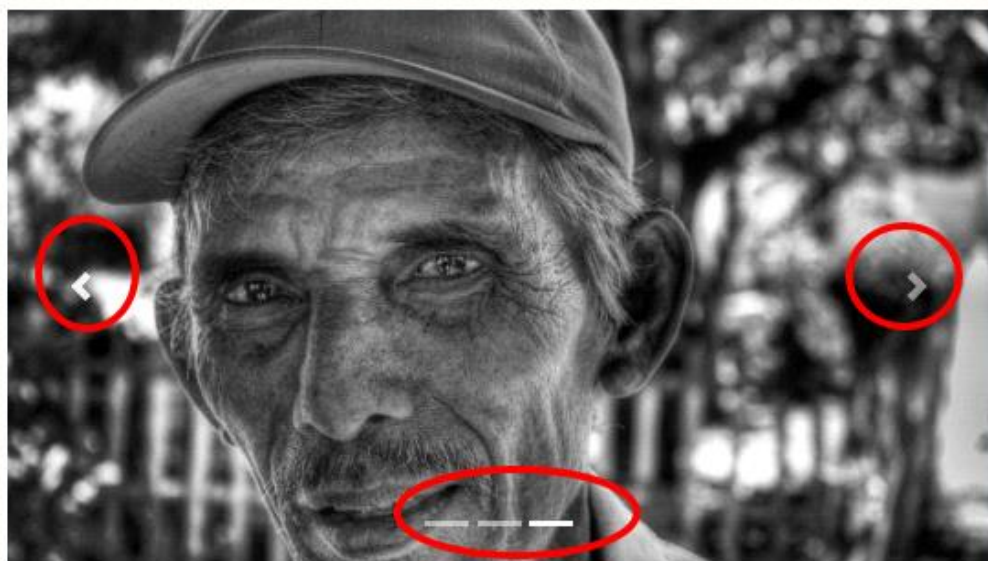
基本的carousel 沒有左右按鈕

```
<div class="demo">
  <div id="carouselExampleSlidesOnly" class="carousel slide" data-ride="carousel">
    <div class="carousel-inner">
      <div class="carousel-item active">
        
      </div>
      <div class="carousel-item">
        
      </div>
      <div class="carousel-item">
        
      </div>
    </div>
  </div>
</div>
```



加上左右兩側按鈕(id 名稱需一致)

```
<div class="demo">
  <div id="carouselExampleSlides2" class="carousel slide" data-ride="carousel">
    <ol class="carousel-indicators">
      <li data-target="#carouselExampleSlides2" data-slide-to="0" class="active"></li>
      <li data-target="#carouselExampleSlides2" data-slide-to="1"></li>
      <li data-target="#carouselExampleSlides2" data-slide-to="2"></li>
    </ol>
    <div class="carousel-inner">
      <div class="carousel-item active">
        
      </div>
      <div class="carousel-item">
        
      </div>
      <div class="carousel-item">
        
      </div>
    </div>
    <a class="carousel-control-prev" href="#carouselExampleSlides2" role="button" data-slide="prev">
      <span class="carousel-control-prev-icon" aria-hidden="true"></span>
      <span class="sr-only">Previous</span>
    </a>
    <a class="carousel-control-next" href="#carouselExampleSlides2" role="button" data-slide="next">
      <span class="carousel-control-next-icon" aria-hidden="true"></span>
      <span class="sr-only">Next</span>
    </a>
  </div>
</div>
```



加入字幕

```
<div class="demo">
  <div id="carouselExampleSlides2" class="carousel slide" data-ride="carousel">
    <ol class="carousel-indicators">
      <li data-target="#carouselExampleSlides2" data-slide-to="0" class="active"></li>
      <li data-target="#carouselExampleSlides2" data-slide-to="1"></li>
      <li data-target="#carouselExampleSlides2" data-slide-to="2"></li>
    </ol>
    <div class="carousel-inner">
      <div class="carousel-item active">
        
        <div class="carousel-caption d-none d-md-block">
          <h3>Lorem ipsum do earum doloremque quo sint atque harum suscipit qui molestiaquam.</h3>
          <p>Lorem ipsum do earum doloremque quo si</p>
        </div>
      </div>
      <div class="carousel-item">...
    </div>
    <div class="carousel-item">...
    </div>
  </div>
  <a class="carousel-control-prev" href="#carouselExampleSlides2" role="button" data-slide="prev">
    <span class="carousel-control-prev-icon" aria-hidden="true"></span>
    <span class="sr-only">Previous</span>
  </a>
  <a class="carousel-control-next" href="#carouselExampleSlides2" role="button" data-slide="next">
    <span class="carousel-control-next-icon" aria-hidden="true"></span>
    <span class="sr-only">Next</span>
  </a>
</div>
</div>
```



