

# (60%) 靜態網頁小考 -- 斷網考試

2024-11-14, at E201

## Note:

1. 請不要發揮同學愛，作弊雙方除了本次考試 0 分外，平常分數另扣 20 分，情節嚴重者會送校。
2. iClass 上請繳交 mid1\_xx.pdf，還有 mid1\_xx.zip 兩個檔案。
3. 請直接將答案寫在 mid1\_xx.md 上，老師出題及圖片放在 mid1\_htc.pdf 上，請依照老師所給的圖片來實作並標註
4. 跟期中考相關的檔案及目錄名稱有 xx 時，必須要改成學號後 2 碼，沒有修改時，會視違犯情況扣分。
5. 每一張圖片要有機房左側背景，圖片上要有你的學號(或後兩碼)，圖片標註要跟老師所標註的類似。違者會依情節扣分。
6. 請自評分數，將每一題的？填入分數，沒有填者，不會批改，以 0 分計算。

Your (Name, ID): (許勝翔, 213410243)

## 題目及配分

- P1 (10%): 100 分
- P2 (20%): 100 分
- P3 (20%): 100 分
- P4 (10%): 100 分

總分: 100 分

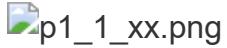
## (10%) P1: 請根據老師所提供的 p1\_xx.html, p1\_xx.css 修改之，加入第四個色系，並完成下圖。請依下面步驟一一將之完成。

取圖片的順序，從你的學號最後一碼，往下取兩張圖片，如果走到底，再從頭開始取，學號最後一碼最後一碼為 0 者，直接從 1 取。在 title 前加入所取圖片最後一個數字。

本題老師採用學號最後一碼是 7 來顯示，每個同學有可能不同，請注意。

第四個色系變數資料如下

```
: root {  
  --card-4-color: #7c6a40;  
  --card-4-background: #e8e4db;  
  --card-4-border: 2px solid #8a8578;  
}
```



## Your Answer

=> Chrome 顯示

The screenshot shows a web application running on a local server at `127.0.0.1:5500/mid1_43/p1_43/p1_43.html`. The page features a header with the text "VICTOR HSU, 213410243". Below the header is a grid of 8 cards, each containing a small image and a "Sign In" button. The cards are labeled 3-First Card, 4-Second Card, 5-Third Card, 6-Fourth Card, 7-Fifth Card, 8-Sixth Card, 9-Seventh Card, and 1-Eighth Card. The developer tools in Chrome are open, highlighting the CSS rule `grid-template-columns: repeat(4, 1fr);` for the class `.cards-center`.

## => p1\_43.html 相關修改過的 code 重點截圖

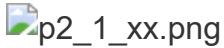
```
mid1_43 > p1_43 > p1_43.html > html > body > p.author
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8" />
5      <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7      <title>p1_43</title>
8      <link rel="stylesheet" href="./p1_43.css" />
9  </head>
10 <body>
11     <p class="author">VICTOR HSU, 213410243</p>
12     <div class="cards">
13         <div class="cards-center">
14             <div class="card card-1">
15                 
16                 <h2>3-First Card</h2>
17                 <p>
18                     Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima,
19                     quae!
20                 </p>
21                 <button class="btn btn-1">sign in</button>
22             </div>
23             <div class="card card-2">
24                 
25                 <h2>4-Second Card</h2>
26                 <p>
27                     Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima,
28                     quae!
29                 </p>
30                 <button class="btn btn-2">sign in</button>
31             </div>
32             <div class="card card-3">
33                 
34                 <h2>5-Third Card</h2>
35                 <p>
36                     Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima,
37                     quae!
38             </div>
39         </div>
40     </div>
41 
```

