

# Flexbox application

# Webpage with flexbox

- 目標



navItem01

navItem02

navItem03

navItem04

## 群組1

群組1subgroup01  
群組1subgroup02  
群組1subgroup03  
群組1subgroup04  
群組1subgroup05

## 群組2

群組2subgroup01  
群組2subgroup02  
群組2subgroup03  
群組2subgroup04  
群組2subgroup05

## 群組3

群組3subgroup01  
群組3subgroup02  
群組3subgroup03  
群組3subgroup04  
群組3subgroup05

# 基本結構

- 建立以下結構

```
<!-- 基本結構 -->
<div class="container">
    <!-- 頁首 -->
    <div class="header"></div>
    <!-- 導覽列 -->
    <div class="nav"></div>
    <!-- 內容 -->
    <div class="article"></div>
    <!-- 頁尾 -->
    <div class="footer">上課教學使用<br>若有侵權，請來信通知。</div>
</div>
```

- nav

```
<!-- 導覽列 -->
<div class="nav">
    <div class="navItem">navItem01</div>
    <div class="navItem">navItem02</div>
    <div class="navItem">navItem03</div>
    <div class="navItem">navItem04</div>
</div>
```

- article

```
<div class="article">
  <div class="group">
    <div class="subName">群組1</div>
    <div class="subGroup">
      <div class="subItem">群組1subgroup01</div>
      <div class="subItem">群組1subgroup02</div>
      <div class="subItem">群組1subgroup03</div>
      <div class="subItem">群組1subgroup04</div>
      <div class="subItem">群組1subgroup05</div>
    </div>
    <div class="subName">群組2</div>
    <div class="subGroup">
      <div class="subItem">群組2subgroup01</div>
      <div class="subItem">群組2subgroup02</div>
      <div class="subItem">群組2subgroup03</div>
      <div class="subItem">群組2subgroup04</div>
      <div class="subItem">群組2subgroup05</div>
    </div>
    <div class="subName">群組3</div>
    <div class="subGroup">
      <div class="subItem">群組3subgroup01</div>
      <div class="subItem">群組3subgroup02</div>
      <div class="subItem">群組3subgroup03</div>
      <div class="subItem">群組3subgroup04</div>
      <div class="subItem">群組3subgroup05</div>
    </div>
  </div>
</div>
```

# CSS設定

- Container: 使用flex佈局

```
.container{  
    display: flex;  
    flex-direction: column;  
}
```

- 幫頁首放上圖片

```
.header {  
    background-image: url('../media/img/background-biker-clouds-207171.jpg');  
    background-size: cover;  
    background-position: center;  
    width: 100%;  
    height: 30vh;  
}
```



navItem01  
navItem02  
navItem03  
navItem04  
群組1  
群組1subgroup01  
群組1subgroup02  
群組1subgroup03  
群組1subgroup04  
群組1subgroup05  
群組2  
群組2subgroup01  
群組2subgroup02  
群組2subgroup03  
群組2subgroup04  
群組2subgroup05  
群組3  
群組3subgroup01  
群組3subgroup02  
群組3subgroup03  
群組3subgroup04  
群組3subgroup05  
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# CSS設定-導覽列

```
.navItem {  
    background: #lightskyblue;  
    border: 1px solid #lightskyblue;  
    padding: 5px;  
    text-align: center;  
    color: black;  
    font-size: 1.3rem;  
}
```



navItem01

navItem02

navItem03

navItem04

群組1

群組1subgroup01

群組1subgroup02

群組1subgroup03

群組1subgroup04

群組1subgroup05

群組2

群組2subgroup01

群組2subgroup02

群組2subgroup03

群組2subgroup04

群組2subgroup05

群組3

群組3subgroup01

群組3subgroup02

群組3subgroup03

群組3subgroup04

群組3subgroup05

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# CSS設定-導覽列

- 套用flex

```
.nav {  
    display: flex;  
    justify-content: space-around;  
}
```

```
.navItem {  
    background: #lightblue;  
    border: 1px solid #lightblue;  
    padding: 5px;  
    text-align: center;  
    color: black;  
    font-size: 1.3rem;  
    flex-basis: 100%;  
}
```



navItem01

navItem02

navItem03

navItem04

群組1

群組1subgroup01

群組1subgroup02

群組1subgroup03

群組1subgroup04

群組1subgroup05

群組2

群組2subgroup01

群組2subgroup02

群組2subgroup03

群組2subgroup04

群組2subgroup05

群組3

群組3subgroup01

群組3subgroup02

群組3subgroup03

群組3subgroup04

群組3subgroup05

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# CSS設定-內容與頁尾

- 內容

```
.article {  
    background: #lightgray;  
}  
.subName {  
    background: #black;  
    color: #white;  
    padding: 10px;  
    font-size: xx-large;  
}  
.subGroup {  
    padding: 10px;  
}
```

