

1. Bootstrap 簡介

1. Vscode

(1) Atom One Dark Theme

(2) IntelliSense for CSS class names in HTML

(3) AutoFileName

(4) Bootstrap 5 & Font Awesome Snippets

(5) Chinese (Traditional) Language Pack for Visual Studio Code

(6) Chinese Lorem

(7) Fake Image Snippet Collection

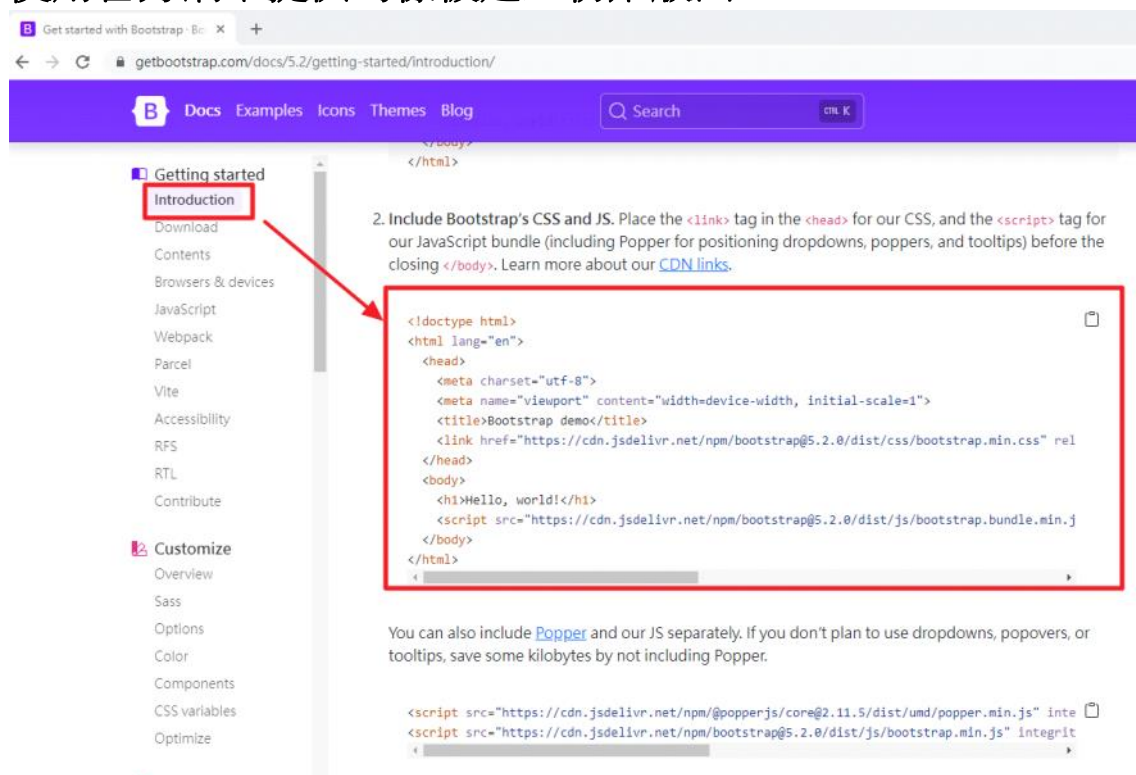
(8) Live Server

(9) indent-rainbow

(10) Font Awesome Auto-complete & Preview

2. Bootstrap是一組用於網站和網路應用程式開發的開源前端框架，包括HTML、CSS及JavaScript的框架，提供字體排印、表單、按鈕、導航及其他各種元件及Javascript擴充套件，旨在使動態網頁和Web應用的開發更加容易。

3. 使用官方網站提供的樣板建立初始版面



修改為zh-TW 繁體中文(zh-CN 簡體中文)

```
1 <!doctype html>
2 <html lang="zh-TW">
```

```

1 <!doctype html>
2 <html lang="zh-TW">
3 <head>
4   <meta charset="utf-8">
5   <meta name="viewport" content="width=device-width, initial-s
6   <title>Bootstrap demo</title>
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dis
8   integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AykY
9 </head>
10 <body>
11   <h1>Hello, world!</h1>
12   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/di
13   integrity="sha384-A3rJD856KowSb7dwlZdYEk039Gagi7vIsF0jrR
14   crossorigin="anonymous"></script>
15 </body>
16 </html>

```

4. 加入第一個bootstrap元件 Button

The screenshot shows the Bootstrap 5 documentation page for Buttons. The left sidebar has a 'Buttons' link highlighted with a red arrow. The main content area shows the 'Buttons' section with a description: 'Use Bootstrap's custom button styles for actions in forms, dialogs, and more with support for multiple sizes, states, and more.' Below this, there are 'Examples' showing various button styles: Primary, Secondary, Success, Danger, Warning, Info, Light, Dark, and Link. Each style is represented by a colored button. Below the examples, there is an 'HTML' section showing the code for each button style:

```

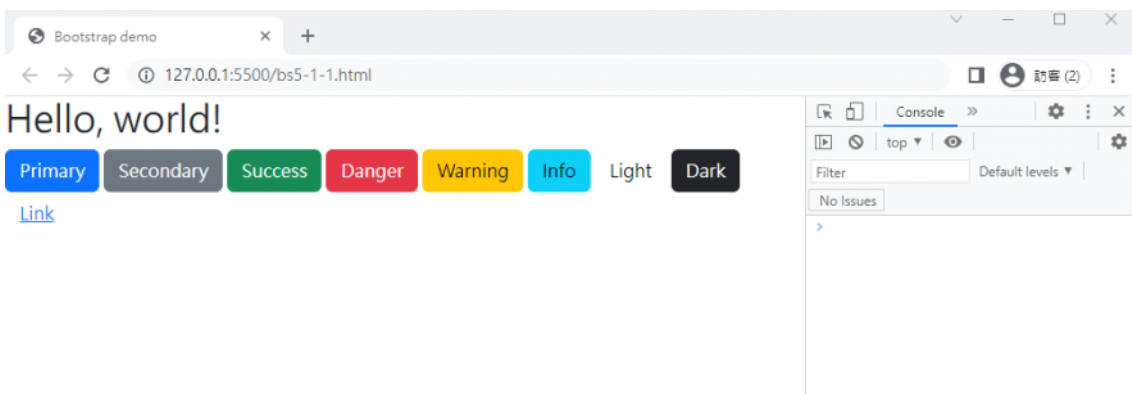
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</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>

