

(12.5%) 網頁程式設計 期中上機考-2 -- 斷網

2023-11-15, at B218

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。
2. 請繳交 w10_mid2_xx.md, w10_mid2_xx.pdf，還有所有程式壓縮檔 (mid2_xx.zip)。
3. 老師將題目提供在 w10_mid2_xx.md 檔案上，要實作的部分放在 w10_mid2_htc.pdf 上。
4. 每一張圖片要有左側機房背景，圖片標註要跟老師所標註的類似。違者會依情節扣分。
5. 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): (name, id)

請自評每題分數

- P1 (20%): ? 分
- P2 (30%): ? 分
- P3 (20%): ? 分
- P4 (15%): ? 分
- P5 (15%): ? 分
- 總分: ? 分

(20%) P1-1_xx: 請修改老師提供的 p1_xx.html 及 p1_xx.css，產生 8 張圖片，每行 4 張圖片，如下圖

The screenshot shows a web browser window with the URL `127.0.0.1:5500/cards_xx/p1_xx.html`. The page displays a grid of 8 cards. The cards are arranged in two rows of four. The first row contains cards labeled 'First Card' through 'Fourth Card'. The second row contains cards labeled 'Fifth Card' through 'Eighth Card'. Each card has a small image at the top, a title below it, a short description, and a 'Sign In' button at the bottom. A red box highlights the last two cards in the second row. The browser's developer tools are open, showing the DOM structure and CSS styles for the cards.

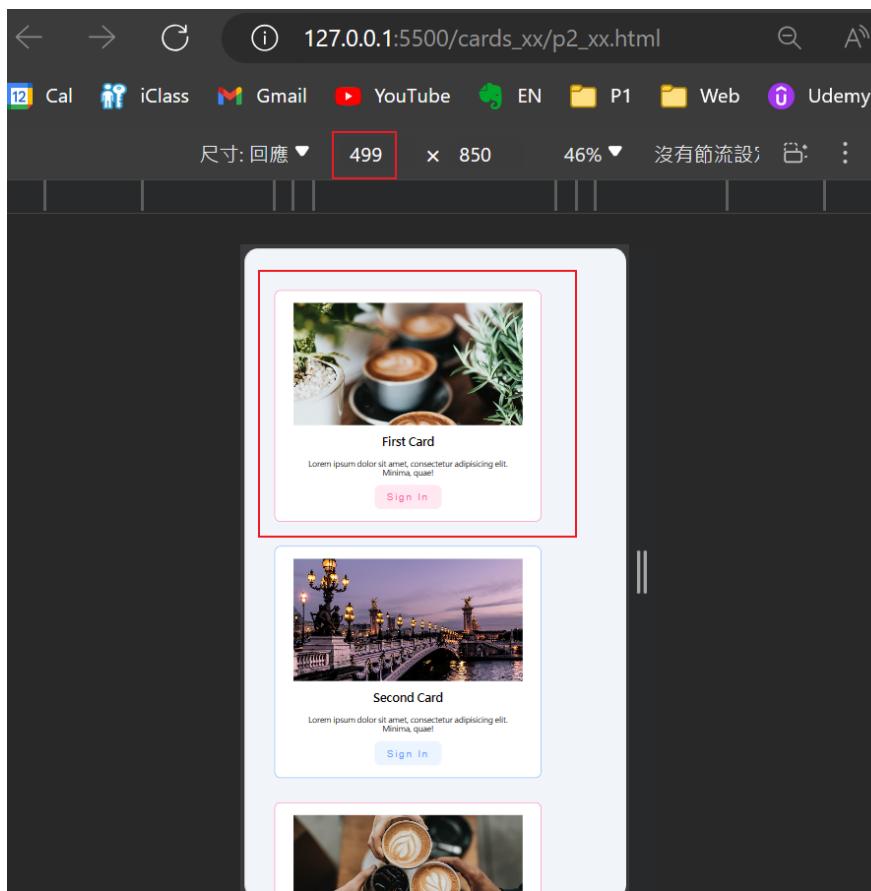
```
html
body
  .cards
    .cards-center
      > div.grid
        > div.card.card-1
        > div.card.card-2
        > div.card.card-1
        > div.card.card-2
        > div.card.card-1
        > div.card.card-2
        > div.card.card-1
        > div.card.card-2
```

```
.cards-center {
  display: grid;
  grid-template-columns: 1fr 1fr 1fr 1fr;
  gap: 0.5rem;
  width: var(--fluid-width);
  max-width: var(--max-width);
  min-width: 300px;
  margin: 0 auto;
  max-width: 500px;
```