## => p1\_43.css 相關修改過的 code 重點截圖

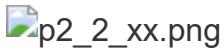
```
mid1_43 > p1_43 > p1_43.css > root
47 .card {
48     max-width: 300px;
49     margin: 0.5rem;
50     border-radius: 0.5rem;
51     border: 1px solid transparent;
52 }
53 .author {
54     background: #aaa;
55     color: #000;
56     font-size: 1.5rem;
57     padding: 10px 0 10px 10px;
58     text-align: center;
59 }
60 .card-1 {
61     border-color: var(--card-1-border);
62 }
63 .card-2 {
64     border-color: var(--card-2-border);
65 }
66 .card-3 {
67     border-color: var(--card-3-border);
68 }
69 .card-4 {
70     border-color: var(--card-4-border);
71 }
72 .card-5 {
73     border-color: var(--card-5-border);
74 }
75 .card-6 {
76     border-color: var(--card-6-border);
77 }
78 .card-7 {
79     border-color: var(--card-7-border);
80 }
81 .btn {
82     text-transform: capitalize;
83     padding: 0.5rem 1rem;
84     border: transparent;
85     border-radius: 0.5rem;
86     letter-spacing: 2px;
87 }
88 .btn-1 {
89     color: var(--card-1-color);
90     background: var(--card-1-background);
91     border: 1px solid var(--card-1-color);
92 }
93 .btn-2 {
94     color: var(--card-2-color);
95     background: var(--card-2-background);
96     border: 1px solid var(--card-2-color);
97 }
98 .btn-3 {
99     color: var(--card-3-color);
100    background: var(--card-3-background);
101    border: 1px solid var(--card-3-color);
102 }
103 .btn-4 {
104     color: var(--card-4-color);
105     background: var(--card-4-background);
106     border: 1px solid var(--card-4-color);
107 }
108 .img {
109     width: 100%;
```

## (20%) P2: 請用老師提供的 p2\_43.html 及 p2\_43.css，修改之提供下列響應式的輸出

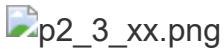
=> 當螢幕寬度介於 640px~767px，一行顯示 2 張卡片



=> 當螢幕寬度介於 768px~1023px，一行顯示 3 張卡片



=> 當螢幕寬度介於 1024px~1279px，一行顯示 4 張卡片



=> 當螢幕寬度介於 1280px~1534px，一行顯示 5 張卡片



## Your Answer

=> 當螢幕寬度介於 640px~767px，一行顯示 2 張卡片

The screenshot shows a browser window with the URL `127.0.0.1:5500/mid1.43/p2_43/p2_43.html`. The developer tools are open, specifically the Elements tab. A red box highlights the browser's address bar and the responsive width dropdown set to 640px. The page content displays a grid of 2 cards per row. The CSS panel on the right shows the following code:

```
<!DOCTYPE html>
<html lang="en"> <scroll>
  <head> ...
    <body>
      <div class="p2-container"> <flex>
        <p class="author">VICTOR HSU, 213410243</p>
        <div class="image-container" style="grid: <grid></grid>">
          
          
        </div>
      </div>
    </body>
  </html>
  <!-- Code injected by live-server -->
  <script> ... </script>

