

(12.5%) 靜態網頁 期中上機考-2 -- 斷網

2023-11-16, 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。
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 (15%): ? 分
- P2 (25%): ? 分
- P3-1 (15%): ? 分
- P3-2 (15%): ? 分
- P4 (15%): ? 分
- P5 (15%): ? 分
- 總分: ? 分

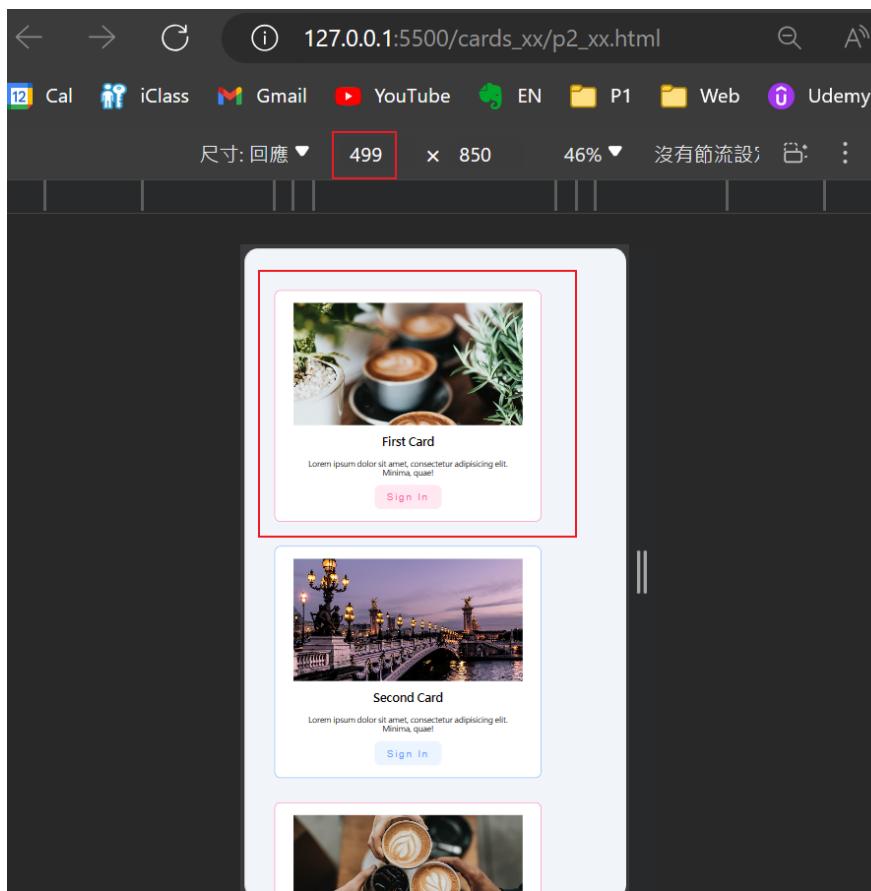
(15%) P1-1_xx: 請修改老師提供的 p1_xx.html 及 p1_xx.css，產生 8 張圖片，每行 4 張圖片，如下圖

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 styled with rounded corners and a thin border. Each card contains a small image at the top, a title, a short description, and a 'Sign In' button at the bottom. A red box highlights the last two cards in the second row (Seventh and Eighth Card). The browser's developer tools are open, showing the DOM structure and CSS styles for the cards. The DOM tree shows a `div.cards` container with a `grid` class, which contains a `div.cards-center` container with a `grid` class. This is followed by eight `div.card` elements, each with a `card-1` or `card-2` class. The CSS panel shows the `.cards-center` style, which includes properties like `display: grid;`, `grid-template-columns: 1fr 1fr 1fr 1fr;`, and `gap: 0.5rem;`.

