

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

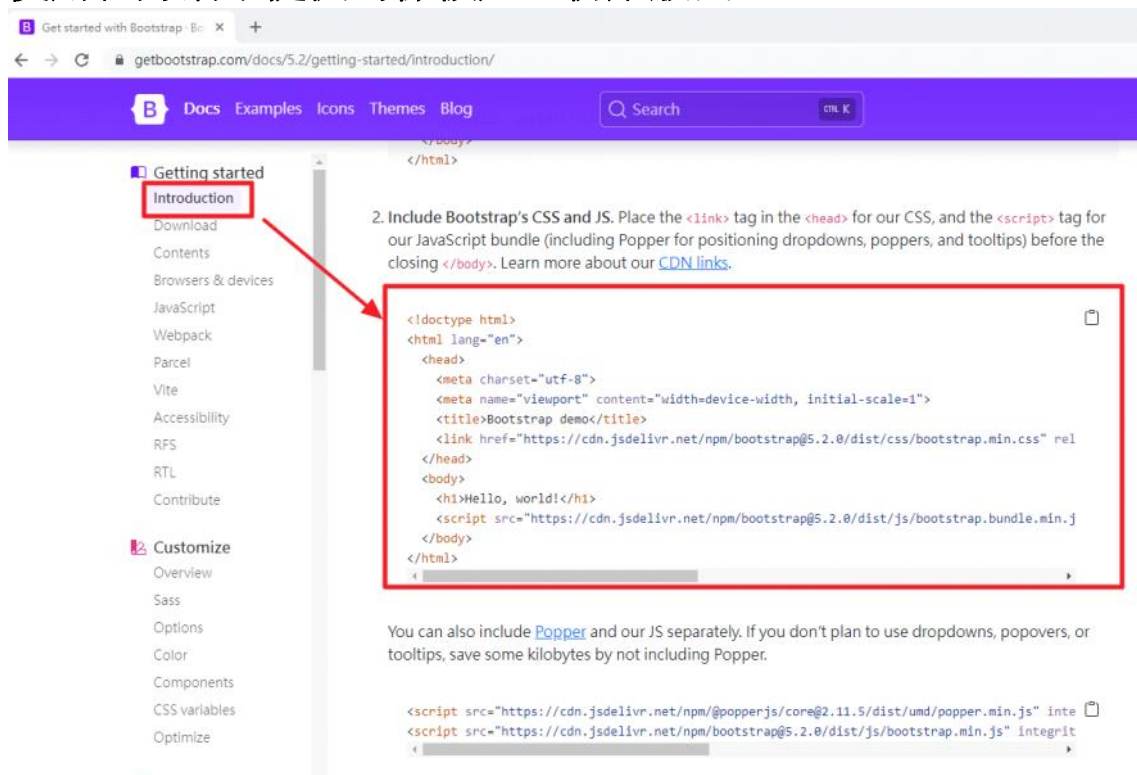
(8) Live Server

(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



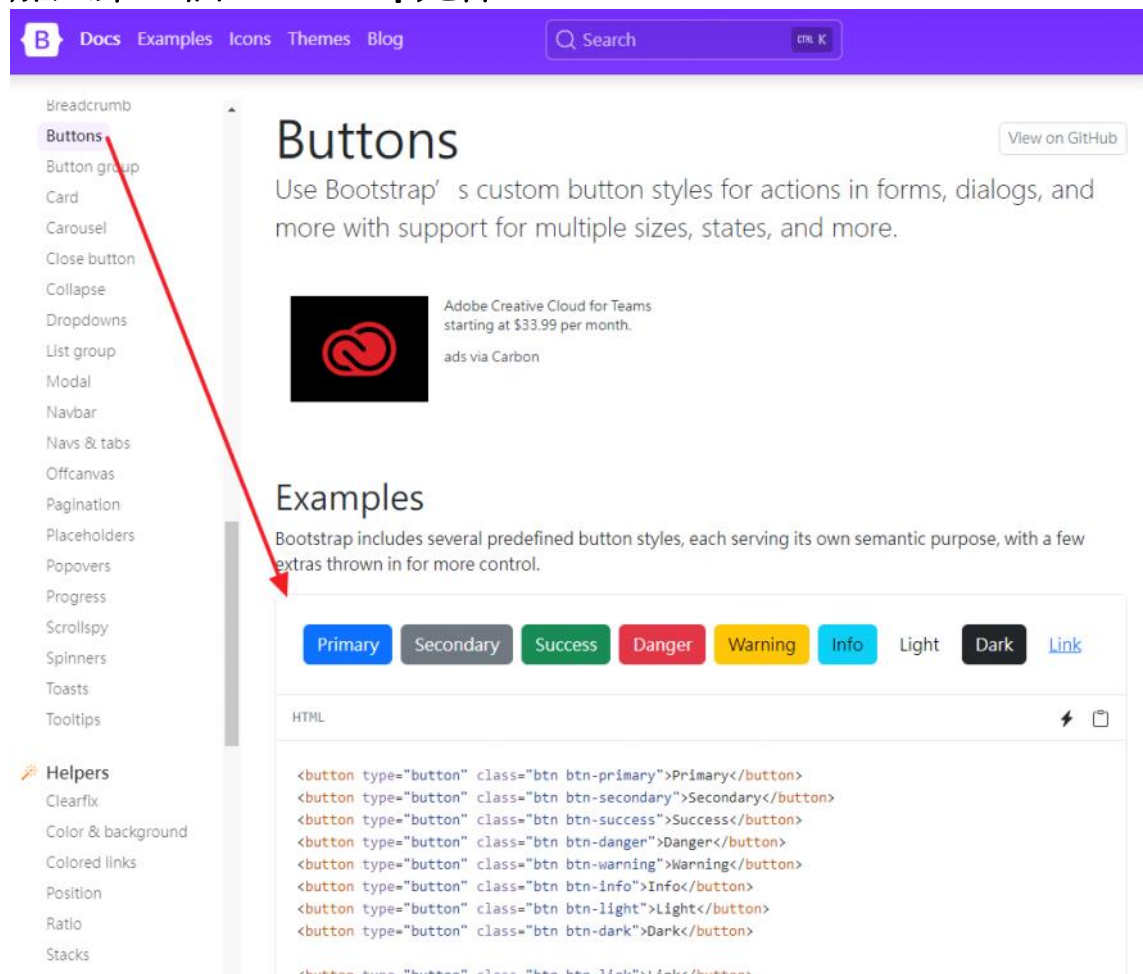
修改為zh-TW 繁體中文(zh-CN 簡體中文)

```

1 <!doctype html>
2 <html lang="zh-TW">
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/HGKIhSkIHeL5AyhkY
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-A3rJD856KowSb77dw1ZdYEk039Gagi7vIsF0jrR
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 contains a list of components, with 'Buttons' highlighted. A red arrow points from 'Buttons' in the sidebar to the 'Examples' section of the main content area. The main content area has a purple header with navigation links (Docs, Examples, Icons, Themes, Blog) and a search bar. Below the header, the 'Buttons' section is titled, followed by 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 is an advertisement for Adobe Creative Cloud for Teams. The 'Examples' section shows a row of buttons: Primary (blue), Secondary (grey), Success (green), Danger (red), Warning (yellow), Info (cyan), Light (light blue), Dark (dark blue), and Link (blue). Below the buttons is a code block showing the HTML for each button style.

Buttons

Use Bootstrap's custom button styles for actions in forms, dialogs, and more with support for multiple sizes, states, and more.

Examples

Bootstrap includes several predefined button styles, each serving its own semantic purpose, with a few extras thrown in for more control.

Primary Secondary Success Danger Warning Info Light Dark Link

HTML