```

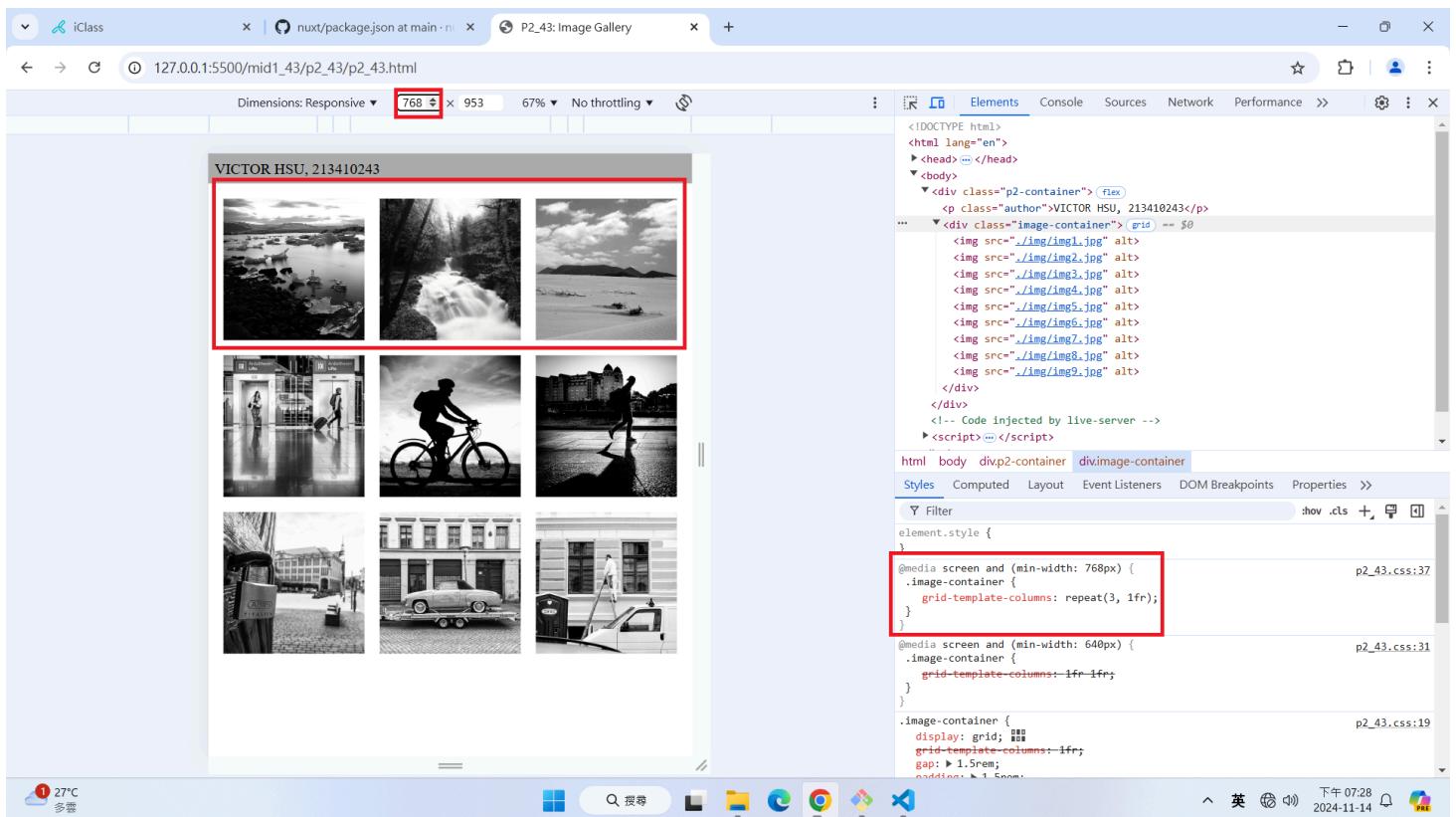
A red box highlights the media query and its styling in the CSS panel:

```
@media screen and (min-width: 640px) {
  .image-container {
    grid-template-columns: 1fr 1fr;
  }
}
```

The CSS panel also shows other styles from `p2_43.css`:

```
.image-container {
  display: grid;
  grid-template-columns: 1fr 1fr;
  gap: 1.5rem;
  padding: 1.5rem;
}
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}
```

=> 當螢幕寬度介於 768px~1023px，一行顯示 3 張卡片



The screenshot shows a browser window with the URL `127.0.0.1:5500/mid1_43/p2_43/p2_43.html`. The page displays a grid of nine black and white photographs arranged in three rows of three. The top row is highlighted with a red box. The browser's developer tools are open, specifically the Elements tab, showing the HTML structure and CSS styles. In the CSS pane, a media query for a screen width of 768px is selected, which defines a grid with three columns of 1fr each. Other media queries for 640px and 1024px widths are also present.

```
<!DOCTYPE html>
<html lang="en">
  <head>::</head>
  <body>
    <div class="p2-container">flex
      <p class="author">VICTOR HSU, 213410243</p>
      <div class="image-container">grid == $0
        
        
        
        
        
        
        
        
        
      </div>
    </div>
    <!-- Code injected by live-server -->
    <script>::</script>
  </body>
</html>
```