```

```

1 <!doctype html>
2 <html lang="zh-TW">
3 <head>
4   <meta charset="utf-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Bootstrap demo</title>
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"
8     integrity="sha384-gH2yIJqKdNHPEq0n4Mqqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNL/vI18x" crossorigin="anonymous">
9 </head>
10 <body>
11   <h1>Hello, world!</h1>
12   <button type="button" class="btn btn-primary">Primary</button>
13   <button type="button" class="btn btn-secondary">Secondary</button>
14   <button type="button" class="btn btn-success">Success</button>
15   <button type="button" class="btn btn-danger">Danger</button>
16   <button type="button" class="btn btn-warning">Warning</button>
17   <button type="button" class="btn btn-info">Info</button>
18   <button type="button" class="btn btn-light">Light</button>
19   <button type="button" class="btn btn-dark">Dark</button>
20   <button type="button" class="btn btn-link">Link</button>
21   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"
22     integrity="sha384-A3rJD856KowSb7dwIzDYEk039Gagi7vIsF0jrRAoQmDkKtQ8HUUuLZ9AsSv4jD4Xa"
23     crossorigin="anonymous"></script>
24 </body>
25 </html>

```



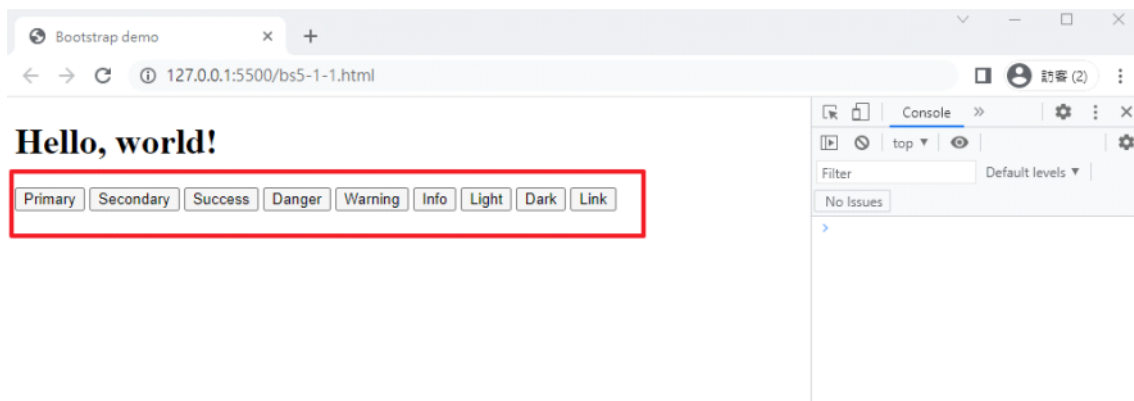
若css沒有正確載入

```

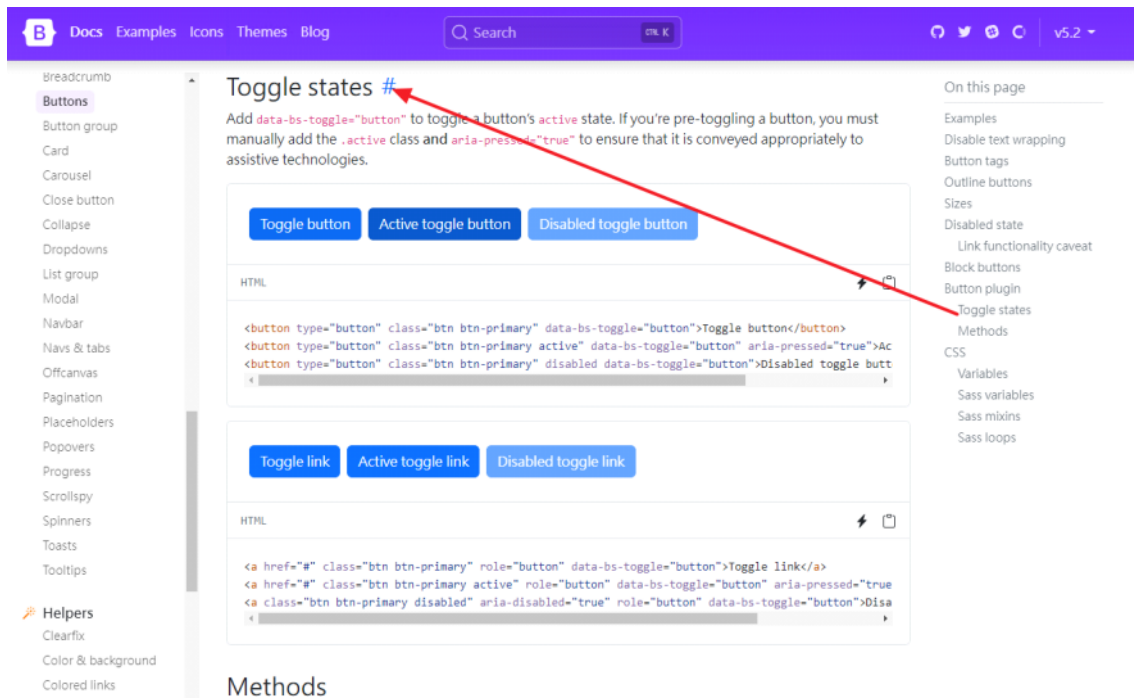
1 <!doctype html>
2 <html lang="zh-TW">
3 <head>
4   <meta charset="utf-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Bootstrap demo</title>
7   <!-- <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"
8     integrity="sha384-gH2yIJqKdNHPEq0n4Mqqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNL/vI18x"
9     crossorigin="anonymous"> -->
10 </head>
11 <body>
12   <h1>Hello, world!</h1>
13   <button type="button" class="btn btn-primary">Primary</button>
14   <button type="button" class="btn btn-secondary">Secondary</button>
15   <button type="button" class="btn btn-success">Success</button>
16   <button type="button" class="btn btn-danger">Danger</button>
17   <button type="button" class="btn btn-warning">Warning</button>
18   <button type="button" class="btn btn-info">Info</button>
19   <button type="button" class="btn btn-light">Light</button>
20   <button type="button" class="btn btn-dark">Dark</button>
21   <button type="button" class="btn btn-link">Link</button>
22   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"
23     integrity="sha384-A3rJD856KowSb7dwIzDYEk039Gagi7vIsF0jrRAoQmDkKtQ8HUUuLZ9AsSv4jD4Xa"
24     crossorigin="anonymous"></script>
25 </body>
26 </html>