- 頁尾

```
.footer {  
    background: #tomato;  
    padding: 20px;  
    text-align: center;  
}
```



# 畫面滾動時導覽列保持不變

```
.nav {  
  display: flex;  
  justify-content: space-around;  
  position: sticky;  
  top: 0;  
}
```



- 頁尾始終顯示在畫面下方同樣做法

# 稍微調整一下版面大小

```
.container{  
    display: flex;  
    flex-direction: column;  
    width: 70%;  
    margin: 0 auto;  
}
```



navItem01      navItem02      navItem03      navItem04

## 群組1

群組1subgroup01  
群組1subgroup02  
群組1subgroup03  
群組1subgroup04  
群組1subgroup05

## 群組2

群組2subgroup01  
群組2subgroup02  
群組2subgroup03  
群組2subgroup04  
群組2subgroup05

## 群組3

群組3subgroup01  
群組3subgroup02  
群組3subgroup03  
群組3subgroup04  
群組3subgroup05

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# Application of Flex + position

# Set navi fixed



# Navi fixed top 0

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Document</title>
6   <style>
7     .nav {
8       position: fixed;
9       top: 0;
10    }
11
12    * {
13      font-family: '微軟正黑體';
14    }
15
16    .header {
17      height: 300px;
18      background: url('
.../media/img/ba
```





# position: sticky top:0

```
4 <meta charset="UTF-8">
5 <title>Document</title>
6 <style>
7   .nav {
8     position: sticky;
9     top: 0;
10    }
11
12   * {
13     font-family: '微軟正黑體';
14   }
15   .header {
16     height: 300px;
17     background: url('
18   
```

The screenshot shows a web page with a header section at the top. The header has a height of 300px and a background image. Overlaid on the header is a navigation bar with the class ".nav". The ".nav" element uses the CSS properties "position: sticky" and "top: 0" to make it stick to the top of the page as the user scrolls down. The navigation bar contains links for Home, Introduction, About me, and Contact. The rest of the page content is placeholder text ("Lorem ipsum dolor sit amet, consectetur adipisicing elit...").

[Home](#)

[Introduction](#)

[About me](#)

[Contact](#)

## 北部

台北市  
新北市  
桃園市  
新竹縣  
新竹市

## 中部

苗栗縣  
苗栗市  
台中縣  
台中市  
彰化縣

## 南部

雲林縣  
嘉義縣  
嘉義市  
台南縣  
臺南市  
高雄縣

[Home](#)

[Introduction](#)

[About me](#)

[Contact](#)

# 任務1:製作畫廊清單

# Flex application

學習製作簡易圖片展覽  
點選下面圖片

2017Bentley01 2017Bentley02 2017Bentley03 2017Bentley03

學習製作簡易圖片展覽  
點選下面圖片

2017Bentley01 2017Bentley02 2017Bentley03 2017Bentley03

BENTLEY Bentley Edison EdisonBentley.com

2017Bentley01 2017Bentley02 2017Bentley03 2017Bentley03

學習製作簡易圖片展覽  
點選下面圖片

2017Bentley01 2017Bentley02 2017Bentley03 2017Bentley03

2017Bentley01 2017Bentley02 2017Bentley03 2017Bentley03



# 目標：整合至版面



navItem01 navItem02 navItem03 navItem04

群組1

群組1subgroup01	群組1subgroup02	群組1subgroup03	群組1subgroup04	群組1subgroup05

群組2

群組2subgroup01  
群組2subgroup02  
群組2subgroup03  
群組2subgroup04  
群組2subgroup05

群組3

群組3subgroup01

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navItem01 navItem02 navItem03 navItem04

群組1

群組1subgroup01	群組1subgroup02	群組1subgroup03	群組1subgroup04	群組1subgroup05

群組2

群組2subgroup01  
群組2subgroup02  
群組2subgroup03  
群組2subgroup04  
群組2subgroup05

群組3

群組3subgroup01  
群組3subgroup02  
群組3subgroup03  
群組3subgroup04  
群組3subgroup05

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# 在群組1新增5張img圖片