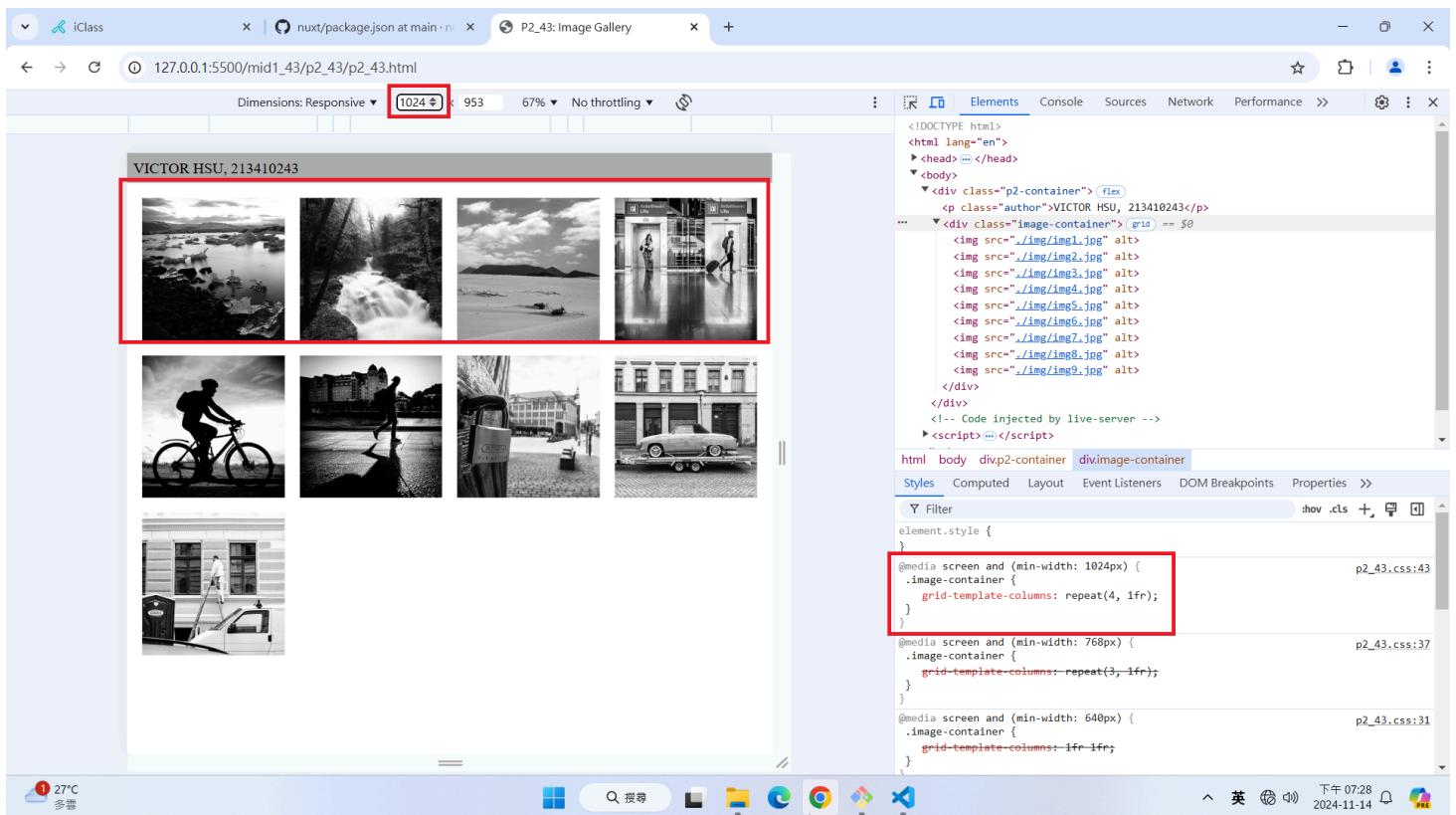
```
html body div.p2-container div.image-container
Styles Computed Layout Event Listeners DOM Breakpoints Properties >
Y Filter
element.style {
```

```
@media screen and (min-width: 768px) {
  .image-container {
    grid-template-columns: repeat(3, 1fr);
  }
}
```

```
@media screen and (min-width: 640px) {
  .image-container {
    grid-template-columns: 1fr 1fr;
  }
}

.image-container {
  display: grid;
  grid-template-columns: 1fr;
  gap: 1.5rem;
  padding: 1.5rem;
}
```