```

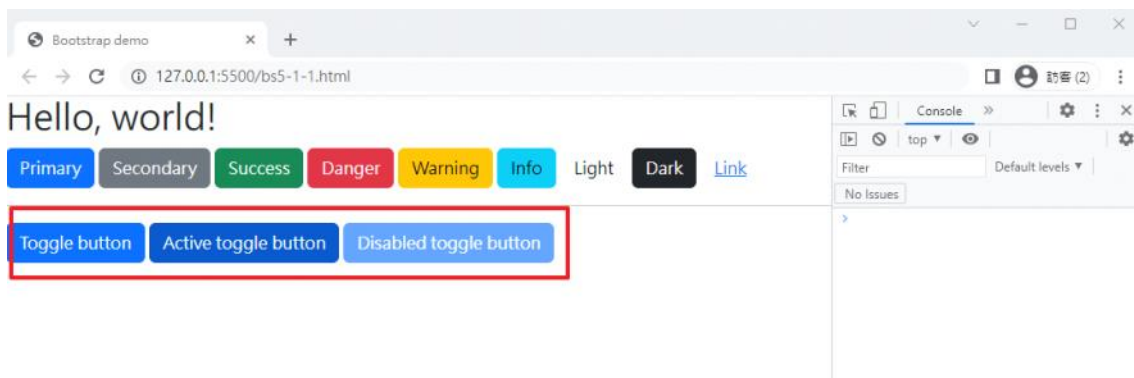
可觀察出相關的顏色已消失



若js沒有正確載入



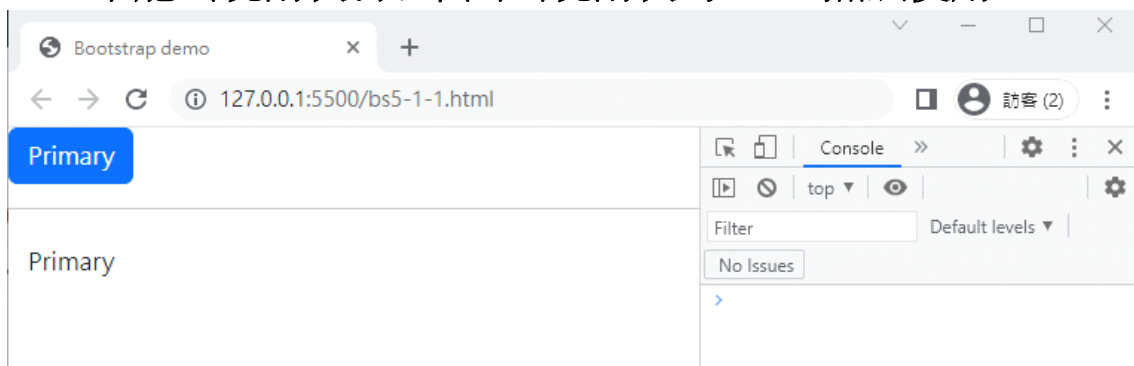
觀察按鈕變化, 狀態無法保留



5. CSS的class使用規則

```
<!doctype html>
<html lang="zh-Tw">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Bootstrap demo</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="sty
    integrity="sha384-gH2yI3qKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHN1/vI1Bx" cross
</head>
<body>
  <button type="button" class="btn btn-primary">Primary</button>
  <hr>
  <button type="button" class="btn" class="btn-primary">Primary</button>
  <!-- <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-A3rJD856KowSb7dwlZdYEk039Gagi7vIsF0jrRAoQmDCKtQBHUuLZ9AsSv4jD4Xa"
    crossorigin="anonymous"></script> -->
</body>
</html>
```

class不能出現兩次，如下圖出現兩次的button無法使用！



6. 快速建立一個BS網頁 加入navbar

Bootstrap 5 Docs Examples Icons Themes Blog Search

Components

- Accordion
- Alerts
- Badge
- Breadcrumb
- Buttons
- Button group
- Card
- Carousel
- Close button
- Close button
- Collapse
- Dropdowns
- List group
- Modal
- Navbar**
- Navs & tabs
- Offcanvas
- Pagination
- Placeholders
- Popovers
- Progress
- Scrollspy