```

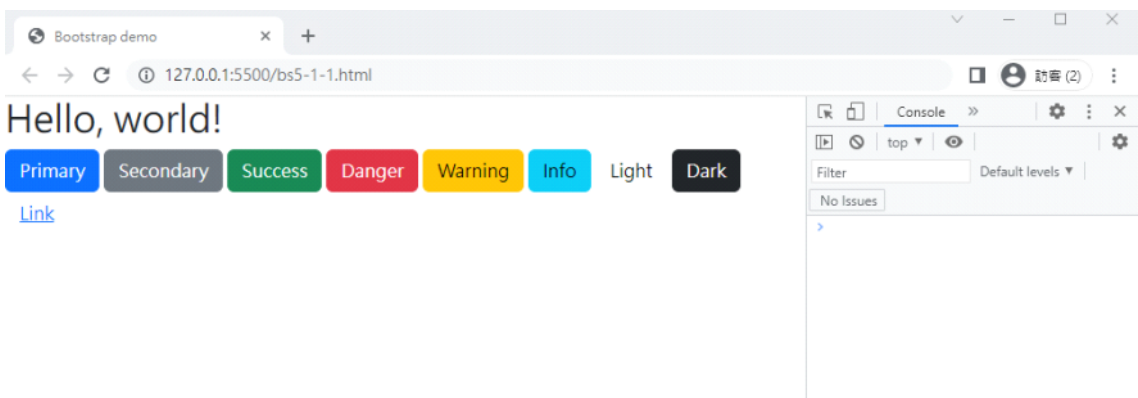
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</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/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHN1/vI1Bx" 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-A3rJD856KowSb7dw1ZdYEk039Gagi7vIsF0jrRaoQmDKKtQ8HUUlZ9AsSv4jD4Xa"
23     crossorigin="anonymous"></script>
24 </body>
25 </html>

```



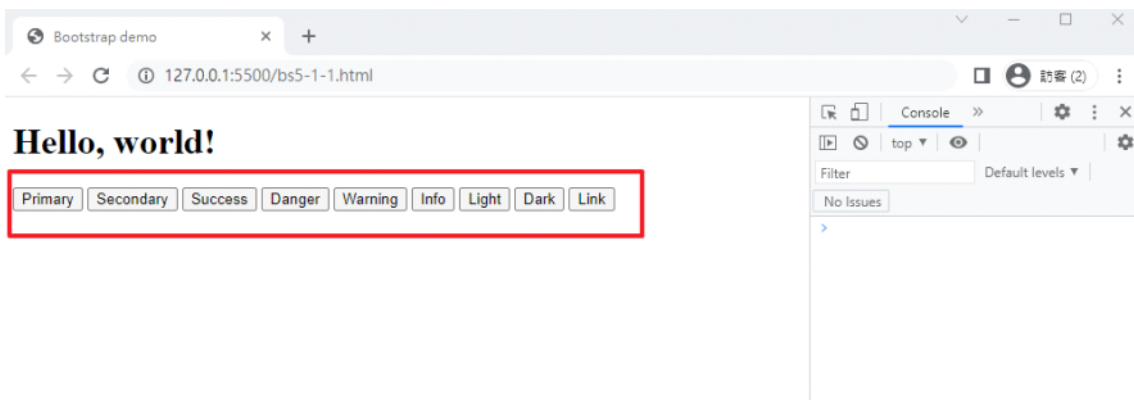
若css沒有正確載入