(25%) P2_xx: 根據 P1_xx 題做響應式，斷點如下：

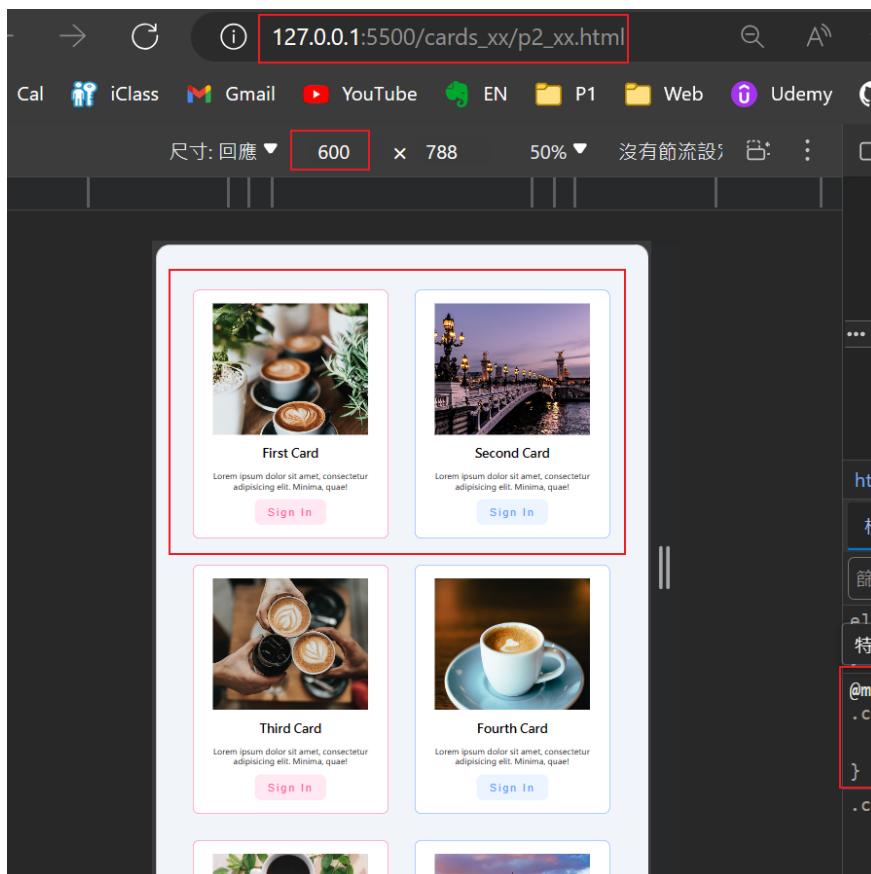
請先將 p1_xx.html, p1_xx.css 複製一份到 p2_xx.html, p2_xx.css

=> <500px 每行 1 張圖片，請以 498px 測試，並截圖如下：



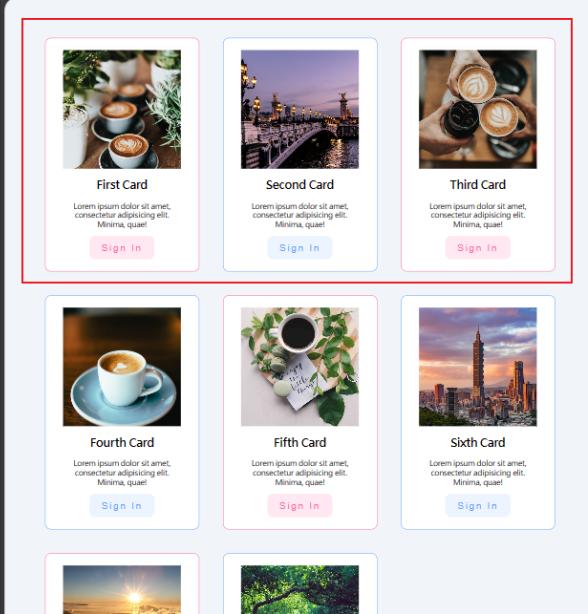
The screenshot shows a browser window with a dark theme. The address bar displays "127.0.0.1:5500/cards_xx/p2_xx.html". The page content consists of four cards arranged vertically. The first card is highlighted with a red border. The second card is partially visible below it. The third and fourth cards are at the bottom of the page. Each card contains a small image, a title like "First Card", some placeholder text, and a "Sign In" button. The right side of the screen shows the browser's developer tools, specifically the element inspector. A red box highlights the ".cards-center" class in the DOM tree under the ".cards" container. Another red box highlights the CSS rule ".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; }" in the styles panel.

=> 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 four cards arranged in two rows of two. The first card is highlighted with a red border. The second card is in the same row. The third and fourth cards are in the second row. Each card contains a small image, a title like "First Card", some placeholder text, and a "Sign In" button. The right side of the screen shows the browser's developer tools. A red box highlights the ".cards-center" class in the DOM tree under the ".cards" container. Another red box highlights the CSS rule "@media screen and (min-width: 500px) .cards-center { grid-template-columns: repeat(2, 1fr); }" in the styles panel.