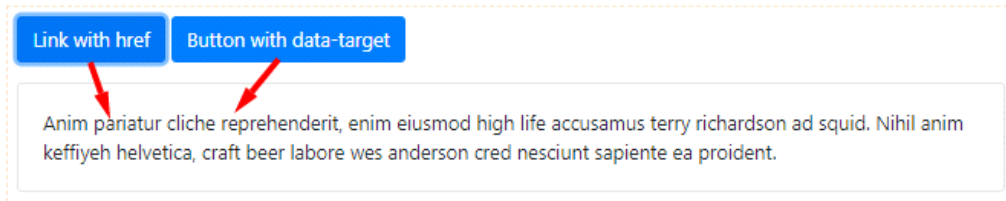
7. collapse

.collapse 隱藏物件

.collapsing 套用轉換中的動態效果

.collapse.show 顯示內容

```
<div class="demo">
  <p>
    <a class="btn btn-primary" data-toggle="collapse" href="#collapseExample" aria-expanded="false" aria-controls="collapseExample">
      Link with href
    </a>
    <button class="btn btn-primary" type="button" data-toggle="collapse" data-target="#collapseExample" aria-expanded="false" aria-controls="collapseExample">
      Button with data-target
    </button>
  </p>
  <div class="collapse" id="collapseExample">
    <div class="card card-body">
      Anim pariatur cliche reprehenderit, enim eiusmod high life accusamus terry richardson ad squid. Nihil anim keffiyeh helvetica, cr
    </div>
  </div>
</div>
```

口風琴折疊

```
<div class="demo">
  <div id="accordion" role="tablist">
    <div class="card">
      <div class="card-header" role="tab" id="headingOne">
        <h5 class="my-0">
          <a data-toggle="collapse" href="#collapseOne" aria-expanded="true" aria-controls="collapseOne">
            Collapsible Group Item #1
          </a>
        </h5>
      </div>
      <div id="collapseOne" class="collapse show" role="tabpanel" aria-labelledby="headingOne" data-parent="#accordion">
        <div class="card-body">
          Anim pariatur cliche reprehenderit, enim eiusmod high life accusamus terry richardson ad squid. 3 wolf moon of
        </div>
      </div>
    </div>
    <div class="card">...
  </div>
  <div class="card">...
  </div>
</div>
```

[Collapsible Group Item #1](#)

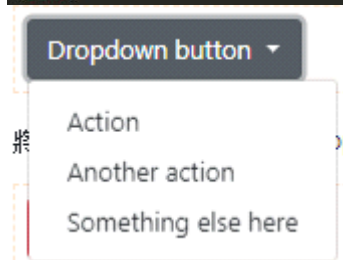
[Collapsible Group Item #2](#)

Anim pariatur cliche reprehenderit, enim eiusmod high life accusamus terry richardson ad squid. 3 wolf moon officia aute, non cupidatat skateboard dolor brunch. Food truck quinoa nesciunt laborum eiusmod. Brunch 3 wolf moon tempor, sunt aliqua put a bird on it squid single-origin coffee nulla assumenda shoreditch et. Nihil anim keffiyeh helvetica, craft beer labore wes anderson cred nesciunt sapiente ea proident. Ad vegan excepteur butcher vice lomo. Leggings occaecat craft beer farm-to-table, raw denim aesthetic synth nesciunt you probably haven't heard of them accusamus labore sustainable VHS.