```

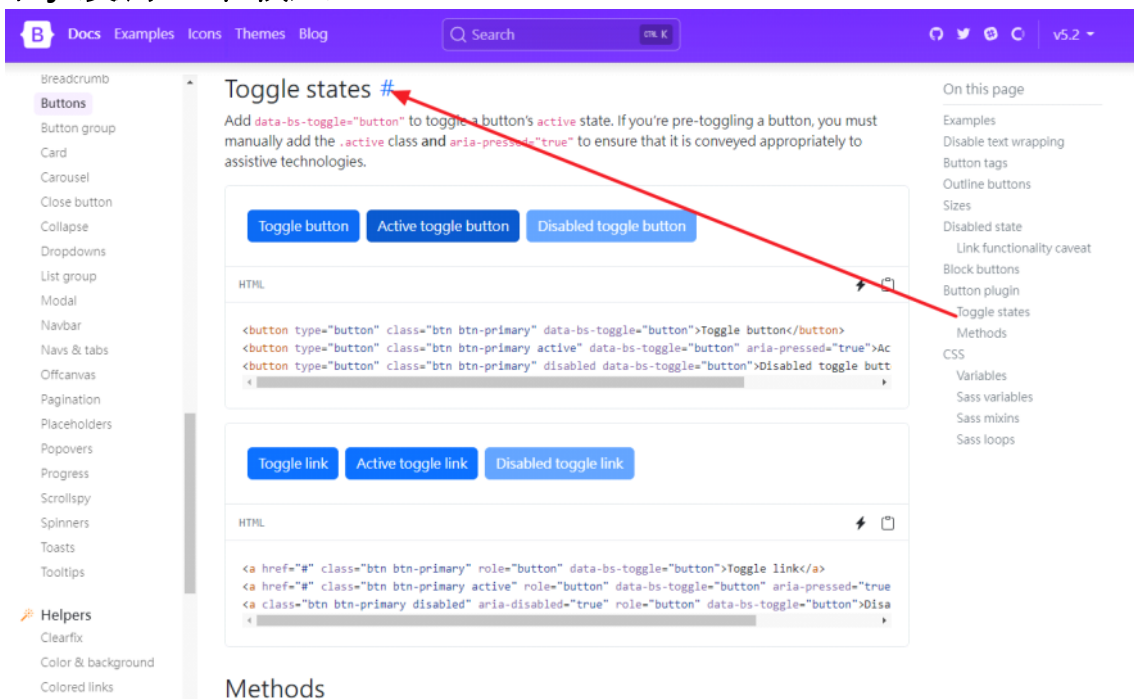
1 <!doctype html>
2 <html lang="zh-TW">
3 <head>
4   <meta charset="utf-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1">
6   <title>Bootstrap demo</title>
7   <!-- <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css" rel="stylesheet"
8     integrity="sha384-gH2yIJqKdNHPEq0n4Mqqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHN1/vI1Bx"
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-A3rJD856KowSb7dw1ZdYEk039Gagi7vIsF0jrRaoQmDKKtQ8HUUlZ9AsSv4jD4Xa"
24     crossorigin="anonymous"></script>
25 </body>
26 </html>

```

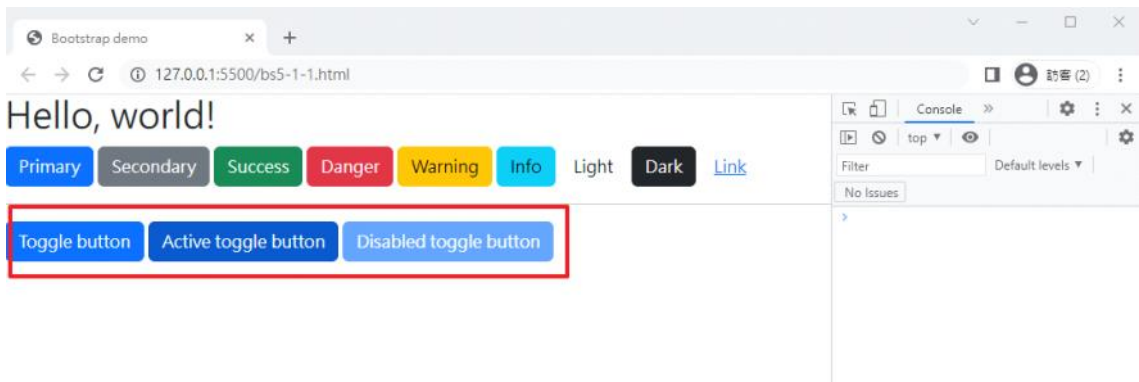
可觀察出相關的顏色已消失



若js沒有正確載入



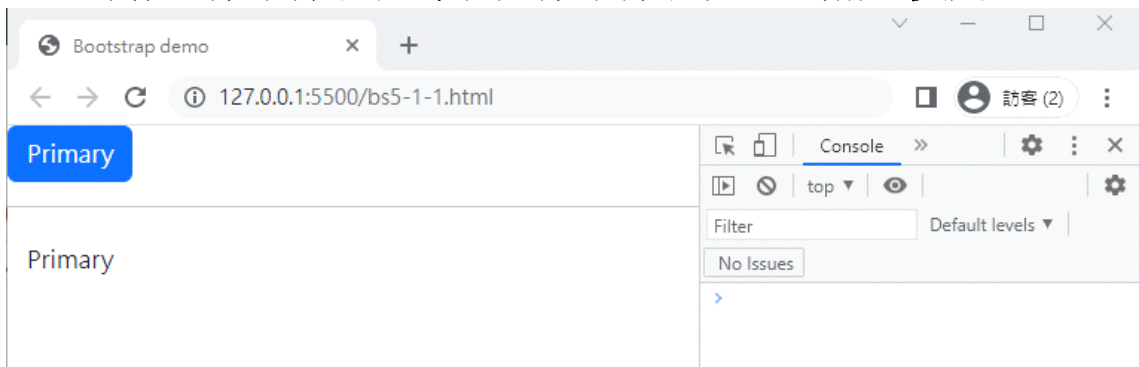
觀察按鈕變化, 狀態無法保留



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-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvAphHn1/vI18x" 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-A3rJD856KowSb7dwlZdYEk039Gagi7vIsF0jrRAoQmDkKtQBHUuLZ9AsSv4jD4Xa"
    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 5.2.0 Docs Examples Icons Themes Blog

Search

Components

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

On this page

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

Here's an example of all the sub-components included in a responsive light-themed navbar that automatically collapses at the lg (large) breakpoint.

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="#navbar5">
      <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">
```

並選擇相關配色

Bootstrap 5.2.0 Docs Examples Icons Themes Blog

Search

Components

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- Badge
- Breadcrumb
- Buttons
- Button group
- Card
- Carousel
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On this page