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

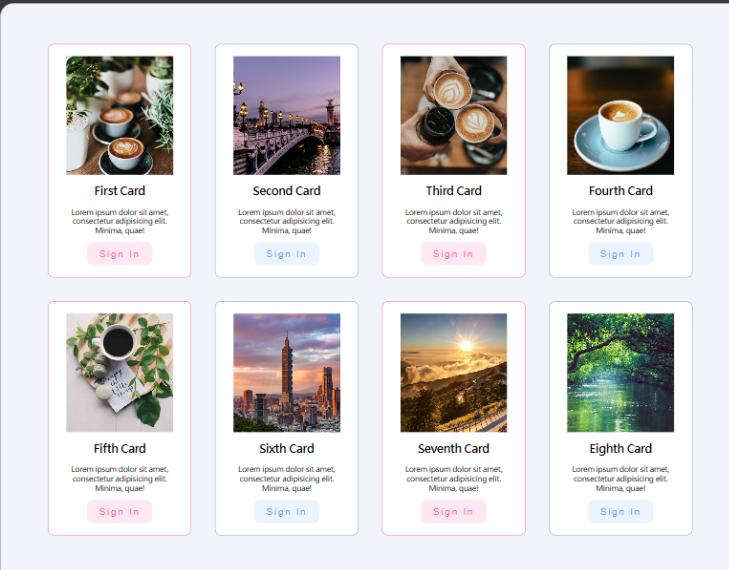


The screenshot shows a browser window with a grid of cards. The grid has 3 columns and 3 rows. Each card contains an image, a title, some placeholder text, and a 'Sign In' button. The developer tools are open, showing the CSS for the grid. A red box highlights the media query for a screen width of 700px.

```
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：



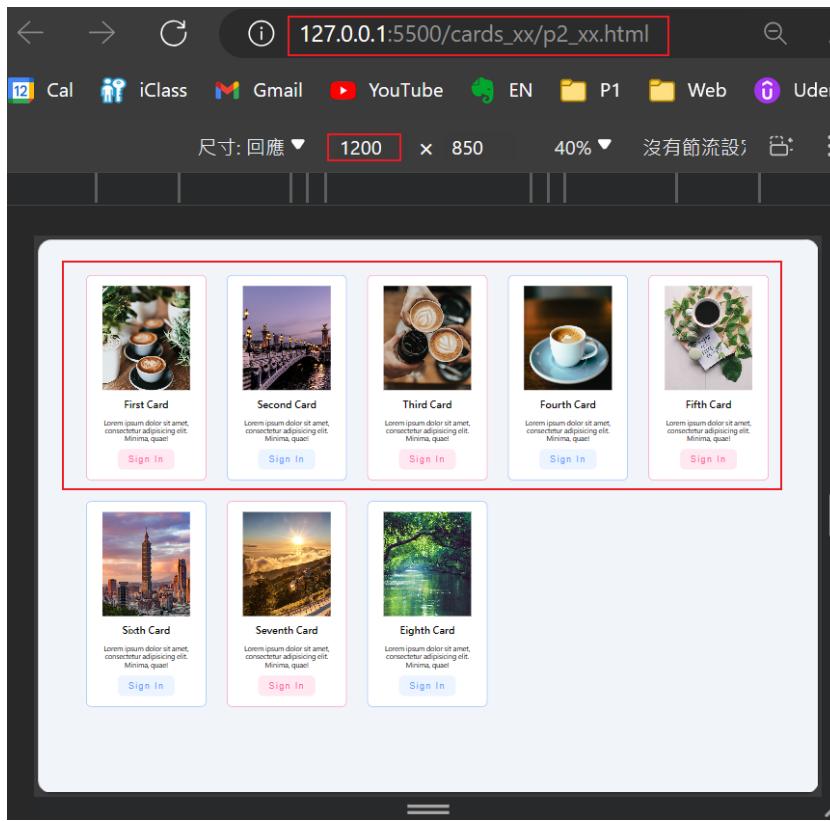
The screenshot shows a browser window with a grid of cards. The grid has 4 columns and 3 rows. Each card contains an image, a title, some placeholder text, and a 'Sign In' button. The developer tools are open, showing the CSS for the grid. A red box highlights the media query for a screen width of 900px.

```
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：

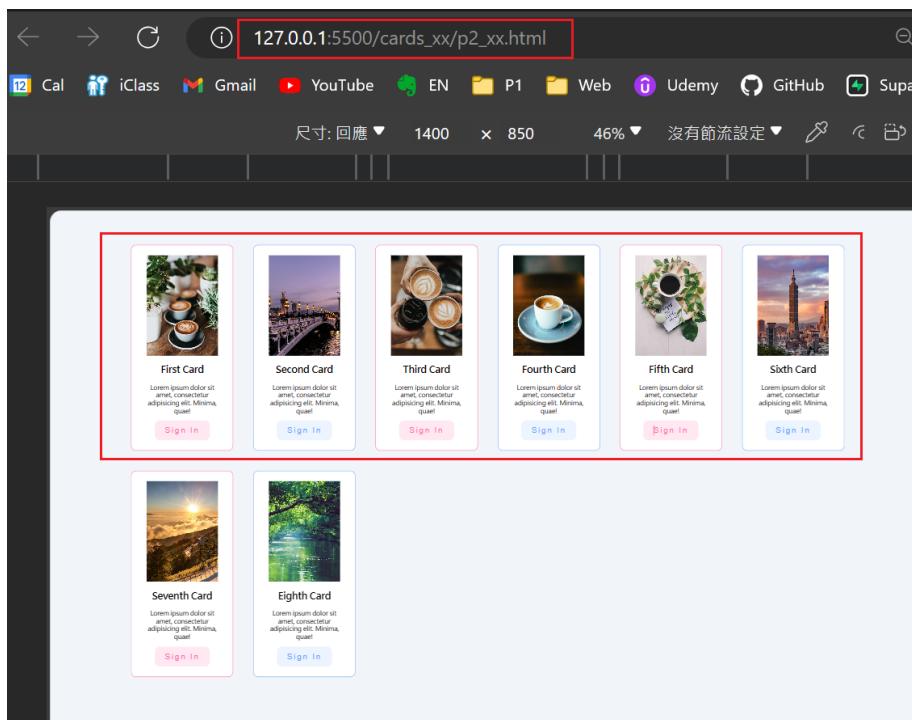


The screenshot shows a web browser window with a grid of 8 cards. The first two cards in the top row are highlighted with a red border. Each card contains a small image, a title like 'First Card', a short description, and a 'Sign In' button.