[Collapsible Group Item #3](#)

8. data-toggle="dropdown"

```
<div class="demo">
  <div class="dropdown">
    <button class="btn btn-secondary dropdown-toggle" type="button"
      id="dropdownMenuButton" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
      Dropdown button
    </button>
    <div class="dropdown-menu" aria-labelledby="dropdownMenuButton">
      <a class="dropdown-item" href="#">Action</a>
      <a class="dropdown-item" href="#">Another action</a>
      <a class="dropdown-item" href="#">Something else here</a>
    </div>
  </div>
</div>
```



9. form

```
<div class="form-group">
  <label for="exampleInputEmail1">Email address</label>
  <input type="email" class="form-control" id="exampleInputEmail1"
    aria-describedby="emailHelp" placeholder="Enter email">
  <small id="emailHelp" class="form-text text-muted">We'll never share your email with anyone else.</small>
</div>
```

Email address

We'll never share your email with anyone else.

```
<div class="form-group">
  <label for="exampleInputPassword1">Password</label>
  <input type="password" class="form-control" id="exampleInputPassword1" placeholder="Password">
</div>
<div class="form-check">
  <input type="checkbox" class="form-check-input" id="exampleCheck1">
  <label class="form-check-label" for="exampleCheck1">Check me out</label>
</div>
<div class="form-group">
  <label for="exampleFormControlInput1">Email address</label>
  <input type="email" class="form-control" id="exampleFormControlInput1" placeholder="name@example.com">
</div>
```

Password

☒ Check me out

Email address

```
<div class="form-group">
  <label for="exampleFormControlSelect1">Example select</label>
  <select class="form-control" id="exampleFormControlSelect1">
    <option>1</option>
    <option>2</option>
    <option>3</option>
    <option>4</option>
    <option>5</option>
  </select>
</div>
<div class="form-group">
  <label for="exampleFormControlSelect2">Example multiple select</label>
  <select multiple class="form-control" id="exampleFormControlSelect2">
    <option>1</option>
    <option>2</option>
    <option>3</option>
    <option>4</option>
    <option>5</option>
  </select>
</div>
<div class="form-group">
  <label for="exampleFormControlTextarea1">Example textarea</label>
  <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea>
</div>
```

Example select

Example multiple select

Example textarea

不同尺寸 (sm, lg)

```
<div class="demo">  
  <input class="form-control form-control-sm" type="text" placeholder=".form-control-lg">  
  <input class="form-control" type="text" placeholder="Default input">  
  <input class="form-control form-control-lg" type="text" placeholder=".form-control-sm">  
  
  <select class="form-control form-control-sm">  
    <option>Large select</option>  
  </select>  
  <select class="form-control">  
    <option>Default select</option>  
  </select>  
  <select class="form-control form-control-lg">  
    <option>Small select</option>  
  </select>  
</div>
```

僅能閱讀 readonly

```
<div class="demo">  
  <input class="form-control" type="text" placeholder="Readonly input here..." readonly>  
</div>
```

checkbox

```

<div class="demo">
  <div class="form-check">
    <input class="form-check-input" type="checkbox" value="" id="defaultCheck1">
    <label class="form-check-label" for="defaultCheck1">
      Default checkbox
    </label>
  </div>
  <div class="form-check">
    <input class="form-check-input" type="checkbox" value="" id="defaultCheck2" disabled>
    <label class="form-check-label" for="defaultCheck2">
      Disabled checkbox
    </label>
  </div>
</div>

```

- ☐ Default checkbox
- ☐ Disabled checkbox

使用row排版

First name

Last name

Email

Password

Email

Password

Address

1234 Main St

Address 2

Apartment, studio, or floor

City

State

Zip

☐ Check me out

Sign in


```

<div class="demo">
  <form>
    <div class="row">
      <div class="col">
        <input type="text" class="form-control" placeholder="First name">
      </div>
      <div class="col">
        <input type="text" class="form-control" placeholder="Last name">
      </div>
    </div>
  </form>

  <form>
    <div class="form-row">
      <div class="form-group col-md-6">...
    </div>
      <div class="form-group col-md-6">...
    </div>
    </div>
    <div class="form-group">...
  </div>
  <div class="form-group">...
  </div>
  <div class="form-row">...
  </div>
  <div class="form-group">...
  </div>
  <button type="submit" class="btn btn-primary">Sign in</button>
</form>
</div>

```

```

<div class="demo">
  <form>
    <div class="row">...
  </div>
</form>

<form>
  <div class="form-row">
    <div class="form-group col-md-6">...
    </div>
    <div class="form-group col-md-6">...
    </div>
  </div>
  <div class="form-group">...
  </div>
  <div class="form-group">...
  </div>
  <div class="form-row">...
  </div>
  <div class="form-group">...
  </div>
  <button type="submit" class="btn btn-primary">Sign in</button>
</form>
</div>