(30%) P2_xx: 根據 P1_xx 題做響應式，斷點如下：

請先將 p1_xx.html, p1_xx.css 複製一份到 p2_xx.html, p2_xx.css

=> <500px 每行 1 張圖片，請以 498px 測試，並截圖如下：



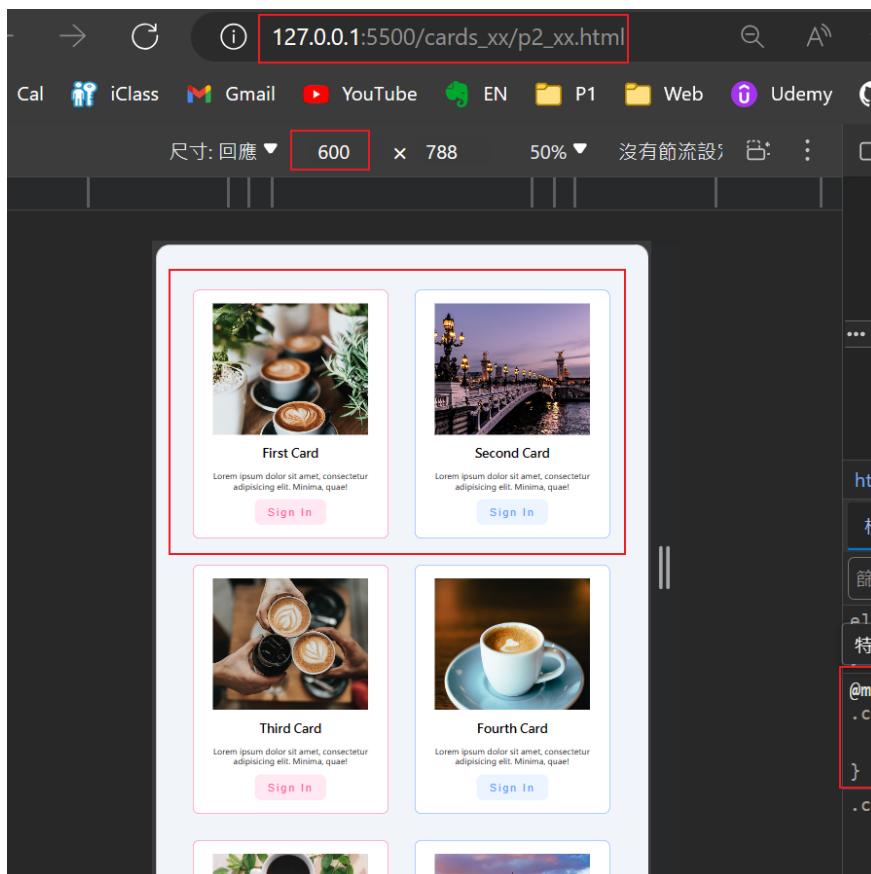
The screenshot shows a browser window with a dark theme. The address bar displays "127.0.0.1:5500/cards_xx/p2_xx.html". The page content consists of a grid of cards. There are three visible cards: "First Card" (with a photo of coffee cups), "Second Card" (with a photo of a bridge at night), and "Third Card" (with a photo of coffee cups). Each card has a "Sign In" button at the bottom. The browser's developer tools are open, showing the DOM structure and the CSS rule for ".cards-center" which defines a grid with one column.

```
active-style"></style>
<style lang="en" type="text/css" id="dark-mode-n
active-sheet"></style>
► <head> ...
  ▼ <body>
    ► <span id="warning-container">...</span>
    ▼ <div class="cards">
      ... 
        ► <div class="cards-center">...</div> grid
      ...
    </div>
    <!-- Code injected by live-server -->
  html body div.cards div.cards-center

```

```
.cards-center {
  display: grid; 
  grid-template-columns: 1fr;
  gap: 0.5rem;
  width: var(--fluid-width);
  max-width: var(--max-width);
  min-width: 300px;
  margin: 0 auto;
}
```

=> 500px~700px 每行 2 張圖片，請以 600px 測試，並截圖如下：



The screenshot shows a browser window with a dark theme. The address bar displays "127.0.0.1:5500/cards_xx/p2_xx.html". The page content consists of a grid of cards. There are four visible cards arranged in two rows: "First Card" and "Second Card" in the top row, and "Third Card" and "Fourth Card" in the bottom row. Each card has a "Sign In" button at the bottom. The browser's developer tools are open, showing the DOM structure and the CSS rule for ".cards-center" which defines a grid with two columns.

```
active-style"></style>
<style lang="en" type="text/css" id="dark-mode-n
active-sheet"></style>
► <head> ...
  ▼ <body>
    ► <span id="warning-container">...</span>
    ▼ <div class="cards">
      ... 
        ▼ <div class="cards-center"> grid = $0
          ► <div class="card card-1">...</div>
          ► <div class="card card-2">...</div>
          ► <div class="card card-1">...</div>
          ► <div class="card card-2">...</div>
      ...
    </div>
    <!-- Code injected by live-server -->
  html body div.cards div.cards-center

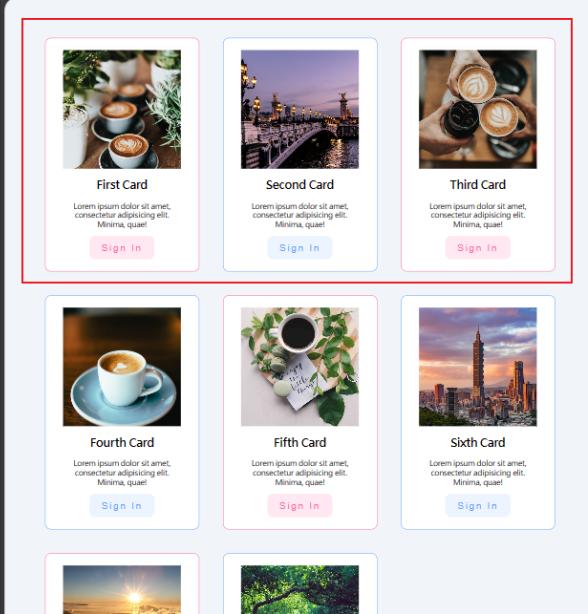
```

```
@media screen and (min-width: 500px)
.cards-center {
  grid-template-columns: repeat(2, 1fr);
}

.cards-center {
  display: grid; 
  grid-template-columns: 1fr,