- How it works
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- Offcanvas
- CSS
 - Variables
 - Sass variables
 - Sass loop

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

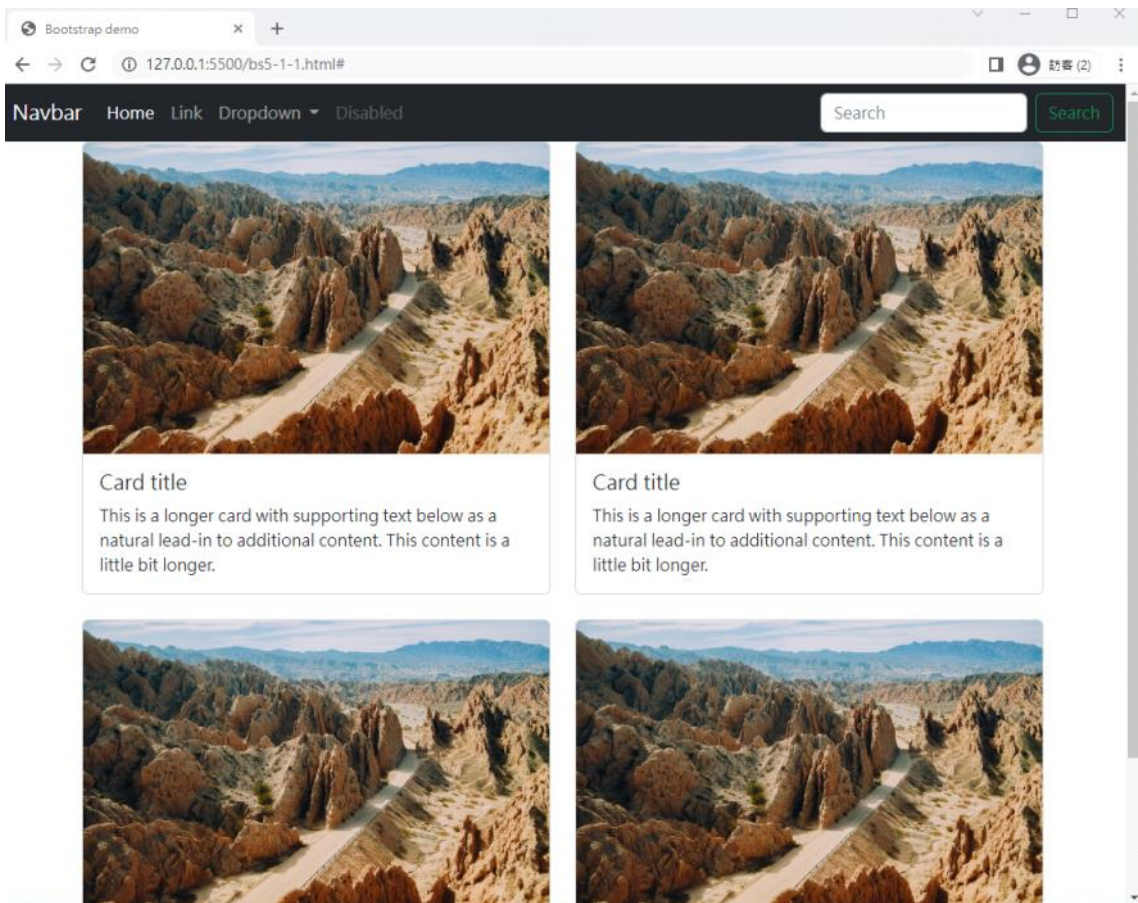
```
<nav class="navbar navbar-dark bg-dark">
  <!-- Navbar content -->
</nav>
```



```

<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

Q Search

me 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

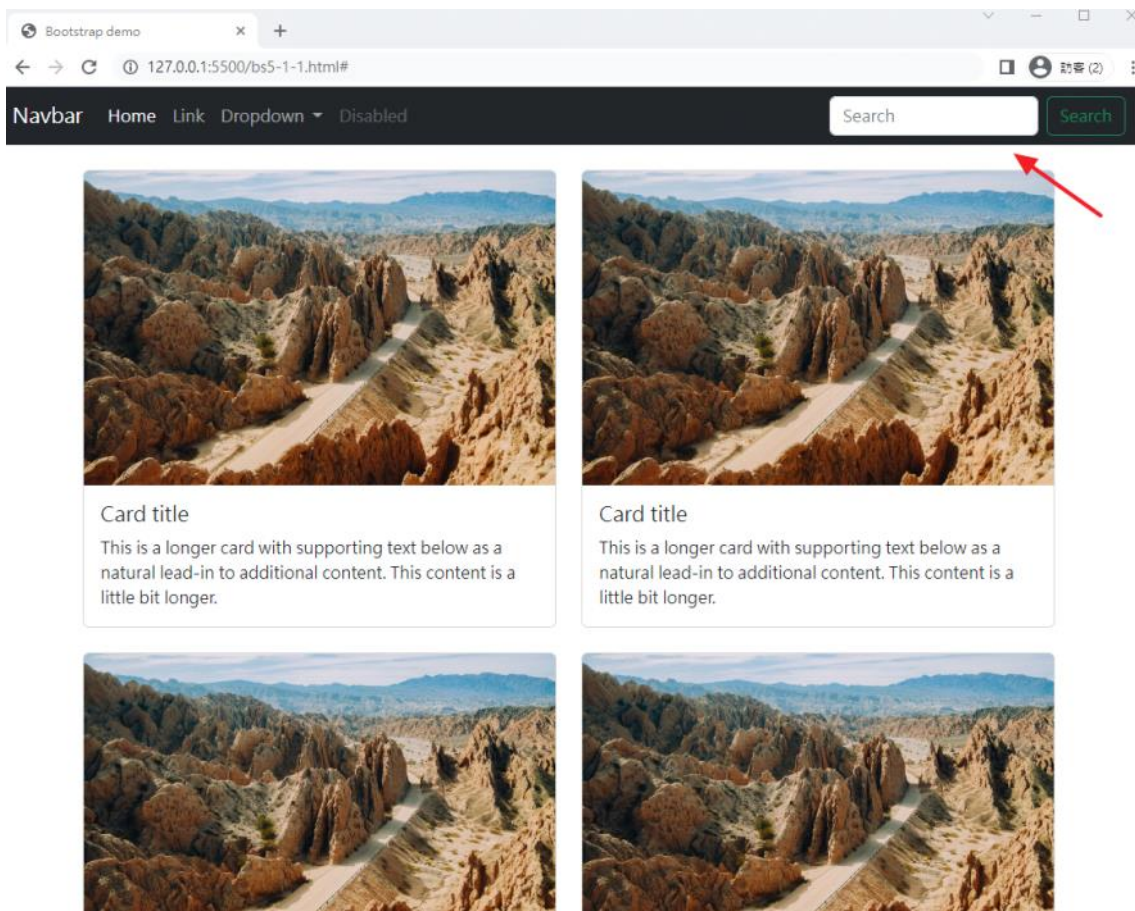
Utilities API