=> 當螢幕寬度介於 1024px~1279px，一行顯示 4 張卡片



The screenshot shows a browser window with the URL `127.0.0.1:5500/mid1_43/p2_43/p2_43.html`. The page displays a grid of nine black and white photographs arranged in three rows of three. The top row is highlighted with a red box. The browser's developer tools are open, showing the HTML structure and CSS styles. In the CSS pane, a media query for a screen width of 1024px is selected, which defines a grid with four columns of 1fr each. Other media queries for 768px and 640px widths are also present.

```
<!DOCTYPE html>
<html lang="en">
  <head>::</head>
  <body>
    <div class="p2-container">flex
      <p class="author">VICTOR HSU, 213410243</p>
      <div class="image-container">grid == $0
        
        
        
        
        
        
        
        
        
      </div>
    </div>
    <!-- Code injected by live-server -->
    <script>::</script>
  </body>
</html>
```

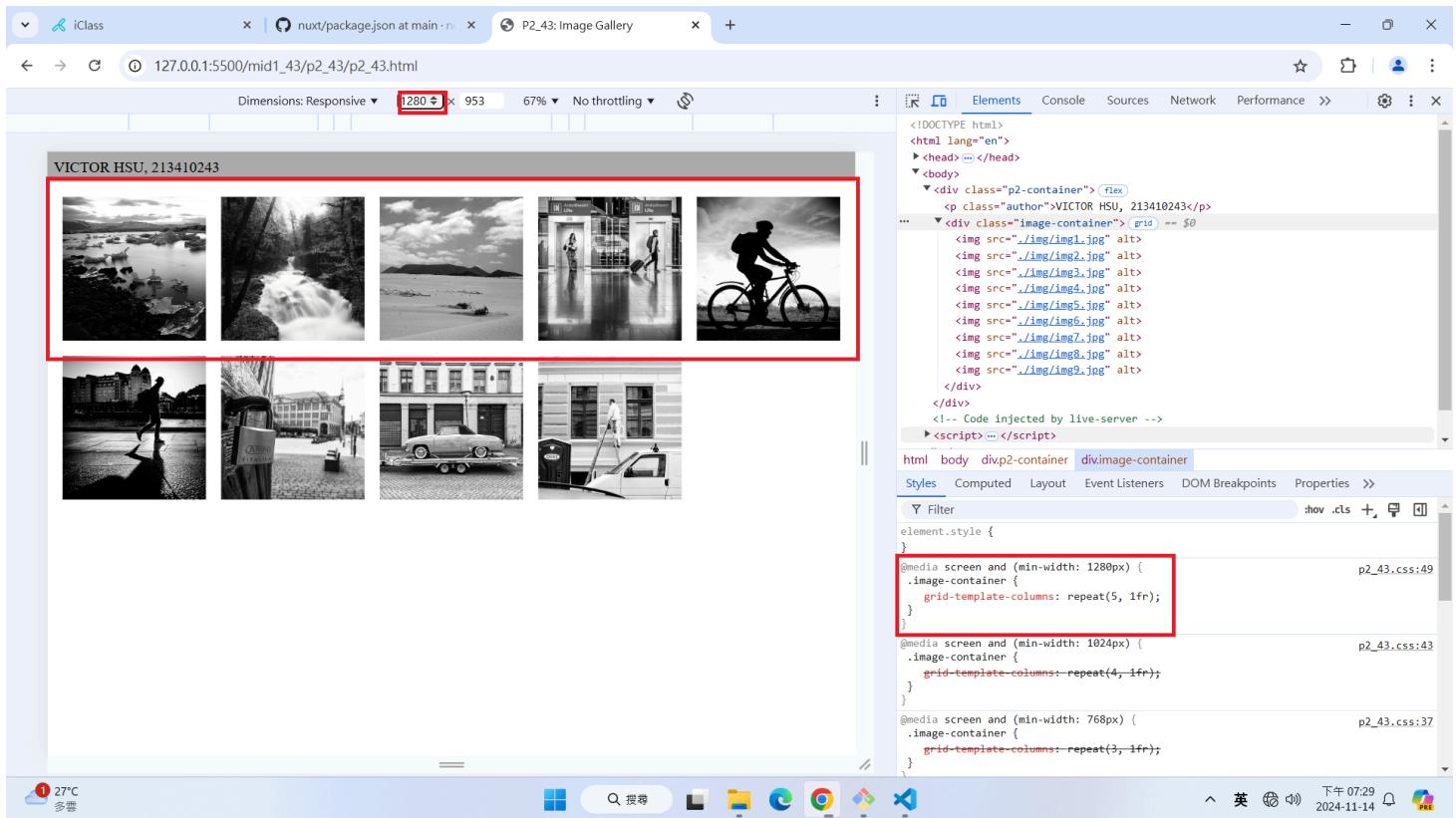
```
html body div.p2-container div.image-container
Styles Computed Layout Event Listeners DOM Breakpoints Properties >
Y Filter
element.style {
```

```
@media screen and (min-width: 1024px) {
  .image-container {
    grid-template-columns: repeat(4, 1fr);
  }
}

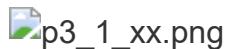
@media screen and (min-width: 768px) {
  .image-container {
    grid-template-columns: repeat(3, 1fr);
  }
}

.image-container {
  display: grid;
  grid-template-columns: 1fr 1fr;
  gap: 1.5rem;
}
```