```

=> 700px~900px 每行 3 張圖片，請以 800px 測試，並截圖如下：

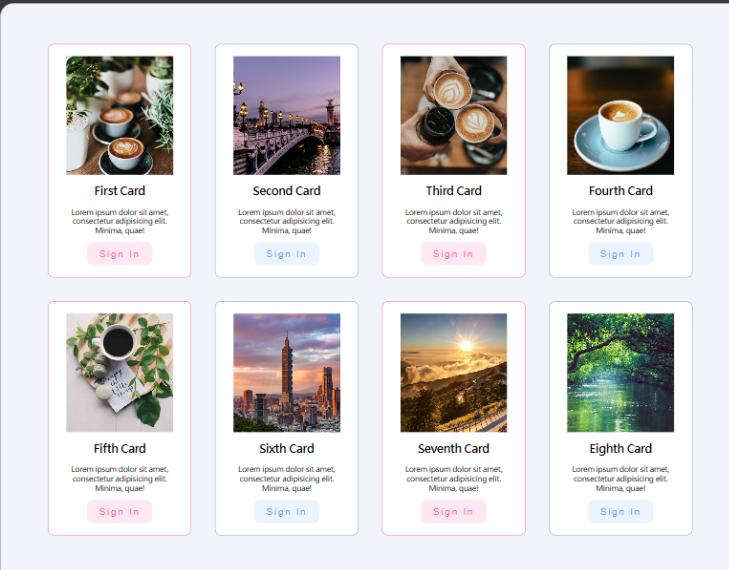


The screenshot shows a browser window with a grid of cards. The grid has 3 columns and 3 rows. Each card contains an image, a title, some placeholder text, and a 'Sign In' button. The developer tools are open, showing the CSS for the grid. A red box highlights the media query for a screen width of 700px.

```
grid-template-columns: repeat(3, 1fr);
```

```
@media screen and (min-width: 700px) { .cards-center { grid-template-columns: repeat(3, 1fr); }}
```

=> 900px~1100px 每行 4 張圖片，請以 1000px 測試，並截圖如下：



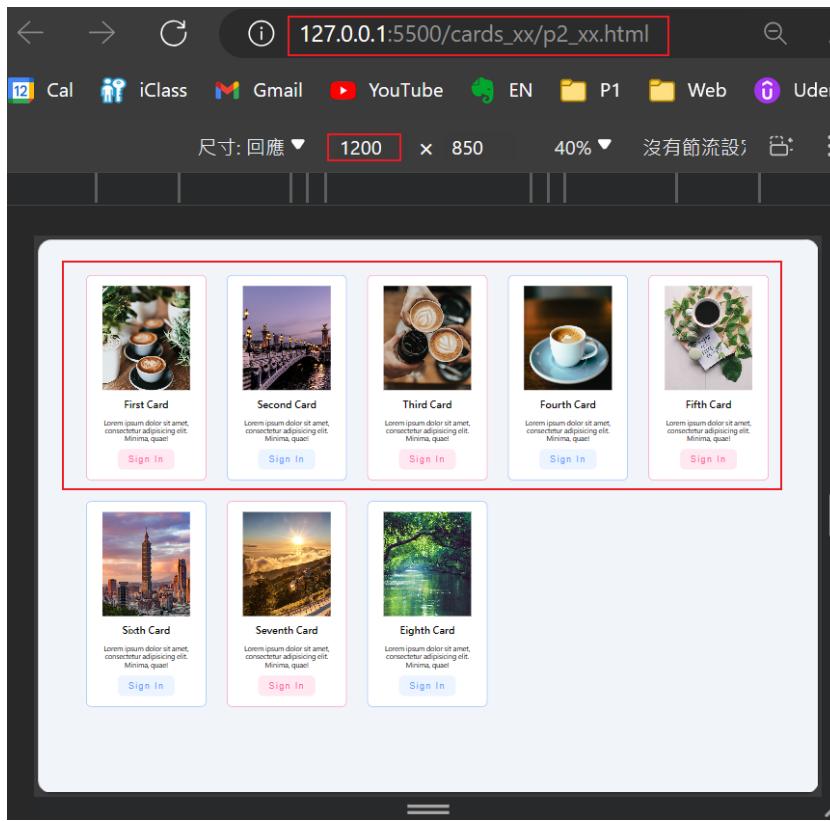
The screenshot shows a browser window with a grid of cards. The grid has 4 columns and 3 rows. Each card contains an image, a title, some placeholder text, and a 'Sign In' button. The developer tools are open, showing the CSS for the grid. A red box highlights the media query for a screen width of 900px.

```
grid-template-columns: repeat(4, 1fr);
```

```
@media screen and (min-width: 900px) { .cards-center { grid-template-columns: repeat(4, 1fr); }}
```

```
@media screen and (min-width: 700px) { .cards-center { grid-template-columns: repeat(3, 1fr); }}
```