```

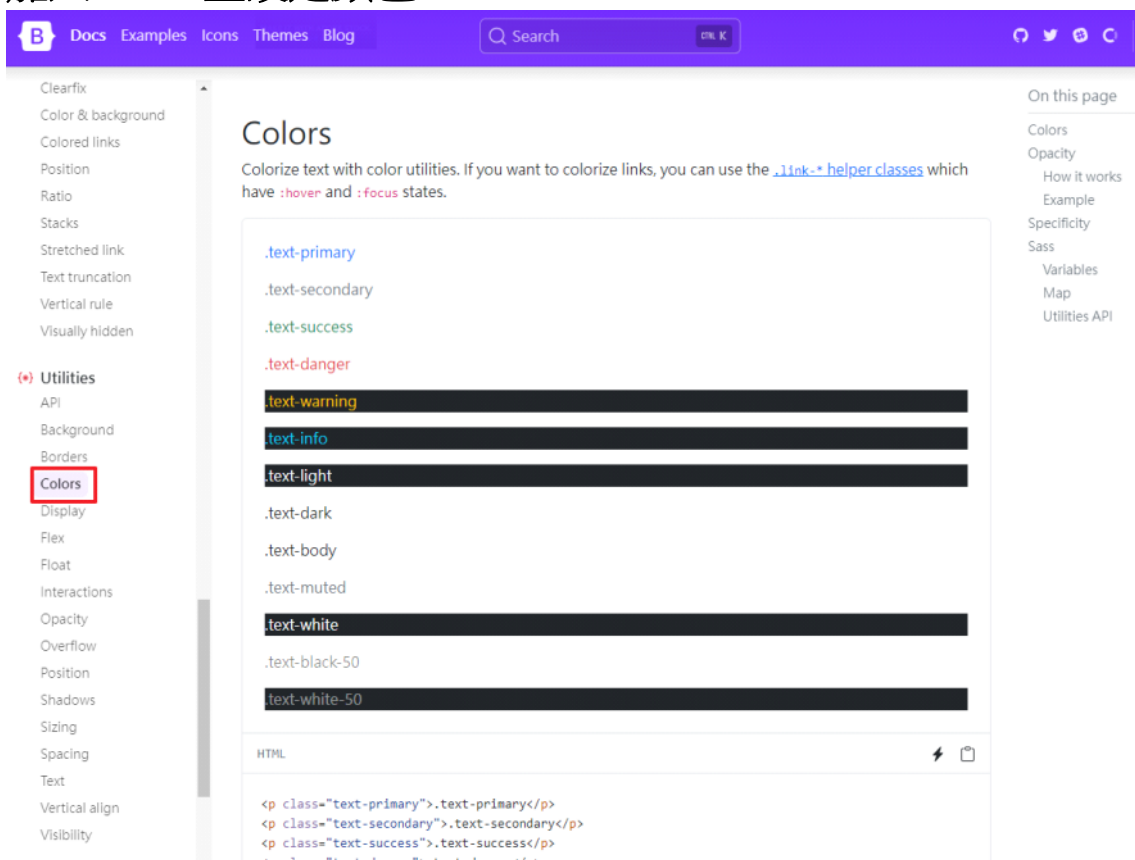
<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container-fluid"> ...
  </div>
</nav>
<div class="container my-4">
  <div class="row row-cols-1 row-cols-md-2 g-4"> ...
</div>
<!-- <script src="https://cdn.jsdelivr.net/npm/bootstrap@5
integrity="sha384-A3rJD856KowSb7dwLZdYEk039Gagi7vIsF0j
crossorigin="anonymous"></script> -->
</body>

```

Bootstrap5 第 9 頁



加入footer並設定顏色