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：

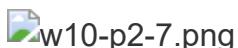


The screenshot shows a web browser window with a grid of 8 cards. The first six cards in the top row are highlighted with a red border. The cards are styled similarly to the previous screenshot.

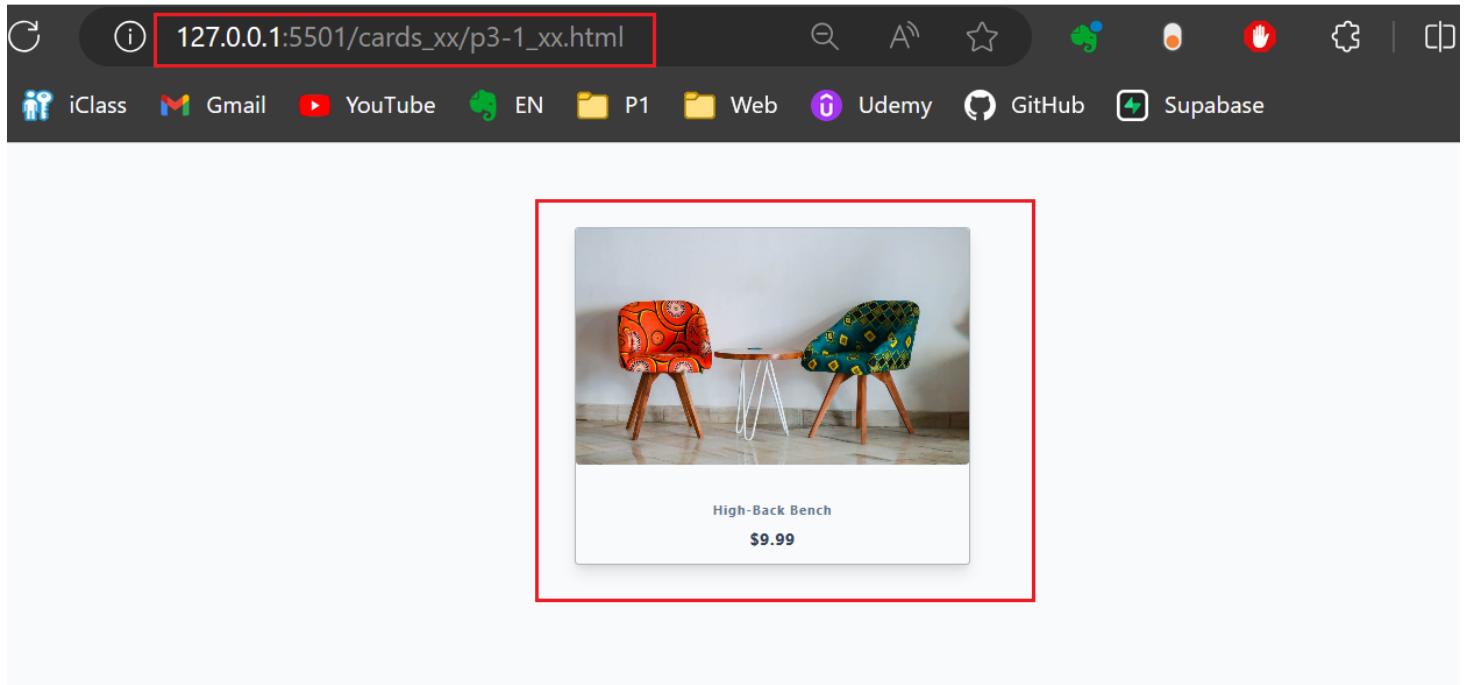
On the right side of the browser, the developer tools are open, showing the DOM structure and the CSS rules applied to the 'cards-center' class. A red box highlights the CSS rule for the 'grid-template-columns' property in the media query for screen widths of 1300px to 1400px.

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

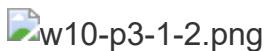
=> 跟響應式有關的 css



(15%) P3-1_xx: 請根據所給的 p3_xx.html, p3_xx.css, 加入所需要的 css, 能夠顯示如下圖

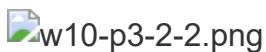


=> 請提供完成上圖片所加入的 css, 可用多視窗方式, 呈現在一張圖片上



(15%) P3-2_xx: 請先將 p3-1_xx.html, p3-1_xx.css 複製一份成為 p3-2_xx.html, p3-2_xx.css, 然後產出 6 張產品圖片如下, 要使用 css grid 並以 minmax 方式來做響應式