=> 1100px~1300px 每行 5 張圖片，請以 1200px 測試，並截圖如下：

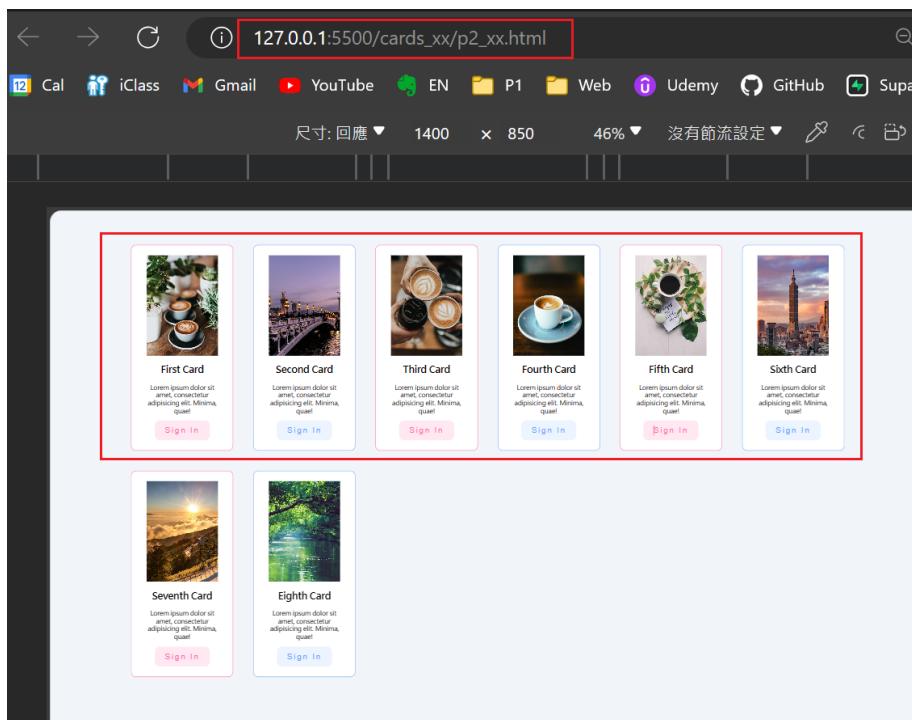


The screenshot shows a web browser window with a grid of 8 cards. The first two cards in the top row are highlighted with a red border. Each card contains a small image, a title like 'First Card', a short description, and a 'Sign In' button.

On the right side of the browser, the developer tools are open, specifically the element inspector. It shows the DOM structure and the CSS rules applied to the 'cards-center' class. A red box highlights the CSS rule for the 'grid-template-columns' property in the media query for screen widths of 1100px to 1300px.

```
grid-template-columns: repeat(5, 1fr);
```

=> 1300px 以上 每行 6 張圖片，請以 1400px 測試，並截圖如下：

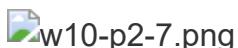


The screenshot shows a web browser window with a grid of 8 cards. The first six cards in the top row are highlighted with a red border. The cards are styled similarly to the previous screenshot.

On the right side of the browser, the developer tools are open, showing the DOM structure and the CSS rules applied to the 'cards-center' class. A red box highlights the CSS rule for the 'grid-template-columns' property in the media query for screen widths of 1300px to 1400px.

```
grid-template-columns: repeat(6, 1fr);
```

=> 跟響應式有關的 css



(20%) P3_xx: 請根據老師所給的 p3_xx.html，原先是 6 張卡片，有三個色系，全部使用變數來控制顯示一致，



First Card

Lore ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!

[Sign In](#)



Second Card

Lore ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!

[Sign In](#)



Third Card

Lore ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!

[Sign In](#)



Fourth Card

Lore ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!

[Sign In](#)



Fifth Card

Lore ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!

[Sign In](#)