Navbar

- Home
- Link
- Dropdown
- Disabled
- Search
- Search

HTML

```
<nav class="navbar navbar-expand-lg bg-light">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Navbar</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarS"
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav me-auto mb-2 mb-lg-0">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Link</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Dropdown</a>
        </li>
        <li class="nav-item">
          <a class="nav-link disabled" href="#">Disabled</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```

On this page

- How it works
- Supported content
- Brand
- Text
- Image
- Image and text
- Nav
- Forms
- Text
- Color schemes
- Containers
- Placement
- Scrolling
- Responsive behaviors
- Toggler
- External content
- Offcanvas
- CSS
- Variables
- Sass variables
- Sass loop

並選擇相關配色

Bootstrap 5 Docs Examples Icons Themes Blog Search

Components

- Accordion
- Alerts
- Badge
- Breadcrumb
- Buttons
- Button group
- Card
- Carousel
- Close button
- Close button
- Collapse
- Dropdowns
- List group
- Modal
- Navbar**
- Navs & tabs
- Offcanvas
- Pagination
- Placeholders
- Popovers
- Progress
- Scrollspy

Color schemes

New in v5.2.0: Navbar theming is now powered by CSS variables and `.navbar-light` has been deprecated. CSS variables are applied to `.navbar`, defaulting to the "light" appearance, and can be overridden with `.navbar-dark`.

Navbar themes are easier than ever thanks to Bootstrap's combination of Sass and CSS variables. The default is our "light navbar" for use with light background colors, but you can also apply `.navbar-dark` for dark background colors. Then, customize with `.bg-*` utilities.

Navbar

- Home
- Features
- Pricing
- About
- Search
- Search

Navbar

- Home
- Features
- Pricing
- About
- Search
- Search

Navbar

- Home
- Features
- Pricing
- About
- Search
- Search

HTML

```
<nav class="navbar navbar-dark bg-dark">
  <!-- Navbar content -->
</nav>
```

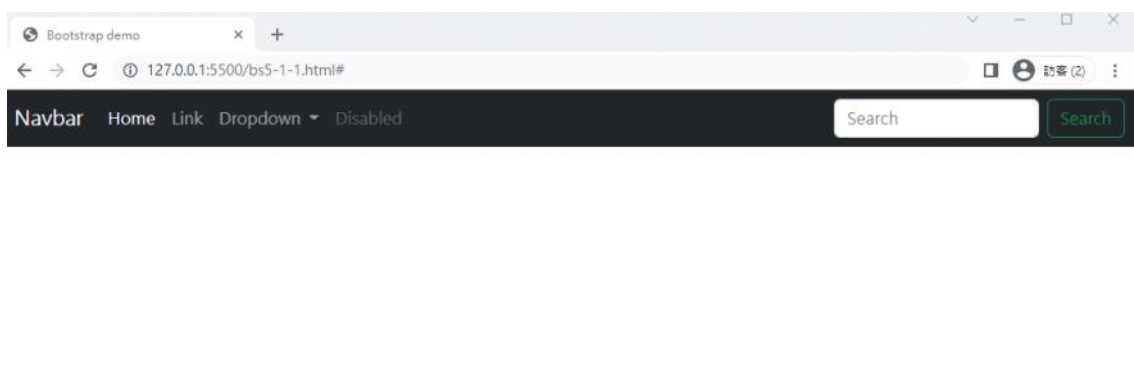
On this page

- How it works
- Supported content
- Brand
- Text
- Image
- Image and text
- Nav
- Forms
- Text
- Color schemes**
- Containers
- Placement
- Scrolling
- Responsive behaviors
- Toggler
- External content
- Offcanvas
- CSS
- Variables
- Sass variables
- Sass loop

```

1 <!doctype html>
2 <html lang="zh-TW">
3 <head>
4   <meta charset="utf-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Bootstrap demo</title>
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css"
8     integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csB"
9 </head>
10 <body>
11   <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
12     <div class="container-fluid"> ...
49   </div>
50 </nav>
51 <!-- <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.min.js"
52   integrity="sha384-A3rJD856KowSb7dwLZdYEk039Gagi7vIsF0jrRAoQmDCKtQBHUuL
53   crossorigin="anonymous"></script> -->
54 </body>
55 </html>

```



加入card 並更新圖片位址

content. This content is a little bit longer.

Image cap

Card title

This is a longer card with supporting text below as a natural lead-in to additional content.

content. This content is a little bit longer.

Image cap

Card title

This is a longer card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

HTML

```

<div class="row row-cols-1 row-cols-md-2 g-4">
  <div class="col">
    <div class="card">
      
      <div class="card-body">
        <h5 class="card-title">Card title</h5>
        <p class="card-text">This is a longer card with supporting text below as a natural lead-in
      </div>
    </div>
  </div>
  <div class="col">
    <div class="card">
      