=> 請提供完成上圖片所加入的 css，可用多視窗方式，呈現在一張圖片上



(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)。

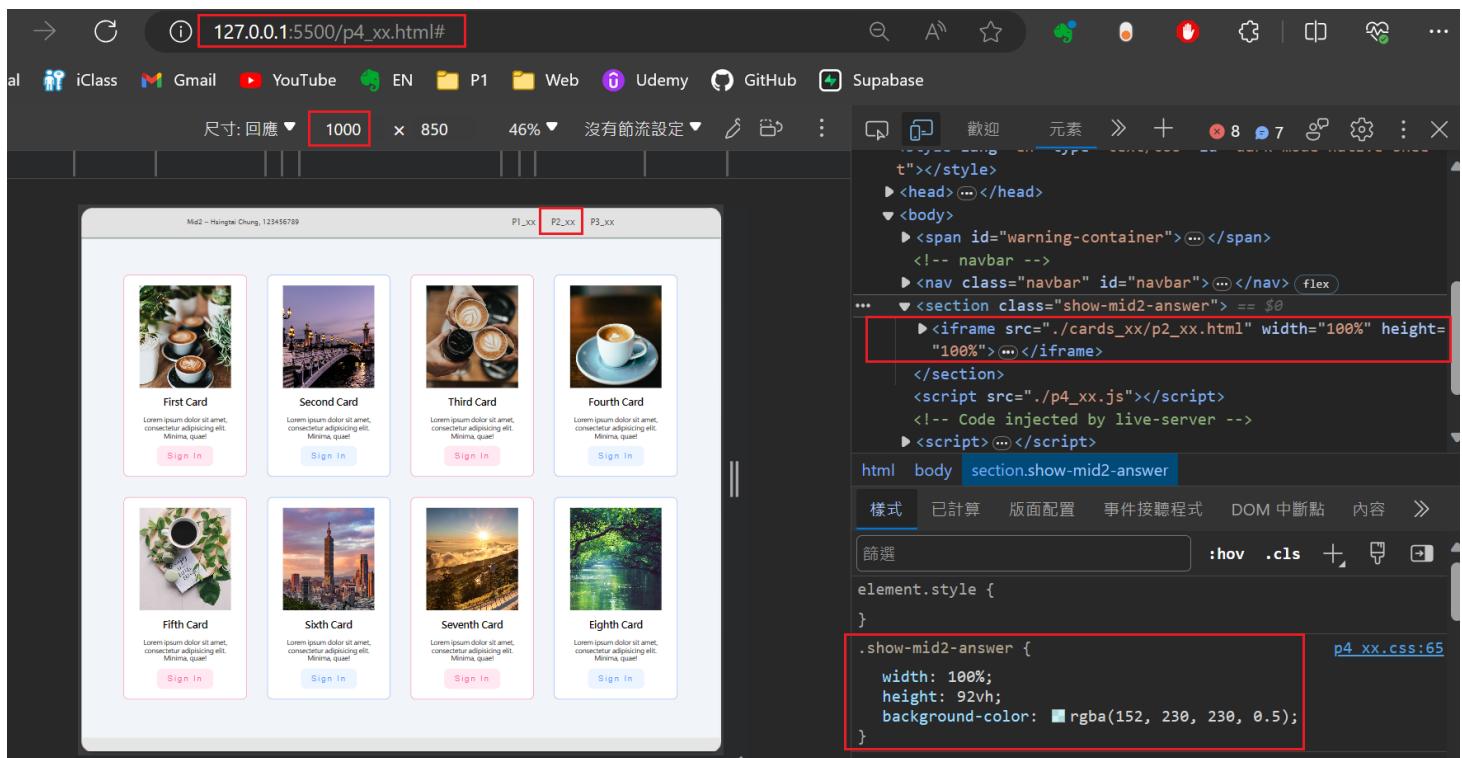
=> P1_xx 題，瀏覽器結果

The screenshot shows a browser window displaying a web page with four cards. Each card contains an image, a title, and a 'Sign In' button. The third card features an iframe. The browser's developer tools are visible on the right side, highlighting specific CSS rules:

```
html body section.show-mid2-answer
  .show-mid2-answer {
    width: 100%;
    height: 92vh;
    background-color: #rgba(152, 230, 230, 0.5);
  }
  * {
    margin: 0;
```

The CSS rule for the .show-mid2-answer class sets the width to 100%, height to 92vh, and background color to a semi-transparent blue (#rgba(152, 230, 230, 0.5)). The '*' selector is used to clear all margins.