=> 當螢幕寬度介於 1280px~1534px，一行顯示 5 張卡片



(20%) P3: 請根據老師提供的 p3\_43.html, p3\_43.css 修改之，以完成下圖。



# Your Answer

=> Chrome 顯示

The screenshot shows a web browser displaying a grid of furniture items. The grid is organized into four columns and three rows. Each item has a small image, a name, and a price. The browser's developer tools are open, specifically the Elements tab, which shows the HTML structure and the corresponding CSS styles applied to the elements. A red box highlights a specific line of CSS code within the .products-container style block.

```
<!DOCTYPE html>
<html lang="en"> (scroll)
  <head> ...
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>p3_43</title>
    <link rel="stylesheet" href="p3_43.css" />
  </head>
  <body>
    <div style="text-align: center; font-size: 18px"></div>
    <div class="products-container"> grid = $0
      <div class="single-product"> ... </div>
      <div class="single-product"> ... </div>
    </div>
    <!-- Code injected by live-server -->
    <script> ... </script>
  </body>
</html>
```

```
html body div.products-container
Styles Computed Layout Event Listeners DOM Breakpoints Properties >
element.style {
}
.products-container {
  width: 80vw;
  margin: 5px auto;
  padding: 10px;
  grid-template-columns: repeat(auto-fit, minmax(20rem, 1fr));
  gap: 2.5rem;
  justify-content: center;
  align-items: center;
}
*, ::after, ::before {
  box-sizing: border-box;
}
div {
  display: block;
  user agent stylesheet
  undocode hide, isolate;
```

=> p3\_43.html 相關修改過的 code 重點截圖

The screenshot shows a code editor displaying the p3\_43.html file. Several sections of the code are highlighted with red boxes, indicating modified or important parts. One box highlights the header section, another highlights the main grid container, and others highlight specific product items and their details.

```
File Edit Selection View Go Run Terminal Help < > 1131-1N-mid_stud_43
EXPLORER
1131-1N-MID_STUD_43
  > demo
  > midi_43
    > p1_43
      > images
        p1_43.css
        p1_43.html
    > p2_43
      > img
        p2_43.css
        p2_43.html
    > p3_43
      > images
        p3_43.css
        p3_43.html
        p4_43.css
        p4_43.html
        p4_43.js
    > midi_1_md_43
      midi_1_43.md
      midi_1_htc.pdf
```

```
mid1_43 > p3_43 > p3_43.html > body > div > h2
1   <!DOCTYPE html>
2   <html lang="en">
3     <head>
4       <meta charset="UTF-8" />
5       <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6       <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7       <title>p3_43</title>
8       <link rel="stylesheet" href="p3_43.css" />
9     </head>
10    <body>
11      <div style="text-align: center; font-size: 18px">
12        <h2>Midterm -- VICTOR HSU, 213410243</h2>
13      </div>
14      <div class="products-container">
15        <div class="single-product">
16          <div class="img-wrap">
17            
22          </div>
23          <footer>
24            <h5 class="name">high-back bench</h5>
25            <span class="price">$0.99</span>
26          </footer>
27        </div>
28        <div class="single-product">
29          <div class="img-wrap">
30            
35          </div>
36          <footer>
37            <h5 class="name">albany table</h5>
```