      <div class="card-body">
        <h5 class="card-title">Card title</h5>
        <p class="card-text">This is a longer card with supporting text below as a natural lead-in
      </div>
    </div>
  </div>
</div>

```

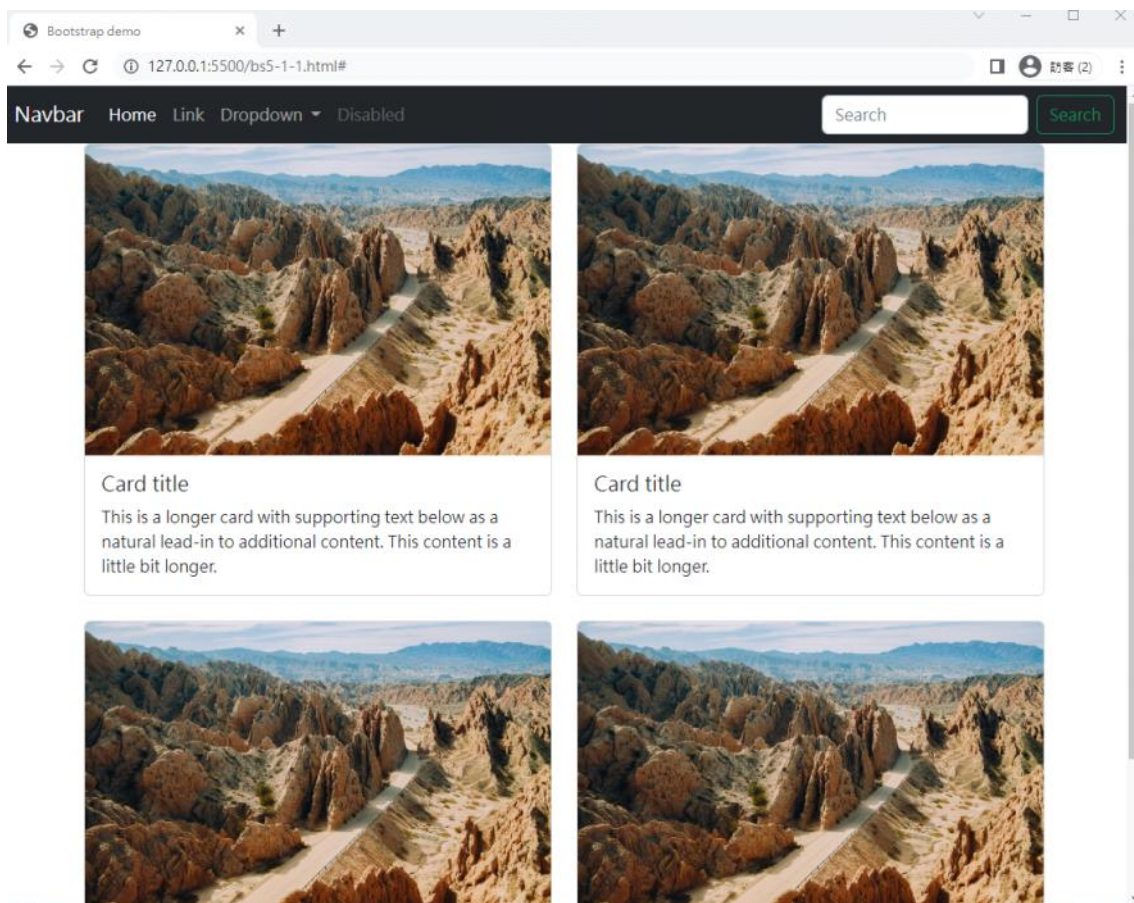
On this page

- About
- Example
- Content types
 - Body
 - Titles, text, and links
 - Images
 - List groups
 - Kitchen sink
 - Header and footer
- Sizing
 - Using grid markup
 - Using utilities
 - Using custom CSS
- Text alignment
- Navigation
 - Images
 - Image caps
 - Image overlays
- Horizontal
- Card styles
 - Background and color
 - Border
 - Mixins utilities
- Card layout
 - Card groups
 - Grid cards
 - Masonry
- CSS
 - Variables
 - Sass variables

```

<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container-fluid">...
    </div>
  </nav>
  <div class="container">
    <div class="row row-cols-1 row-cols-md-2 g-4">
      <div class="col">
        <div class="card">
          