=> P2_xx 題，瀏覽器結果



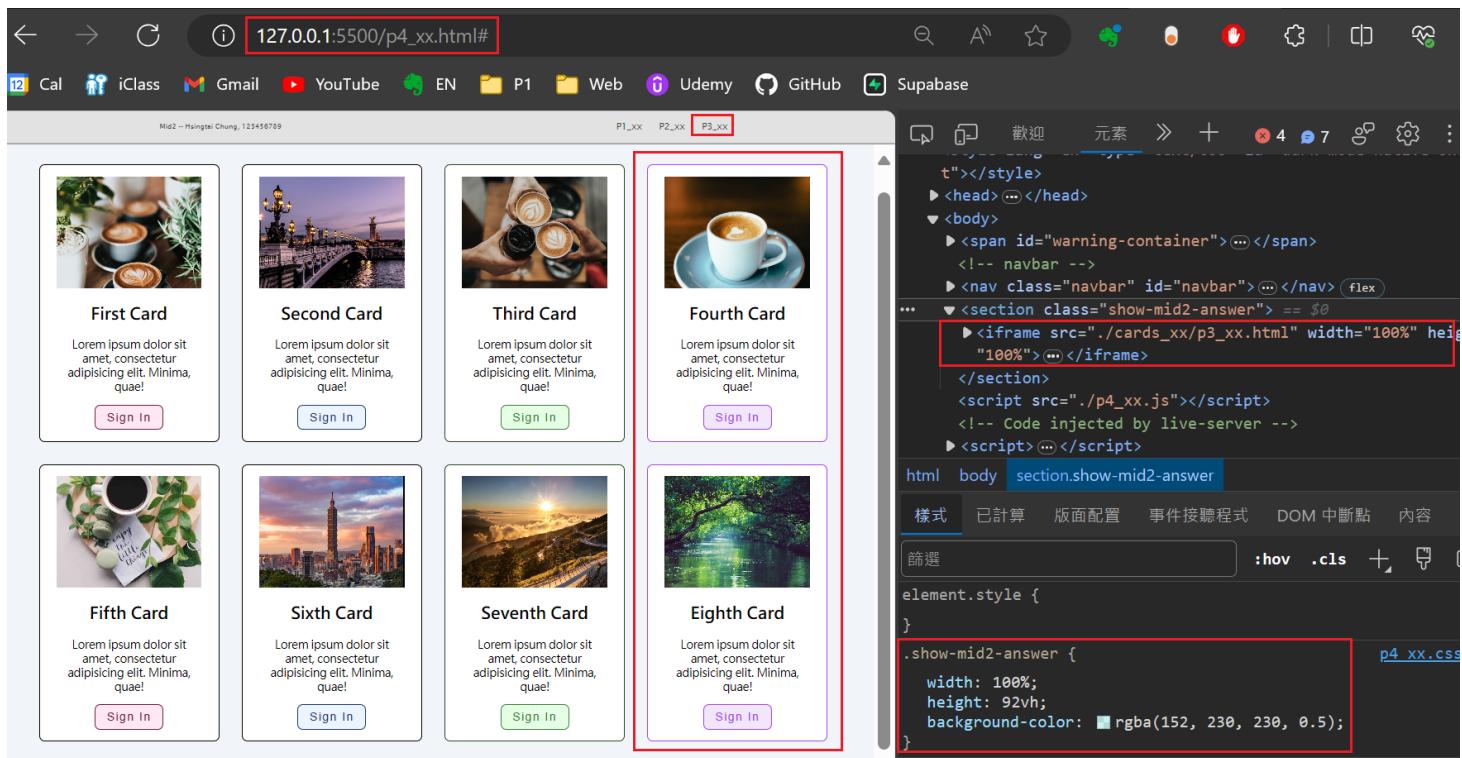
The screenshot shows a browser window displaying a card grid. The cards are labeled First Card through Eighth Card. Each card contains a small image, a title, a short description, and a 'Sign In' button. Above the card grid, there are three tabs: P1_xx, P2_xx (which is highlighted with a red box), and P3_xx. On the right side of the browser, the developer tools are open, specifically the 'Elements' tab. A red box highlights the section of the DOM where an `iframe` is inserted into the page. The code for the `iframe` is:

```
<section class="show-mid2-answer">
  <iframe src=".cards_xx/p2_xx.html" width="100%" height="100%"></iframe>
</section>
```

Below this, the browser's CSS panel shows the style definition for the `.show-mid2-answer` class:

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

=> P3-1_xx 題，瀏覽器結果



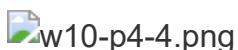
The screenshot shows a browser window displaying a card grid. The cards are labeled First Card through Eighth Card. Each card contains a small image, a title, a short description, and a 'Sign In' button. Above the card grid, there are three tabs: P1_xx, P2_xx, and P3_xx (which is highlighted with a red box). On the right side of the browser, the developer tools are open, specifically the 'Elements' tab. A red box highlights the section of the DOM where an `iframe` is inserted into the page. The code for the `iframe` is identical to the one in the previous screenshot:

```
<section class="show-mid2-answer">
  <iframe src=".cards_xx/p3_xx.html" width="100%" height="100%"></iframe>
</section>
```

Below this, the browser's CSS panel shows the style definition for the `.show-mid2-answer` class:

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

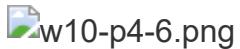
=> P3-2_xx 題，瀏覽器結果



=> p4_xx.js 截圖



=> p4_xx.css 截圖 (放入兩個視窗，一張圖顯示)