=> p3\_43.css 相關修改過的 code 重點截圖

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a folder structure for "1131-1N-MID STUD\_43" containing subfolders like "demo", "mid1\_43", "p1\_43", "p2\_43", "p3\_43", and files like "mid1\_htc.pdf", "mid1\_43.md", "p1\_43.css", "p1\_43.html", etc.
- Editor:** The main editor area displays the content of the "p3\_43.css" file. The code is as follows:

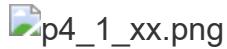
```
1131-1N-mid_stud_43
File Edit Selection View Go Run Terminal Help ← → 1131-1N-mid_stud_43
EXPLORER mid1_htc.pdf mid1_43.md p3_43.css p3_43.html
mid1_43 > p3_43 > p3_43.css
75 Product
76 =====
77 */
78 .products-container {
79   width: 80vw;
80   margin: 5rem auto;
81   display: grid;
82   grid-template-columns: repeat(auto-fit, minmax(20rem, 1fr));
83   gap: 2.5rem;
84   justify-content: center;
85   align-items: center;
86
87   > .single-product {
88     width: 100%;
89     box-shadow: 5px 5px 10px 0px #aaa;
90
91     > .img-wrap {
92       height: 250px;
93
94       > img {
95         width: 100%;
96         height: 100%;
97         object-fit: cover;
98       }
99
100    > footer {
101      height: 100px;
102      display: flex;
103      flex-direction: column;
104      justify-content: center;
105      align-items: center;
106    }
107  }
108
109 }
110
```

The code defines a "Product" class with a grid layout for items. Each item contains an image with a box shadow and a footer section.

**(10%) P4:** 請根據老師提供的 p4\_43.html, p4\_43.css , 修改之，能夠執行前三題 P1~P3

不要修改 html 中之 class 名稱，但需要修改你的名字及學號，需修改 p4\_43.css, p4\_43.js，能夠成功執行 p1\_43.html, p2\_43.html, p3\_43.html，並顯示老師已經設定好的 show-midterm-answer 區塊中。

=> Chrome 顯示 p1\_xx.html 結果



# Your Answer

=> Chrome 顯示 p1\_43.html 結果

The screenshot shows a web browser window with the URL `127.0.0.1:5500/mid1_43/p4_43.html`. The page title is "Midterm -- VICTOR HSU, 213410243". At the top right, there are three buttons labeled "P1\_43", "P2\_43", and "P3\_43", with "P1\_43" highlighted by a red box. Below the title, the text "VICTOR HSU, 213410243" is displayed. The main content consists of a 2x4 grid of cards. Each card contains a small image, a title, some placeholder text, and a "Sign In" button.

Card Number	Image Description	Title	Description	Action
3	Two hands holding cups of coffee with latte art.	3-First Card	Placeholder text: Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!	<a href="#">Sign In</a>
4	A single cup of coffee on a saucer.	4-Second Card	Placeholder text: Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!	<a href="#">Sign In</a>
5	A cup of coffee surrounded by greenery and a note that says "enjoy the little things".	5-Third Card	Placeholder text: Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!	<a href="#">Sign In</a>
6	A city skyline at sunset with a prominent tower.	6-Fourth Card	Placeholder text: Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!	<a href="#">Sign In</a>
7	A sunrise over a mountain range.			
8	A close-up of a tree branch overhanging a body of water.			
9	Abstract rock formations against a cloudy sky.			
10	Cups of coffee with sprigs of rosemary.			

At the bottom left, it shows the weather as 27°C. The bottom right shows the date and time as "下午 07:45 2024-11-14".