```
<div class="subItem">群組1subgroup01
    
</div>
<div class="subItem">群組1subgroup02
    
</div>
<div class="subItem">群組1subgroup03
    
</div>
<div class="subItem">群組1subgroup04
    
</div>
<div class="subItem">群組1subgroup05
    
</div>
```



# 練習

- 將圖片放置flex排版中



navItem01      navItem02      navItem03      navItem04

### 群組1

群組1subgroup01	群組1subgroup02	群組1subgroup03	群組1subgroup04	群組1subgroup05
				

### 群組2

群組2subgroup01  
群組2subgroup02  
群組2subgroup03  
群組2subgroup04  
群組2subgroup05

### 群組3

群組3subgroup01  
群組3subgroup02  
群組3subgroup03  
群組3subgroup04  
群組3subgroup05

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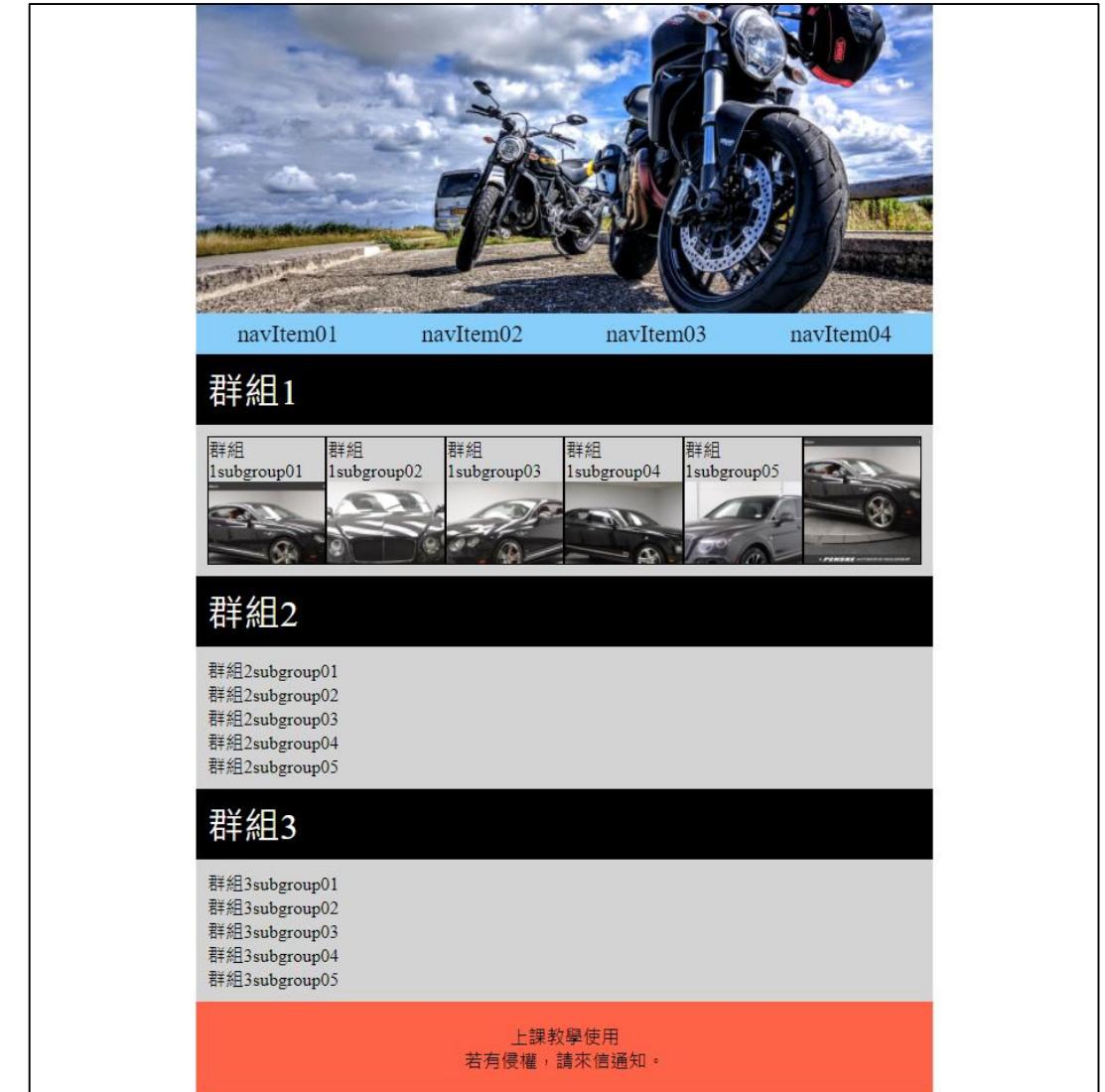
# 新增第六個div作為要顯示的區塊

- 新增