```

排版

```

<div class="demo">
  <form>
    <div class="row">
      <div class="col-md-6 mb-3">...
    </div>
    <div class="col-md-6 mb-3">...
    </div>
    <div class="row">
      <div class="col-md-6 mb-3">...
    </div>
      <div class="col-md-3 mb-3">...
    </div>
      <div class="col-md-3 mb-3">...
    </div>
    </div>

    <button class="btn btn-primary" type="submit">Submit form</button>
  </form>
</div>

```

放入元素

```

<div class="row">
  <div class="col-md-6 mb-3">
    <label for="validationServer01">First name</label>
    <input type="text" class="form-control is-valid" id="validationServer01" placeholder="First name" value="Mark" required>
  </div>
  <div class="col-md-6 mb-3">
    <label for="validationServer02">Last name</label>
    <input type="text" class="form-control is-valid" id="validationServer02" placeholder="Last name" value="Otto" required>
  </div>
</div>

```

驗證後的警告訊息 invalid-feedback

```

<div class="row">
  <div class="col-md-6 mb-3">
    <label for="validationServer03">City</label>
    <input type="text" class="form-control is-invalid" id="validationServer03" placeholder="City" required>
    <div class="invalid-feedback">
      Please provide a valid city.
    </div>
  </div>
  <div class="col-md-3 mb-3">
    <label for="validationServer04">State</label>
    <input type="text" class="form-control is-invalid" id="validationServer04" placeholder="State" required>
    <div class="invalid-feedback">
      Please provide a valid state.
    </div>
  </div>
  <div class="col-md-3 mb-3">
    <label for="validationServer05">Zip</label>
    <input type="text" class="form-control is-invalid" id="validationServer05" placeholder="Zip" required>
    <div class="invalid-feedback">
      Please provide a valid zip.
    </div>
  </div>
</div>

```

First name

Last name

City

Please provide a valid city.

State

Zip

Please provide a valid state.

Please provide a valid zip.

Submit form

可以搭配官網所提供的程式來產生驗證功能，其中每個input都必須加上required 已表示需要驗證，form必須加上一個id(id="needs-validation")與script產生對應和novalidate 已表示未驗證過。

```
<form action="" id="needs-validation" novalidate>
  <div class="row">
    <div class="col-md-6">
      <label for="firstname">名字</label>
      <input type="text" id="firstname" name="firstname" class="form-control" placeholder="請輸入名字" required>
      <div class="invalid-feedback">
        請輸入名字
      </div>
    </div>
    <div class="col-md-6">
      <label for="lastname">姓氏</label>
      <input type="text" id="lastname" name="lastname" class="form-control" placeholder="請輸入姓氏" required>
      <div class="invalid-feedback">
        請輸入姓氏
      </div>
    </div>
  </div>
  <div class="row">
    <button class="btn btn-primary" type="submit">Submit form</button>
  </div>
</form>
```

```
<script>
(function() {
  "use strict";
  window.addEventListener("load", function() {
    var form = document.getElementById("needs-validation");
    form.addEventListener("submit", function(event) {
      if (form.checkValidity() == false) {
        event.preventDefault();
        event.stopPropagation();
      }
      form.classList.add("was-validated");
    }, false);
  }, false);
})();
</script>
```

名字	John	✓	姓氏	Lee	✓
城市	Taipei	✓	區	請輸入區?	✗
			里(村)	請輸入里(村)?	✗
			請輸入區	請輸入里(村)	
<button>Submit form</button>					