Sixth Card

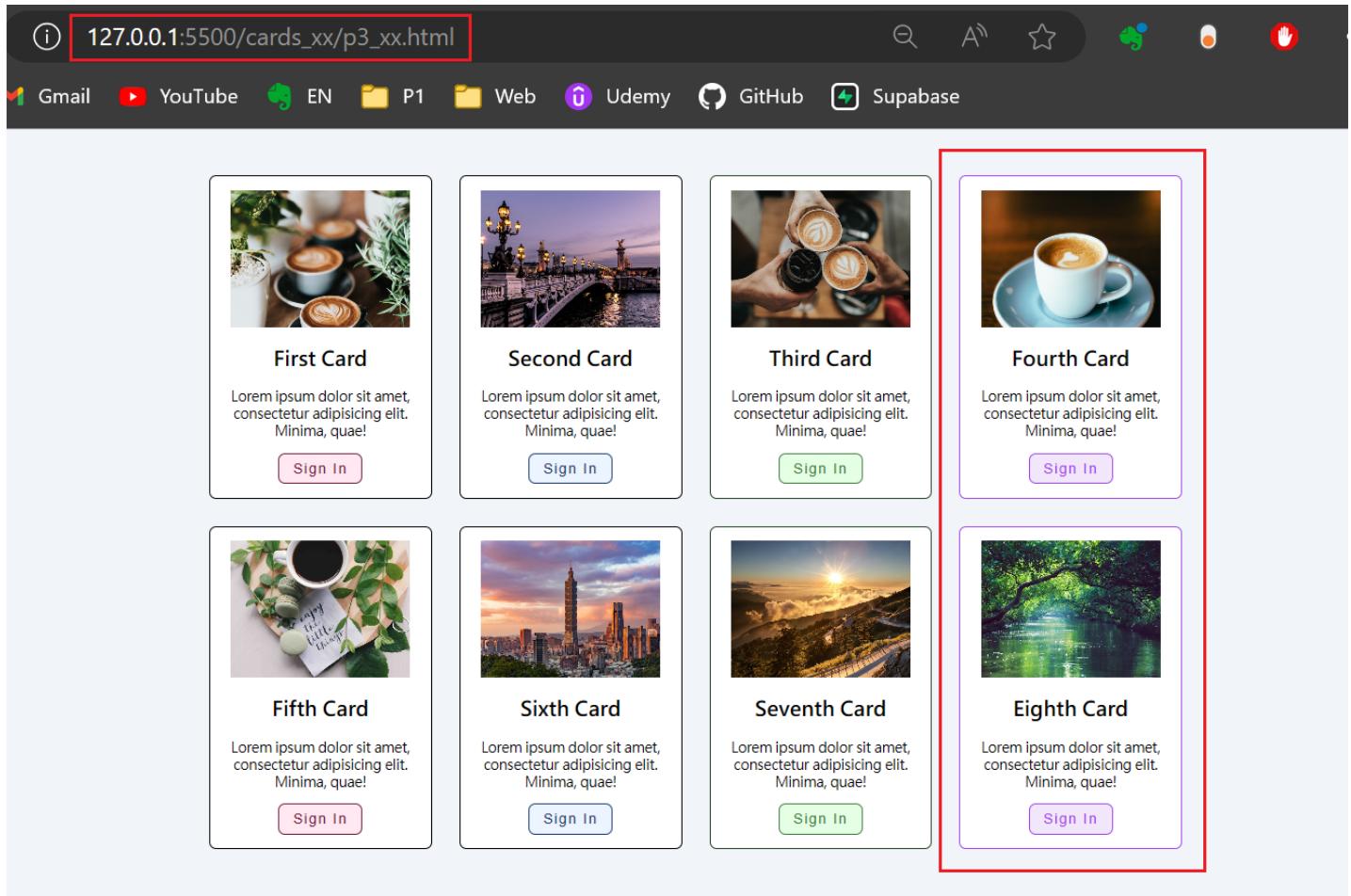
Lore ipsum dolor sit amet, consectetur adipisicing elit. Minima, quae!

[Sign In](#)

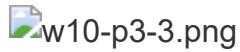
```
:root {  
    --primary: #645cff;  
    --primary-dark: #3c3799;  
    --grey-light: #f1f5f9;  
    --grey: #64748b;  
    --grey-dark: #0f172a;  
    --letter-spacing: 2px;  
    --fluid-width: 90vw;  
    --max-width: 1170px;  
    --border-radius: 0.15rem;  
    --card-1-color: #6f193c;  
    --card-1-background: #ffe8f1;  
    --card-1-border: 2px solid #ff69a6;  
    --card-2-color: #1b3a6d;  
    --card-2-background: #ecf4ff;  
    --card-2-border: 2px solid #68a3ff;  
    --card-3-color: rgb(64, 124, 64);  
    --card-3-background: rgba(0, 255, 0, 0.1);  
    --card-3-border: 2px solid rgb(35, 70, 35);  
}
```

請修改 p3_xx.html, 並設定 css grid, 每一列顯示 4 張 cards, 要顯示 8 張卡片 (photo-1.jpg ~ photo-8.jpg), 加入一個新的色系, `rgb(161, 68, 238)`, 讓 8 張圖片以紅藍綠紫, 紅藍綠紫方式呈現。新的色系背景(`background-color`)及邊界(`border`)請用 `rgba(161, 68, 238, ?)` 的方式來表示