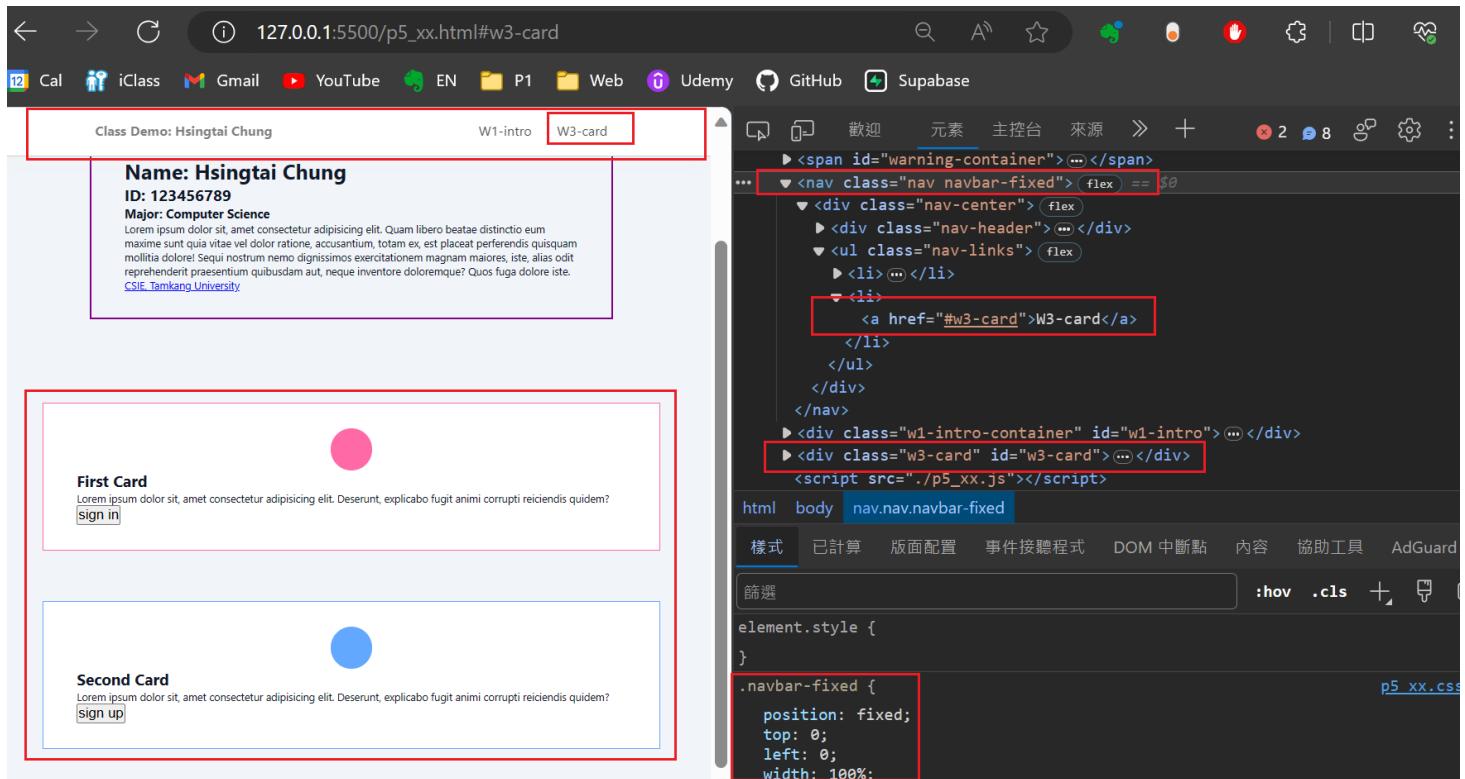


(15%) P5: 請根據老師所給的 p5_xx.html, p5_xx.css, p5_xx.js 要將 demo 目錄下的 W1-intro, W2-card 兩週 demo 的內容放入，點選 W1-intro 時，跳至 W1-intro 畫面，點選 W2-card 時，跳至 W2-card 畫面。

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 W2-card，會顯示固定選單



The screenshot shows a browser window with the URL `127.0.0.1:5500/p5_xx.html#W3-card`. The page displays two cards: "First Card" and "Second Card". A navigation bar at the top has tabs for "W1-intro" and "W3-card", with "W3-card" being active. The developer tools are open, showing the DOM structure and the corresponding CSS styles for the `.navbar-fixed` class.