10. Modal

modal主架構可分為modal-header、modal-body、modal-footer

```
<div class="demo">
  <button type="button" class="btn btn-primary" data-toggle="modal" data-target="#exampleModal">
    Launch demo modal
  </button>

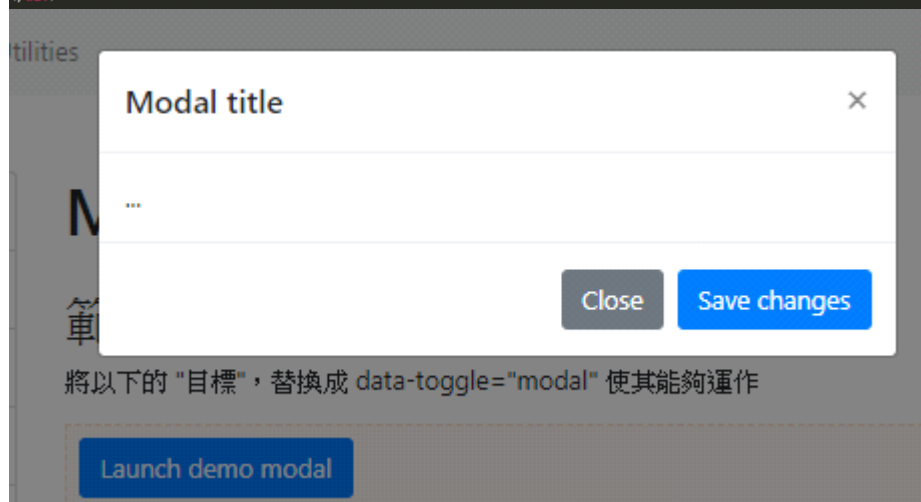
  <!-- Modal -->
  <div class="modal fade" id="exampleModal" tabindex="-1" role="dialog" aria-labelledby="exampleModalLabel" aria-hidden="true">
```

```

<div class="demo">
  <button type="button" class="btn btn-primary" data-toggle="modal" data-target="#exampleModal">
    Launch demo modal
  </button>

  <!-- Modal -->
  <div class="modal fade" id="exampleModal" tabindex="-1" role="dialog" aria-labelledby="exampleModallabel" aria-hidden="true">
    <div class="modal-dialog">
      <div class="modal-content">
        <div class="modal-header">
          <h5 class="modal-title" id="exampleModallabel">Modal title</h5>
          <button type="button" class="close" data-dismiss="modal" aria-label="Close">
            <span aria-hidden="true">&times;</span>
          </button>
        </div>
        <div class="modal-body">
          ...
        </div>
        <div class="modal-footer">
          <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
          <button type="button" class="btn btn-primary">Save changes</button>
        </div>
      </div>
    </div>
  </div>
</div>

```



不同尺寸 (sm, lg)

其中 data-target=".bd-example-modal-lg" 可以直接呼叫class名稱(或是id)

```

<div class="demo">
  <button class="btn btn-primary" data-toggle="modal" data-target=".bd-example-modal-lg">Large modal</button>

  <div class="modal fade bd-example-modal-lg" tabindex="-1" role="dialog" aria-labelledby="myLargeModallabel" aria-hidden="true">
    <div class="modal-dialog modal-lg">
      <div class="modal-content">
        <div class="modal-header">
          <h5 class="modal-title" id="exampleModallabel">Modal title</h5>
          <button type="button" class="close" data-dismiss="modal" aria-label="Close">
            <span aria-hidden="true">&times;</span>
          </button>
        </div>
        <div class="modal-body">
          ...
        </div>
        <div class="modal-footer">
          <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
          <button type="button" class="btn btn-primary">Save changes</button>
        </div>
      </div>
    </div>
  </div>
</div>

```

modal-dialog-centered 使其垂直置中


```

<div class="demo">
  <!-- Button trigger modal -->
  <button type="button" class="btn btn-primary" data-toggle="modal" data-target="#exampleModalCenter">
    Launch demo modal
  </button>

  <!-- Modal -->
  <div class="modal fade" id="exampleModalCenter" tabindex="-1" role="dialog" aria-labelledby="exampleModalCenterTitle" aria-hidden="true">
    <div class="modal-dialog modal-dialog-centered" role="document">
      <div class="modal-content">
        <div class="modal-header">
          <h5 class="modal-title" id="exampleModalLongTitle">Modal title</h5>
          <button type="button" class="close" data-dismiss="modal" aria-label="Close">
            <span aria-hidden="true">&times;</span>
          </button>
        </div>
        <div class="modal-body">
          ...
        </div>
        <div class="modal-footer">
          <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
          <button type="button" class="btn btn-primary">Save changes</button>
        </div>
      </div>
    </div>
  </div>
</div>

```

11. Nav 導欄元件

```

<div class="demo">
  <ul class="nav">
    <li class="nav-item">
      <a class="nav-link active" href="#">Active</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item">
      <a class="nav-link disabled" href="#">Disabled</a>
    </li>
  </ul>

  <nav class="nav">
    <a class="nav-link active" href="#">Active</a>
    <a class="nav-link" href="#">Link</a>
    <a class="nav-link disabled" href="#">Disabled</a>
  </nav>
</div>