=> 本機端顯示

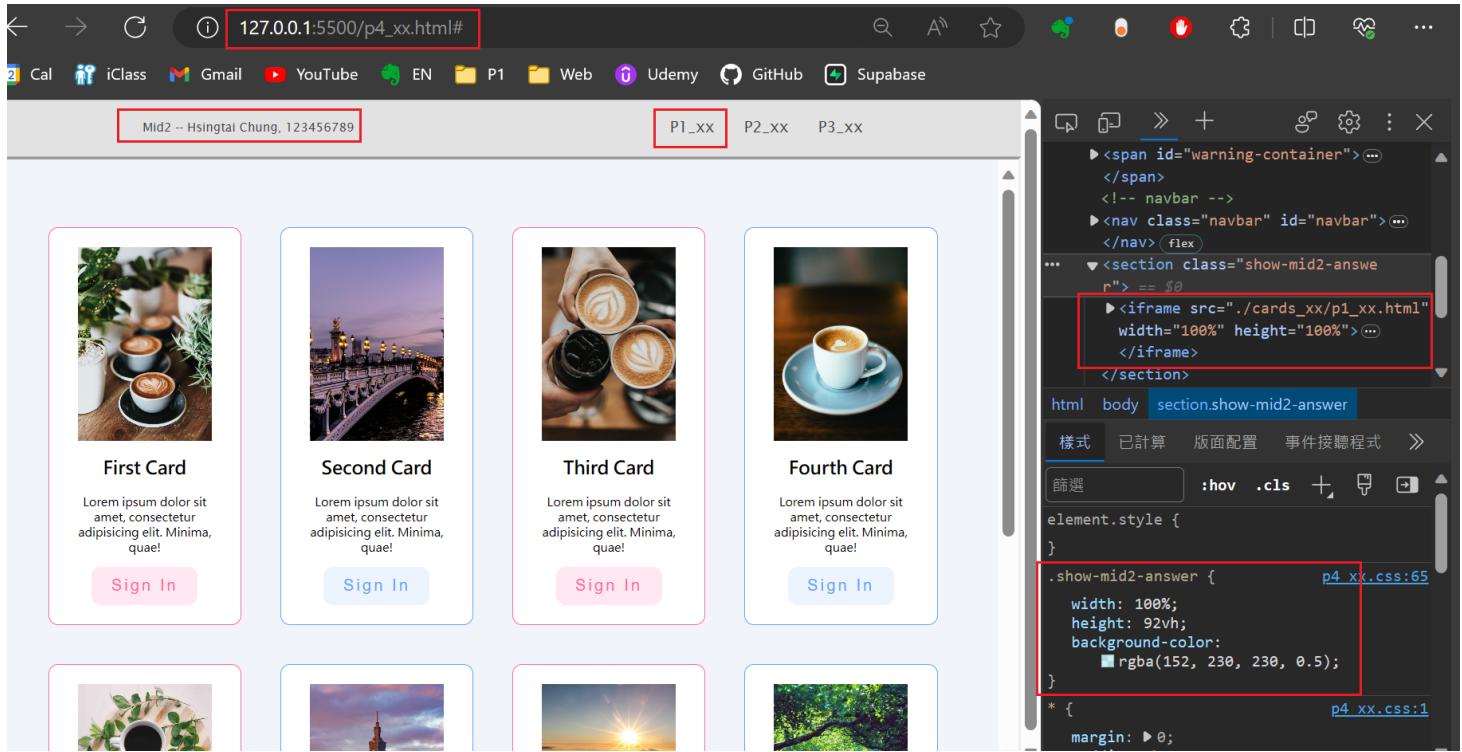


=> 顯示第四個色系會用到的變數及相關的 css, 請以多視窗顯示, 截一張圖繳交



(15%) P4_xx: 請根據老師所給的 p4_xx.html，在 html 加入你的學號姓名，並加入 css，顯示選單如下圖，p4_xx.html 老師已給的部分，除非有必要，不能隨意修改(成跟上課 demo 的一樣)。

=> P1_xx 題，瀏覽器結果



Mid2 -- Hsingtai Chung, 123456789

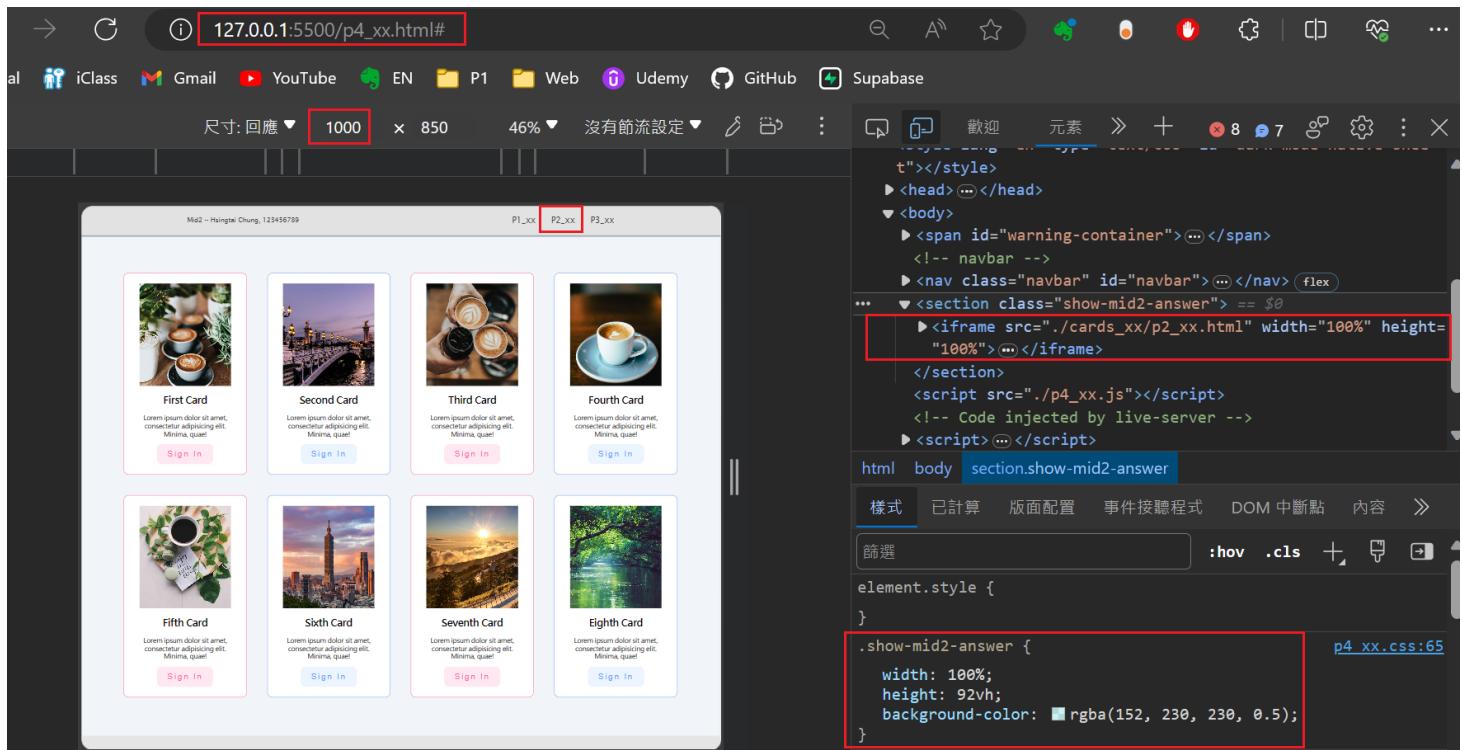
P1_xx P2_xx P3_xx

First Card
Second Card
Third Card
Fourth Card

Sign In Sign In Sign In Sign In

.show-mid2-answer {
width: 100%;
height: 92vh;
background-color:
rgba(152, 230, 230, 0.5);
}