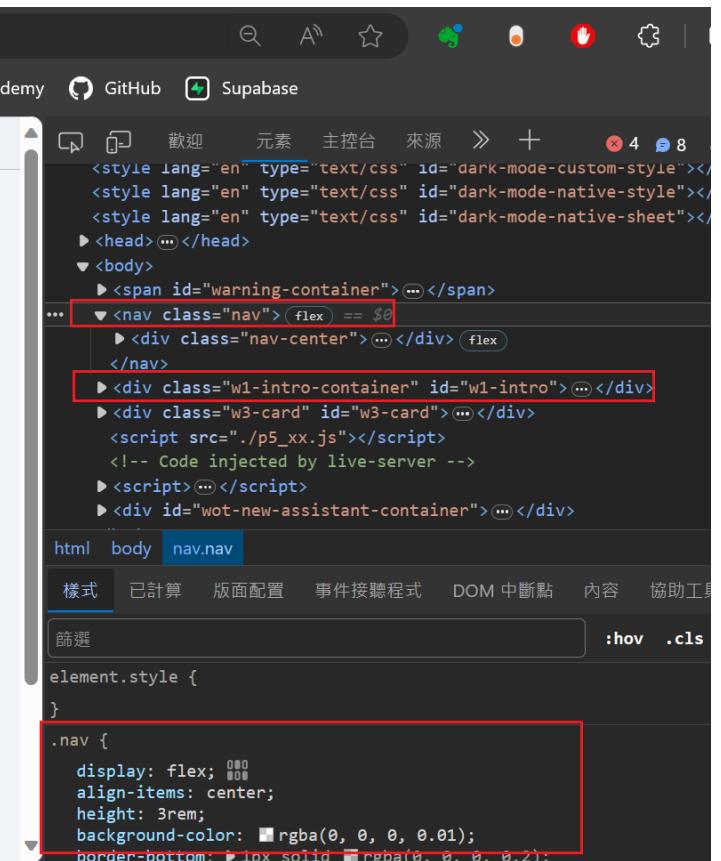
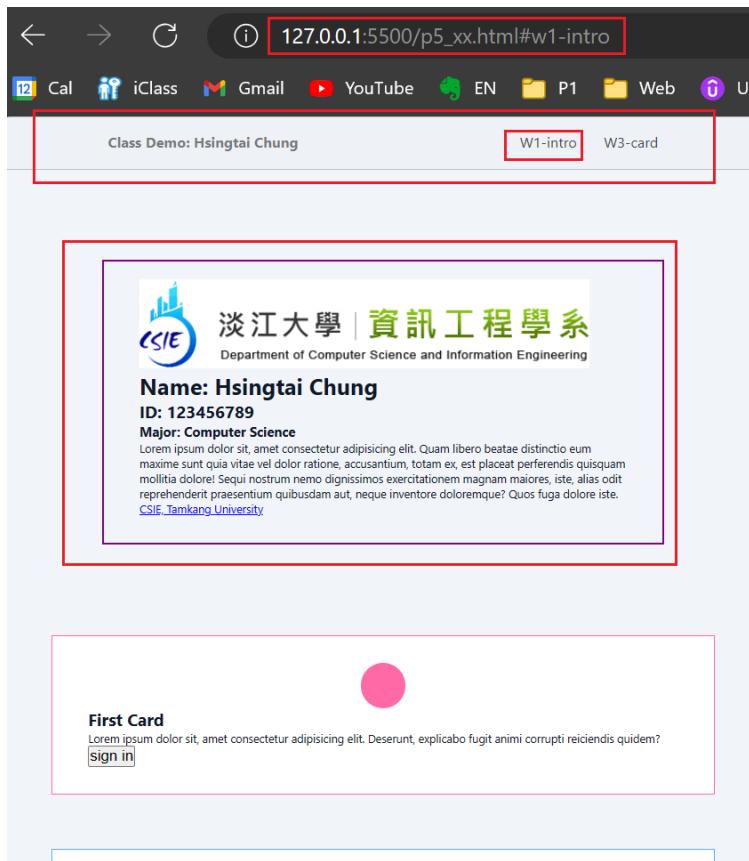
DOM Structure:

```
<span id="warning-container">...</span>
...<nav class="nav navbar-fixed"> (flex)
  <div class="nav-center"> (flex)
    <div class="nav-header"> ...</div>
    <ul class="nav-links"> (flex)
      <li> ...
        <a href="#W3-card">W3-card</a>
      </li>
    </ul>
  </div>
</nav>
<div class="w1-intro-container" id="W1-intro"> ...</div>
<div class="w3-card" id="W3-card"> ...</div>
<script src="./p5_xx.js"></script>
```

CSS Styles (p5_xx.css):

```
.navbar-fixed {
  position: fixed;
  top: 0;
  left: 0;
  width: 100%;
```

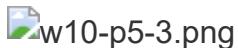
=> 點選 W1-intro，並將滑鼠移到最上方，看到 W1-intro 頁面，固定選單消失



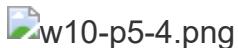
The screenshot shows a browser window with the URL 127.0.0.1:5500/p5_xx.html#w1-intro. The page content includes a header for 'Class Demo: Hsingtai Chung' and two cards: 'W1-intro' and 'W3-card'. The 'W1-intro' card displays the淡江大學 | 資訊工程學系 logo and some sample text. The 'W3-card' card has a pink circular placeholder. The browser's developer tools are open, showing the DOM structure. A red box highlights the 'nav' element, which contains the 'w1-intro' and 'w3-card' components. The CSS for the 'nav' element is also highlighted with a red box.

```
html body nav.nav
  .nav {
    display: flex; align-items: center; height: 3rem; background-color: #000000; border-bottom: 1px solid #000000;
  }
  :hover .cls
```

=> 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)