```

Active Link Disabled
Active Link Disabled

利用flex justify-content-center排版

```

<div class="demo">
  <ul class="nav justify-content-center">
    <li class="nav-item">
      <a class="nav-link active" href="#">Active</a>
    </li>
    <li class="nav-item">
      <a class="nav-link disabled" href="#">Disabled</a>
    </li>
  </ul>

  <ul class="nav justify-content-end">
    <li class="nav-item">
      <a class="nav-link active" href="#">Active</a>
    </li>
    <li class="nav-item">
      <a class="nav-link disabled" href="#">Disabled</a>
    </li>
  </ul>
</div>

```

Active Disabled

Active Disabled

.flex-column 使其垂直排列

```

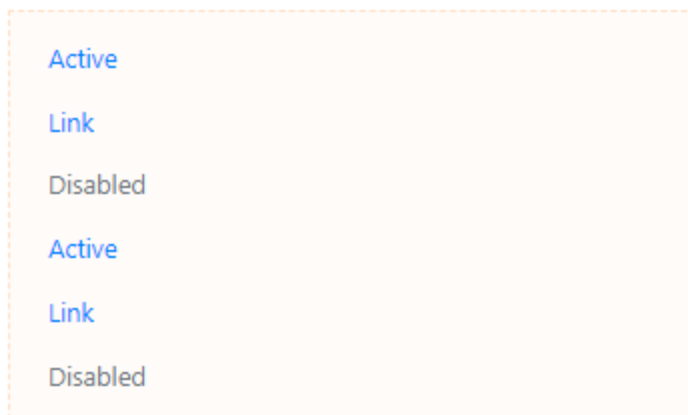
<div class="demo">
  <ul class="nav flex-column">
    <li class="nav-item">
      <a class="nav-link active" href="#">Active</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item">
      <a class="nav-link disabled" href="#">Disabled</a>
    </li>
  </ul>

  <nav class="nav flex-column">
    <a class="nav-link active" href="#">Active</a>
    <a class="nav-link" href="#">Link</a>
    <a class="nav-link disabled" href="#">Disabled</a>
  </nav>
</div>

```

Active

Link



美化樣式 tabs(頁籤式)



```
<div class="demo">
  <ul class="nav nav-tabs">
    <li class="nav-item">
      <a class="nav-link active" href="#">Active</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item">
      <a class="nav-link disabled" href="#">Disabled</a>
    </li>
  </ul>
</div>
```

Pills(片狀)

```

<div class="demo">
  <ul class="nav nav-pills">
    <li class="nav-item">
      <a class="nav-link active" href="#">Active</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item">
      <a class="nav-link disabled" href="#">Disabled</a>
    </li>
  </ul>
</div>

```

Active Link Link Disabled

data-toggle="tab" 切换页面效果

```

<div class="demo">
  <nav class="nav nav-tabs" id="myTab" role="tablist">
    <a class="nav-item nav-link active" id="nav-home-tab" data-toggle="tab" href="#nav-home" role="tab" aria-controls="nav-home" aria-label="Home">Home</a>
    <a class="nav-item nav-link" id="nav-profile-tab" data-toggle="tab" href="#nav-profile" role="tab" aria-controls="nav-profile" aria-label="Profile">Profile</a>
    <div class="dropdown">
      <a class="nav-item nav-link dropdown-toggle" data-toggle="dropdown" href="#" role="button" aria-haspopup="true" aria-expanded="false">Dropdown</a>
      <div class="dropdown-menu">
        <a class="dropdown-item" id="nav-dropdown1-tab" href="#nav-dropdown1" role="tab" data-toggle="tab" aria-controls="nav-dropdown1" aria-label="Dropdown 1">Dropdown 1</a>
        <a class="dropdown-item" id="nav-dropdown2-tab" href="#nav-dropdown2" role="tab" data-toggle="tab" aria-controls="nav-dropdown2" aria-label="Dropdown 2">Dropdown 2</a>
      </div>
    </div>
  </nav>
  <div class="tab-content" id="nav-tabContent">
    <div class="tab-pane fade show active" id="nav-home" role="tabpanel" aria-labelledby="nav-home-tab">1</div>
    <div class="tab-pane fade" id="nav-profile" role="tabpanel" aria-labelledby="nav-profile-tab">2</div>
    <div class="tab-pane fade" id="nav-dropdown1" role="tabpanel" aria-labelledby="nav-dropdown1-tab">3</div>
    <div class="tab-pane fade" id="nav-dropdown2" role="tabpanel" aria-labelledby="nav-dropdown2-tab">4</div>
  </div>
</div>