=> P2_xx 題，瀏覽器結果



尺寸: 回應 1000 x 850 沒有節流設定

Mid2 -- Hsingtai Chung, 123456789

P1_xx P2_xx P3_xx

First Card
Second Card
Third Card
Fourth Card

Sign In Sign In Sign In Sign In

Fifth Card
Sixth Card
Seventh Card
Eighth Card

Sign In Sign In Sign In Sign In

.show-mid2-answer {
width: 100%;
height: 92vh;
background-color:
rgba(152, 230, 230, 0.5);
}

=> P3_xx 題，瀏覽器結果

The screenshot shows a browser window displaying a grid of eight cards. The fourth card from the top-left is highlighted with a red border. The browser's developer tools are open, showing the HTML structure and the corresponding CSS styles applied to the cards.

HTML Structure:

```
t">/style>
<head> ...
</head>
<body>
  <span id="warning-container">...</span>
  <!-- navbar -->
  <nav class="navbar" id="navbar">...</nav> flex
...
<section class="show-mid2-answer"> == $0
  <iframe src=".cards_xx/p3_xx.html" width="100%" height="100%" ...</iframe>
</section>
<script src=".p4_xx.js"></script>
<!-- Code injected by live-server -->
<script>...</script>
```

CSS Styles (p4_xx.css):

```
.show-mid2-answer {
  width: 100%;
  height: 92vh;
  background-color: #rgba(152, 230, 230, 0.5);
}
```

=> p4_xx.js 截圖



=> p4_xx.css 截圖 (放入兩個視窗，一張圖顯示)

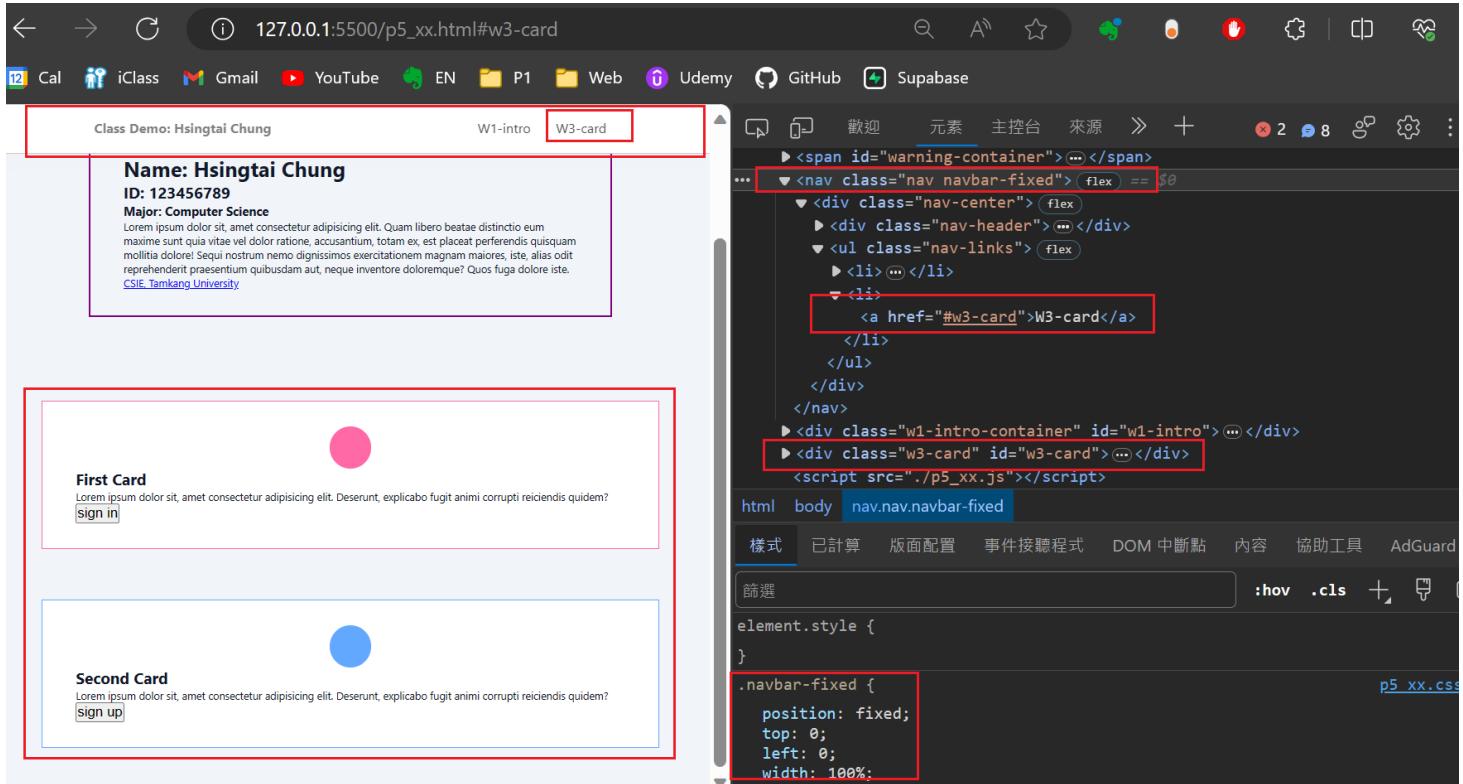


(15%) P5: 請根據老師所給的 p5_xx.html, p5_xx.css, p5_xx.js 要將 demo 目錄下的 W1-intro, W3-card 兩週 demo 的內容放入，點選 W1-intro 時，跳至 W2-intro 畫面，點選 W3-card 時，跳至 W3-card 畫面。