```

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

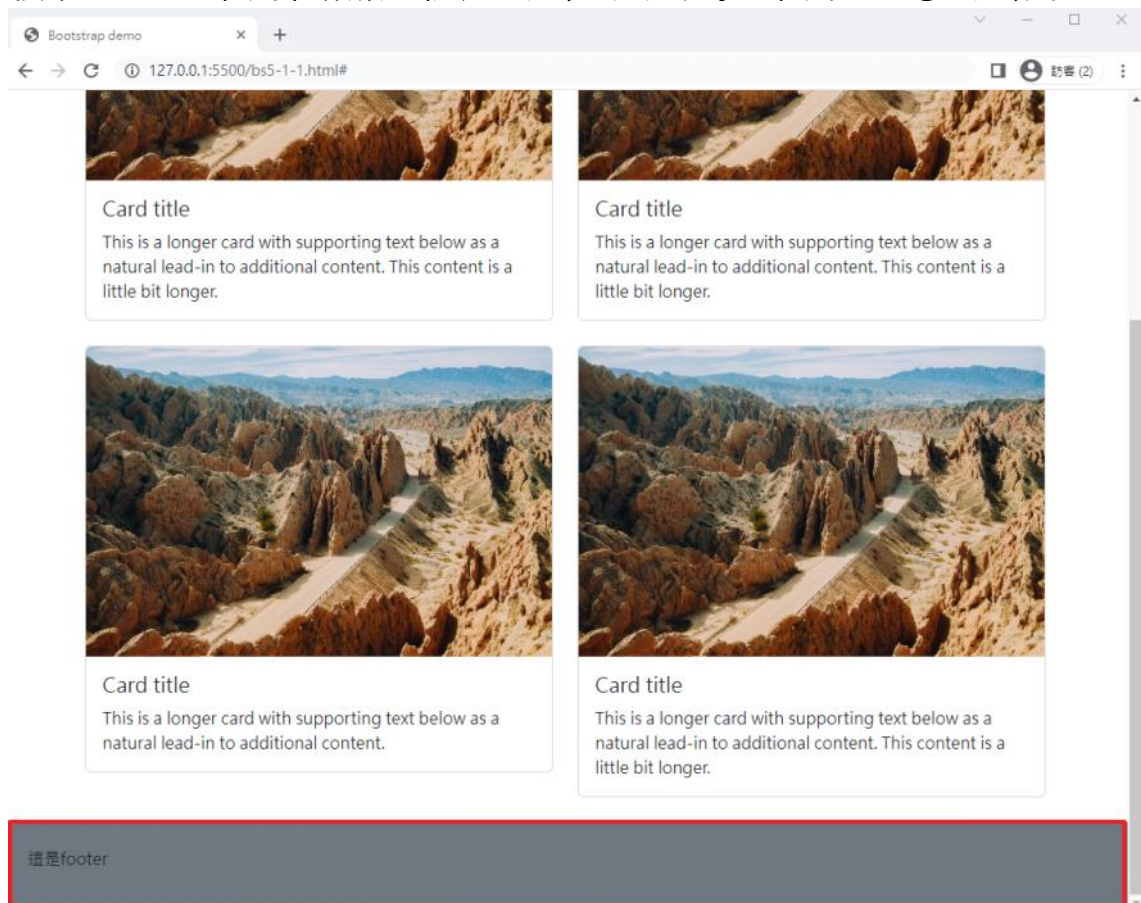
<div class="container my-4">...
</div>

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

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

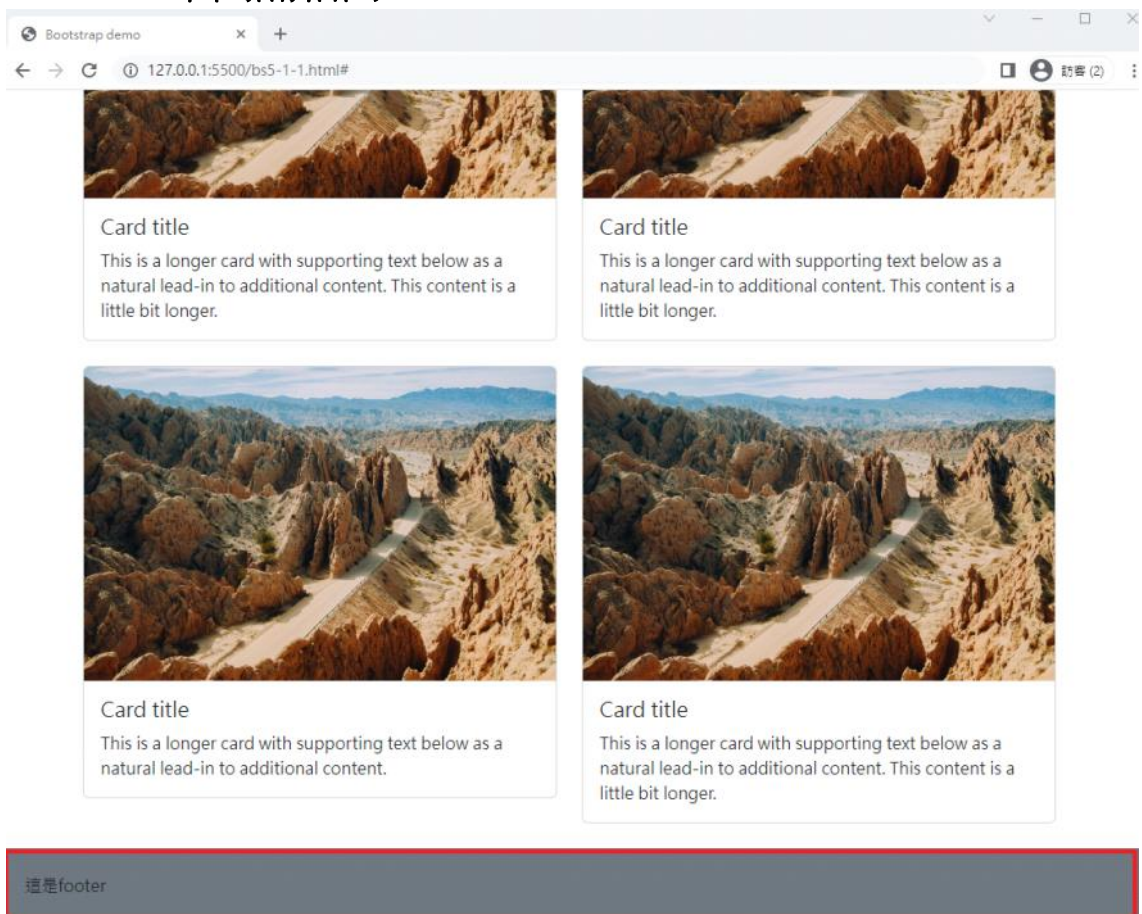
  <div class="container my-4"> ...
</div>

  <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-A3rJD856KowSb7dwLZdYEk039Gagi7vIsF0ji
        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-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrR
    crossorigin="anonymous"></script> -->
</body>

```