```

Home Profile Dropdown

1

Home Profile Dropdown

2

Home Profile Dropdown

3

@fat

@mdo

Home Profile Dropdown

4

@fat

@mdo

12. Navbar

若要不要有連結功能就已span標籤包住

```
<div class="demo">
  <nav class="navbar navbar-light bg-light">
    <a class="navbar-brand" href="#">Navbar</a>
  </nav>

  <!-- As a heading -->
  <nav class="navbar navbar-light bg-light">
    <span class="h1" class="navbar-brand mb-0">Navbar</span>
  </nav>
</div>
```

Navbar

Navbar

利用navbar-expand-sm(md, lg, xl) 使其改變響應式的顯示
fixed-top、fixed-bottom 使其固定在最上及最下方

```
<div class="demo">
  <nav class="navbar navbar-expand-sm navbar-light bg-light">
    <a class="navbar-brand" href="#">Navbar</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav mr-auto">
        <li class="nav-item active">
          <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Link</a>
        </li>
        <li class="nav-item">
          <a class="nav-link disabled" href="#">Disabled</a>
        </li>
      </ul>
      <form class="form-inline my-2 my-lg-0">
        <input class="form-control mr-sm-2" type="text" placeholder="Search" aria-label="Search">
        <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
      </form>
    </div>
  </nav>
</div>
```

加入品牌logo

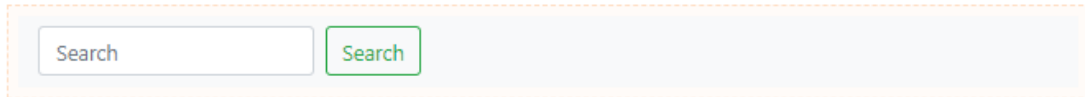
navbar-brand

```
<div class="demo">
  <nav class="navbar navbar-light bg-light">
    <a class="navbar-brand" href="#">
      
    </a>
  </nav>
</div>
```

LOGO

若使用表單必須加上form-inline 使其顯示正確

```
<div class="demo">
  <nav class="navbar navbar-light bg-light">
    <form class="form-inline">
      <input class="form-control mr-sm-2" type="text" placeholder="Search" aria-label="Search">
      <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
    </form>
  </nav>
</div>
```

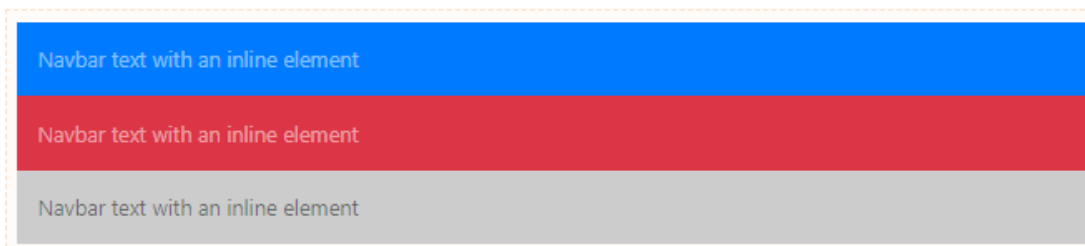


變換主題顏色

```
<div class="demo">
  <nav class="navbar navbar-dark bg-primary">
    <span class="navbar-text">
      Navbar text with an inline element
    </span>
  </nav>

  <nav class="navbar navbar-dark bg-danger">
    <span class="navbar-text">
      Navbar text with an inline element
    </span>
  </nav>

  <nav class="navbar navbar-light" style="background-color: #cccccc;">
    <span class="navbar-text">
      Navbar text with an inline element
    </span>
  </nav>
</div>
```



13. 分頁pagination

在設定disabled 使用tab鍵也能選取到，可加上tabindex="-1" 禁止使用tab選取

```

<div class="demo">
  <nav aria-label="...">
    <ul class="pagination">
      <li class="page-item disabled">
        <a class="page-link" href="#" tabindex="-1">Previous</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 <span class="sr-only">(current)</span></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>
  </nav>
</div>