          <div class="card-body">
            <h5 class="card-title">Card title</h5>
            <p class="card-text">This is a longer card with supporting text below as a natural lead-
              to additional
              content. This content is a little bit longer.</p>
          </div>
        </div>
      </div>
      <div class="col">
        <div class="card">...
        </div>
      </div>
      <div class="col">...
      </div>
      <div class="col">...
      </div>
    </div>
  </div>

```



加入spacing相關設定調整間隔

Docs

Examples

Icons

Themes

Blog

Search

EN K

v5.2

Utilities

API

Background

Borders

Colors

Display

Flex

Float

Interactions

Opacity

Overflow

Position

Shadows

Sizing

Spacing

Text

Vertical align

Visibility

Extend

Approach

Icons

About

Overview

Team

Brand

License

Translations

Notation

Spacing utilities that apply to all breakpoints, from `xs` to `xxl`, have no breakpoint abbreviation in them. This is because those classes are applied from `min-width: 0` and up, and thus are not bound by a media query. The remaining breakpoints, however, do include a breakpoint abbreviation.

The classes are named using the format `{property}{sides}-{size}` for `xs` and `{property}{sides}-{breakpoint}-{size}` for `sm`, `md`, `lg`, `xl`, and `xxl`.

Where `property` is one of:

- `m` - for classes that set `margin`
- `p` - for classes that set `padding`

Where `sides` is one of:

- `t` - for classes that set `margin-top` or `padding-top`
- `b` - for classes that set `margin-bottom` or `padding-bottom`
- `s` - (start) for classes that set `margin-left` or `padding-left` in LTR, `margin-right` or `padding-right` in RTL
- `e` - (end) for classes that set `margin-right` or `padding-right` in LTR, `margin-left` or `padding-left` in RTL
- `x` - for classes that set both `*-left` and `*-right`
- `y` - for classes that set both `*-top` and `*-bottom`
- `blank` - for classes that set a `margin` or `padding` on all 4 sides of the element

Where `size` is one of:

- `0` - for classes that eliminate the `margin` or `padding` by setting it to `0`
- `1` - (by default) for classes that set the `margin` or `padding` to `$spacer * .25`
- `2` - (by default) for classes that set the `margin` or `padding` to `$spacer * .5`
- `3` - (by default) for classes that set the `margin` or `padding` to `$spacer`
- `4` - (by default) for classes that set the `margin` or `padding` to `$spacer * 1.5`
- `5` - (by default) for classes that set the `margin` or `padding` to `$spacer * 3`
- `auto` - for classes that set the `margin` to `auto`

(You can add more sizes by adding entries to the `$spacers` Sass map variable.)

On this page

Margin and padding

Notation

Examples

Horizontal centering

Negative margin

Gap

Sass

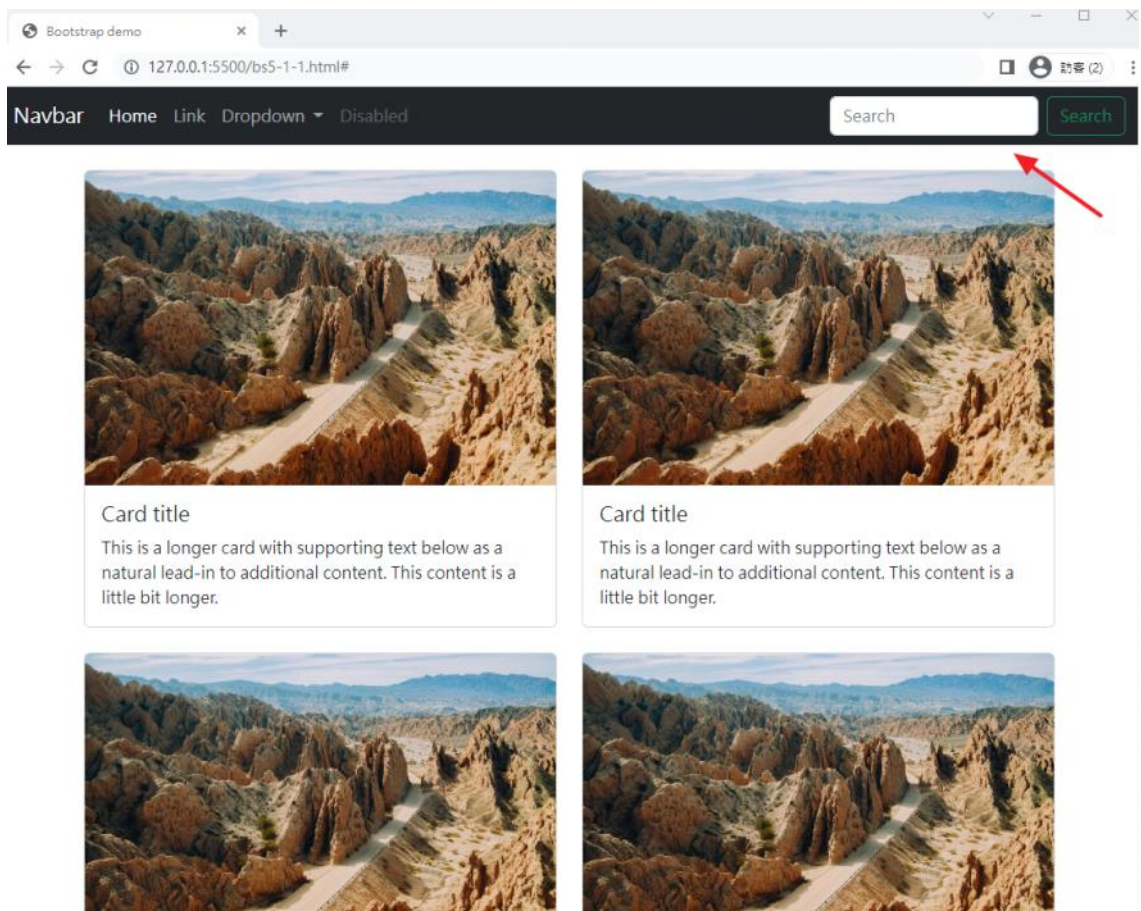
Maps

Utilities API

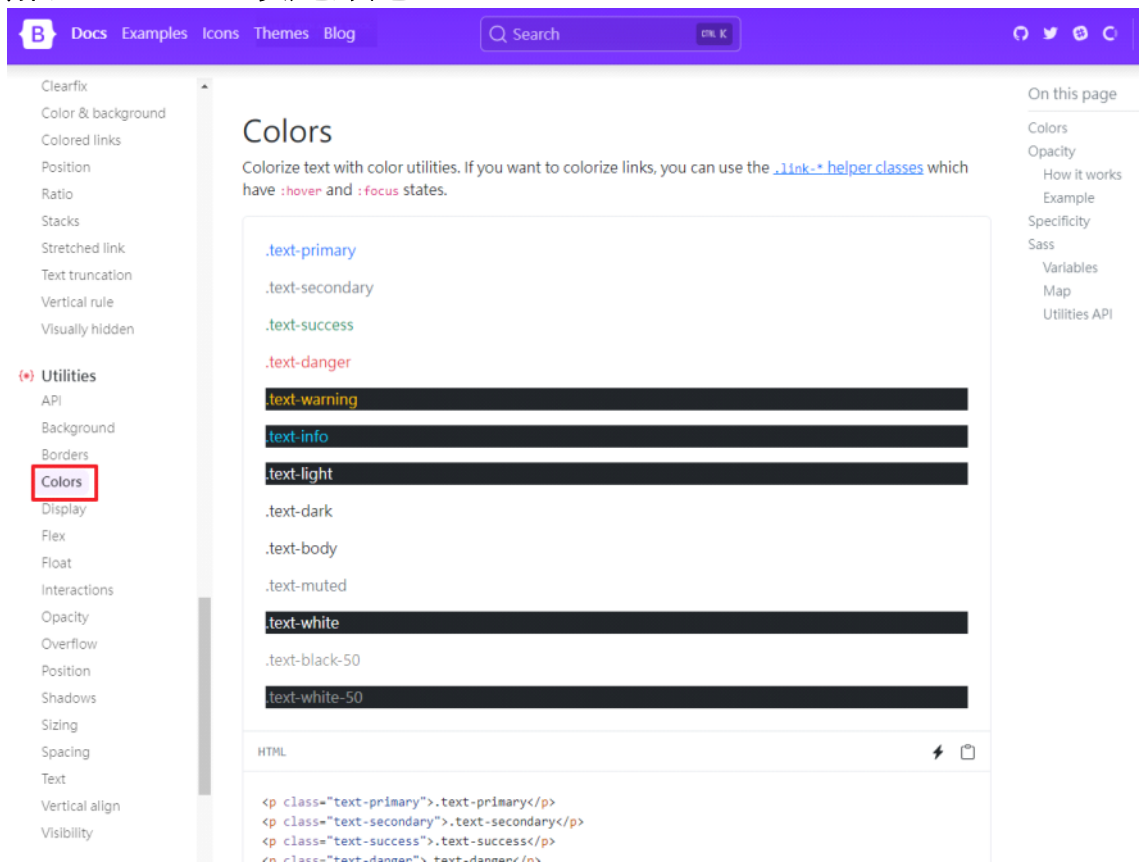
```