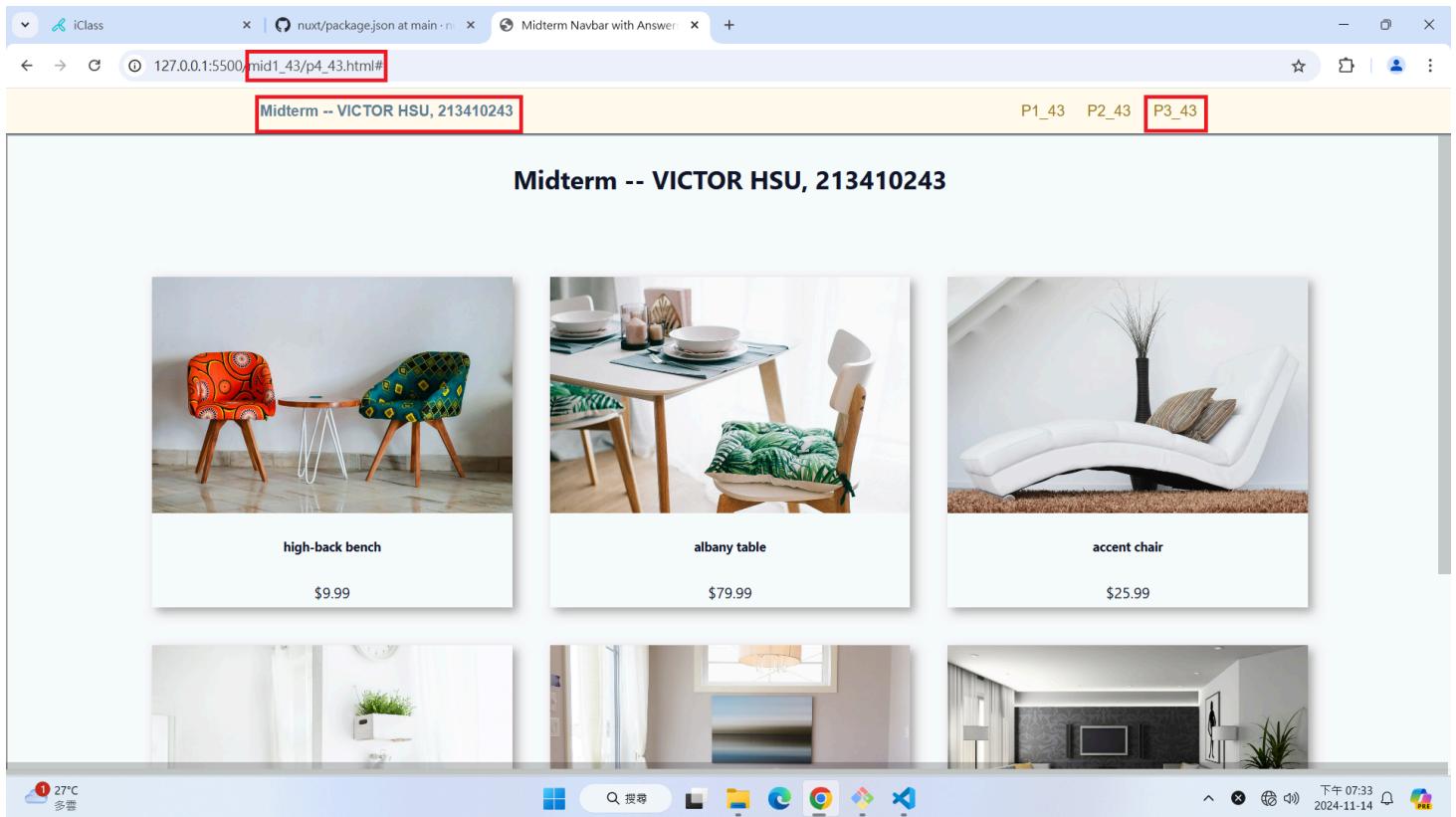
=> Chrome 顯示 p2\_43.html 結果

The screenshot shows a web browser window with the URL `127.0.0.1:5500/mid1_43/p4_43.html`. The page title is "Midterm -- VICTOR HSU, 213410243". At the top right, there are three buttons labeled "P1\_43", "P2\_43", and "P3\_43", with "P2\_43" highlighted by a red box. Below the title, the text "VICTOR HSU, 213410243" is displayed. The main content consists of a 2x5 grid of cards. Each card contains a black and white photograph.

Card Number	Image Description
1	Icebergs floating in a body of water.
2	A waterfall flowing through dense trees.
3	A vast, sandy landscape with distant mountains.
4	Two people standing in an elevator with "Ardaltheoir Lifts" signs.
5	A person riding a bicycle silhouette.
6	A person walking along a waterfront at night.
7	A vintage car parked on a trailer.
8	A person working on a vehicle under a truck.

At the bottom left, it shows the weather as 27°C. The bottom right shows the date and time as "下午 07:45 2024-11-14".

=> Chrome 顯示 p3\_43.html 結果



=> p4\_43.css, p4\_43.js 重點截圖