```
<div class="subItem">群組1subgroup05
|   
</div>
<div class="subItem gallery">
...
</div>
```

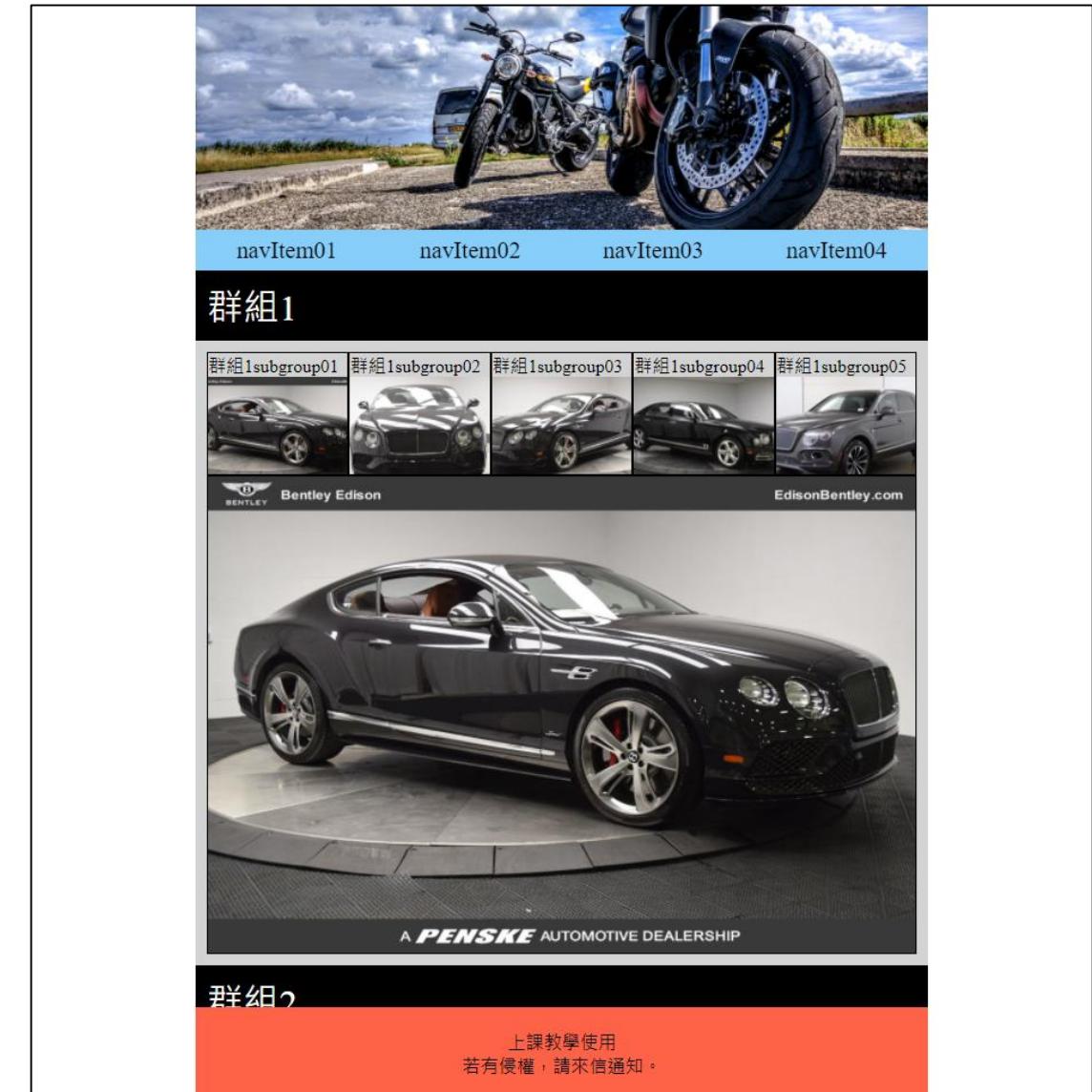
- 註解

```
/* .subItem {
    margin: 5px;
} */
```



# 練習

- 將最後一張圖調整至右圖



# 點擊小圖顯示在第六個div

- 示範第1和第2張圖

```
let imgs = document.getElementsByTagName('img');
let showImg = document.getElementById('showImg');
imgs[0].addEventListener('click', function(){
    showImg.src = this.src;
});
imgs[1].addEventListener('click', function(){
    showImg.src = this.src;
});
```



The image shows a black motorcycle, possibly a Ducati, parked on a paved road. The background features a blue sky with white and grey clouds. In the distance, there's some greenery and a few other vehicles, including a white car and a bus.

navItem01 navItem02 navItem03 navItem04

群組1

群組1subgroup01	群組1subgroup02	群組1subgroup03	群組1subgroup04	群組1subgroup05	
---------------	---------------	---------------	---------------	---------------	---

群組2

群組2subgroup01  
群組2subgroup02  
群組2subgroup03  
群組2subgroup04  
群組2subgroup05

群組3

群組3subgroup01  
群組3subgroup02  
群組3subgroup03  
群組3subgroup04  
群組3subgroup05

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# 學習任務

- 1. 製作一個畫廊，每張小圖照片寬高一樣。
- 2. 將原本的第6個div設計成一個可以顯示大圖的區塊。
- 3. 點擊每張小圖可以在下方顯示大圖。