<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container-fluid"> ...
  </div>
</nav>
<div class="container my-4">
  <div class="row row-cols-1 row-cols-md-2 g-4"> ...
</div>
<!-- <script src="https://cdn.jsdelivr.net/npm/bootstrap@5
integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0j
crossorigin="anonymous"></script> -->
</body>

```



加入footer並設定顏色



```

<body>
<nav class="navbar navbar-expand-lg navbar-dark bg-dark"> ...
</nav>

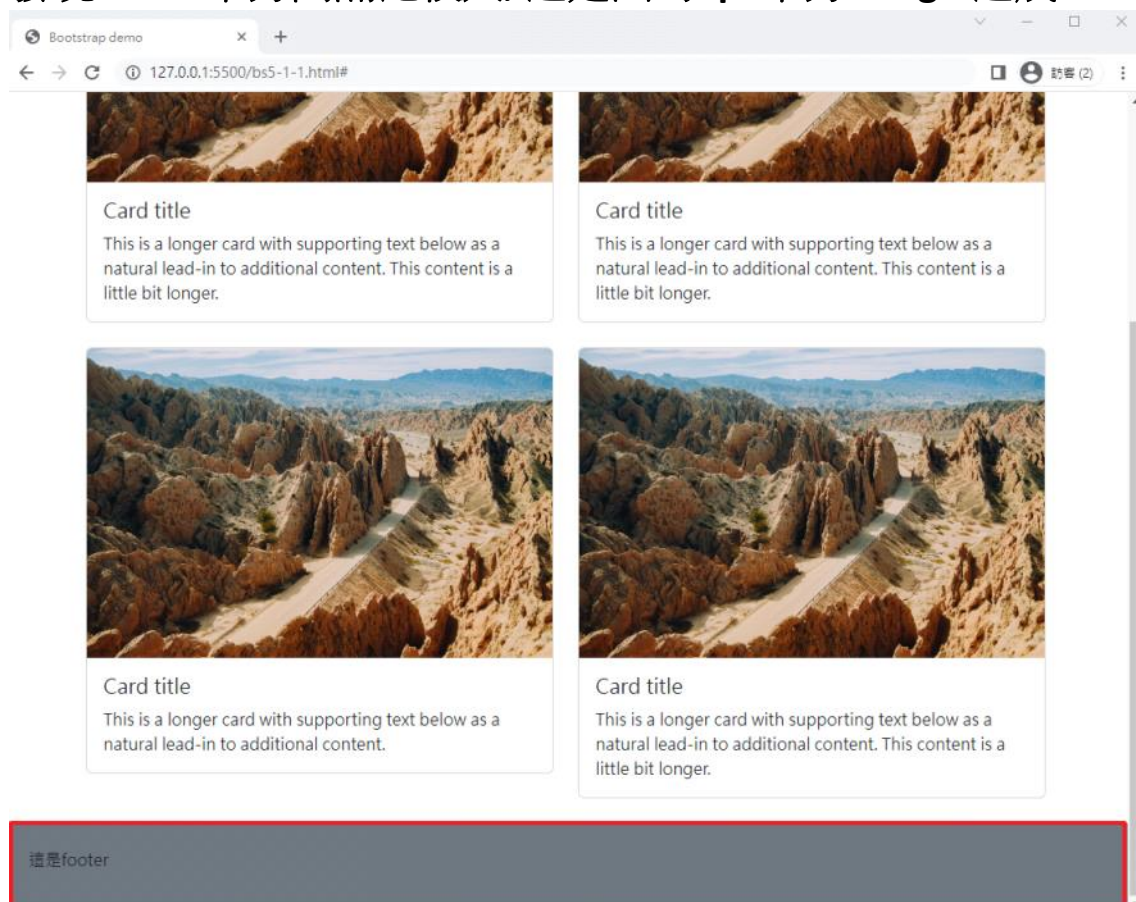
<div class="container my-4"> ...
</div>

<div class="footer bg-secondary p-4">
  <p>這是footer</p>
</div>

<!-- <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRA
crossorigin="anonymous"></script> -->
</body>

```

發現footer下方間隔比較大, 這是因為<p>下方margin造成



<p> 設定mb-0


```

<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark"> ...
</nav>

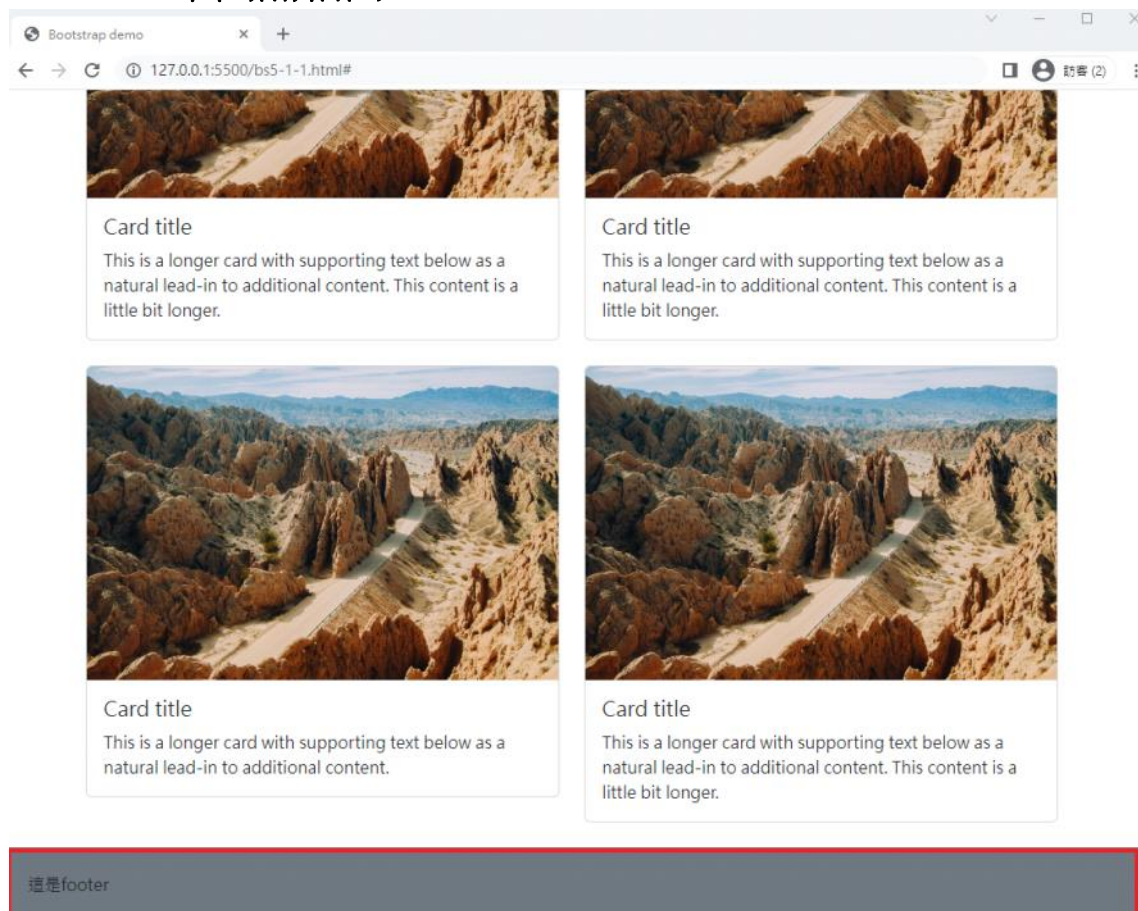
  <div class="container my-4"> ...
</div>

  <div class="footer bg-secondary p-4">
    <p class="mb-0">這是footer</p>
  </div>

  <!-- <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.
        integrity="sha384-A3rJD856KowSb7dwlZdYEk039Gagi7vIsF0j
        crossorigin="anonymous"></script> -->
</body>

```

footer 上下間隔相同



加上container 與內容卡片對齊


```

<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark"> ...
</nav>

  <div class="container my-4"> ...
</div>

  <div class="footer bg-secondary p-4">
    <div class="container">
      <p class="mb-0">這是footer</p>
    </div>
  </div>

  <!-- <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2
    integrity="sha384-A3rJD856KowSb7dwlZdYEk039Gagi7vIsF0jrR
    crossorigin="anonymous"></script> -->
</body>

```