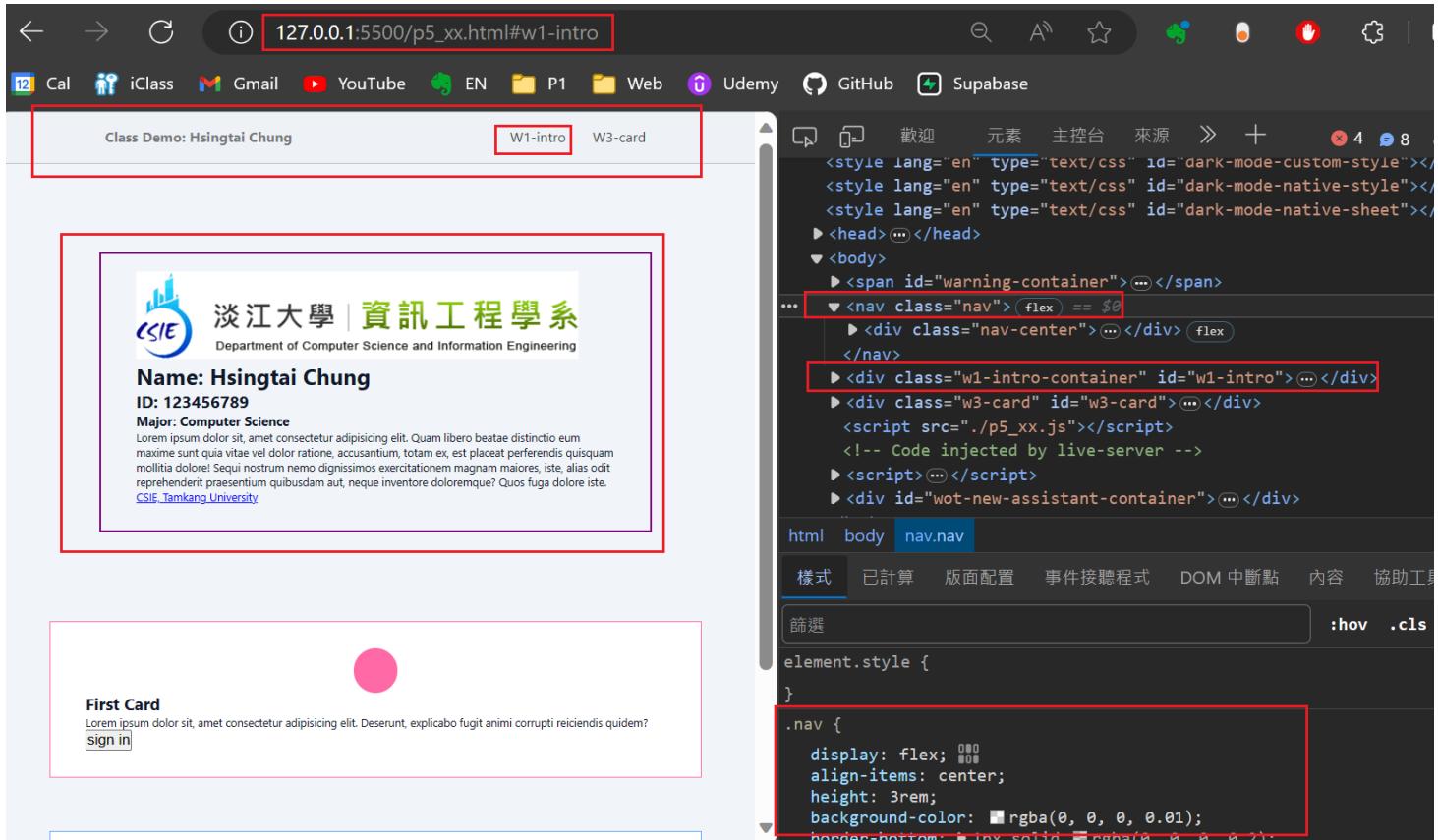
要使用 navbar-fixed，讓選單固定在畫面上。一開始並沒有顯示固定選單，但畫面捲動下移 100px 時，會顯示固定選單。

本題主要考固定選單與跳頁，能顯示頁面如附圖即可，css 有些差異不必特別處理。

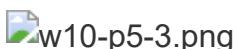
=> 點選 W3-card，會顯示固定選單



=> 點選 W1-intro，並將滑鼠移到最上方，看到 W1-intro 頁面，固定選單消失



=> 顯示本題對應的 html (用多個視窗呈現，截一張圖)



=> 顯示本題對應的 **css** (用多個視窗呈現，截一張圖)



=> 顯示本題對應的 **js** (用多個視窗呈現，截一張圖)