```

Previous 1 2 3 Next

不同尺寸 (sm, lg)

```

<div class="demo">
  <nav aria-label="...">
    <ul class="pagination pagination-sm">
      <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>
    </ul>
  </nav>

  <nav aria-label="...">
    <ul class="pagination pagination-lg">
      <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>
    </ul>
  </nav>
</div>

```

1 2 3

1 2 3

justify-content 排版

Previous 1 2 3 Next

Previous 1 2 3 Next

```

<div class="demo">
  <nav aria-label="Page navigation example">
    <ul class="pagination justify-content-center">
      <li class="page-item disabled">
        <a class="page-link" href="#" tabindex="-1">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>
  </nav>

  <nav aria-label="Page navigation example">
    <ul class="pagination justify-content-end">
      <li class="page-item disabled">
        <a class="page-link" href="#" tabindex="-1">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>
  </nav>
</div>

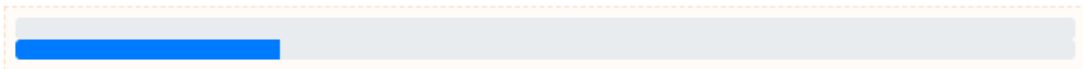
```

14. 進度條 progress

```

<div class="demo">
  <div class="progress">
    <div class="progress-bar" role="progressbar" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
  <div class="progress">
    <div class="progress-bar" role="progressbar" style="width: 25%" aria-valuenow="25" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
</div>

```



```

<div class="demo">
  <div class="progress" style="height: 目標px;">
    <div class="progress-bar" role="progressbar" style="width: 80%;">80%</div>
  </div>
</div>
<hr>

```

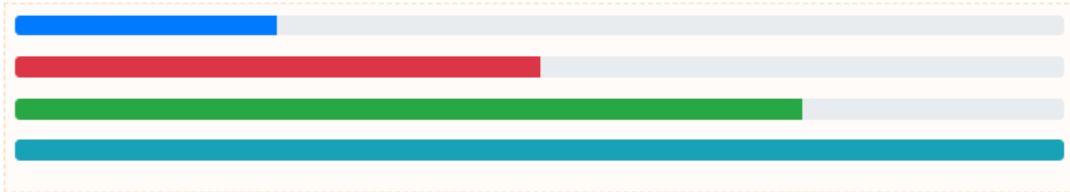


進度條色彩


```

<div class="demo">
  <div class="progress mb-3">
    <div class="progress-bar bg-primary" role="progressbar" style="width: 25%" aria-valuenow="25" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
  <div class="progress mb-3">
    <div class="progress-bar bg-danger" role="progressbar" style="width: 50%" aria-valuenow="50" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
  <div class="progress mb-3">
    <div class="progress-bar bg-success" role="progressbar" style="width: 75%" aria-valuenow="75" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
  <div class="progress mb-3">
    <div class="progress-bar bg-info" role="progressbar" style="width: 100%" aria-valuenow="100" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
</div>

```



progress-bar 堆疊

```

<div class="demo">
  <div class="progress">
    <div class="progress-bar" role="progressbar" style="width: 15%" aria-valuenow="15" aria-valuemin="0" aria-valuemax="100"></div>
    <div class="progress-bar bg-success" role="progressbar" style="width: 30%" aria-valuenow="30" aria-valuemin="0" aria-valuemax="100"></div>
    <div class="progress-bar bg-info" role="progressbar" style="width: 20%" aria-valuenow="20" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
</div>

```



斜線條文樣式

```

<div class="demo">
  <div class="progress mb-3">
    <div class="progress-bar progress-bar-striped" role="progressbar" style="width: 10%" aria-valuenow="10" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
  <div class="progress mb-3">
    <div class="progress-bar progress-bar-striped bg-success" role="progressbar" style="width: 25%" aria-valuenow="25" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
  <div class="progress mb-3">
    <div class="progress-bar progress-bar-striped bg-info" role="progressbar" style="width: 50%" aria-valuenow="50" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
</div>

```



動畫條紋 progress-bar-animated(消耗 CPU 資源)

```

<div class="demo">
  <div class="progress">
    <div class="progress-bar progress-bar-striped progress-bar-animated" role="progressbar" style="width: 75%" aria-valuenow="75" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
</div>

```

