

(12.5%) 靜態網頁 期中考-1 -- 開放網路

2023-11-09, 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. iClass 上請繳交 w9_mid1_xx.md, w19_mid1_xx.pdf, mid1_xx.zip (如有需要，請移除圖片)，所有程式請 git push 到 Github，助教可以檢查。
3. 老師將題目提供在 w9_mid1_xx.md 檔案上，要實作的部分放在 w9_mid1_htc.pdf 上，請依照老師實作的圖片在你自己的 Github repo, Vercel 上實作
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): (余忠憲, 912410023)

P1 (30%): 基本題

- P1-1 (6%): 6 分
- P1-2 (6%): 6 分
- P1-3 (6%): 6 分
- P1-4 (6%): 6 分
- P1-5 (6%): 6 分

P2 (40%): 課堂實作延伸題 (card)

- P2-1 (20%): 20 分
- P2-2 (20%): 15 分

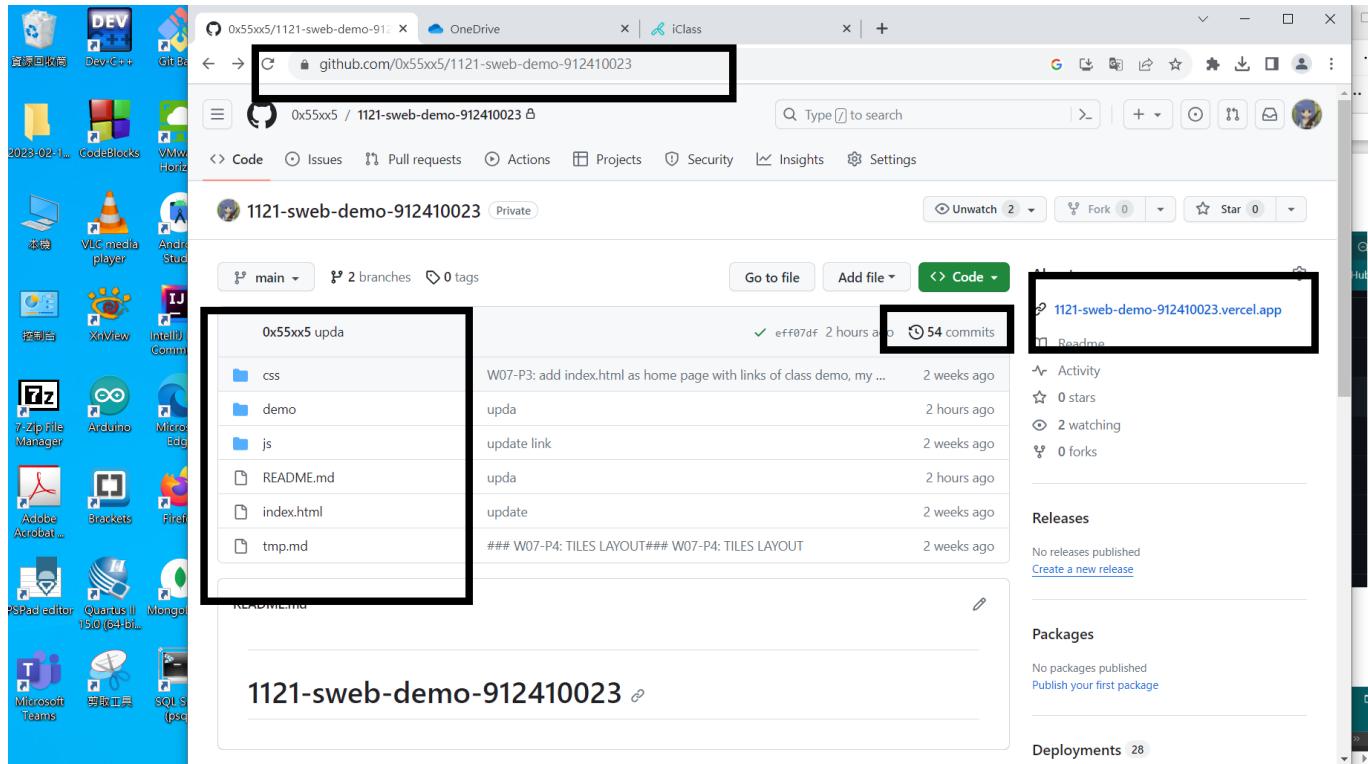
P3 (30%): 課堂實作延伸題 (選單)

- P3-1 (15%): 15 分
 - P3-2 (15%): 15 分
 - 總分: 95 分
-

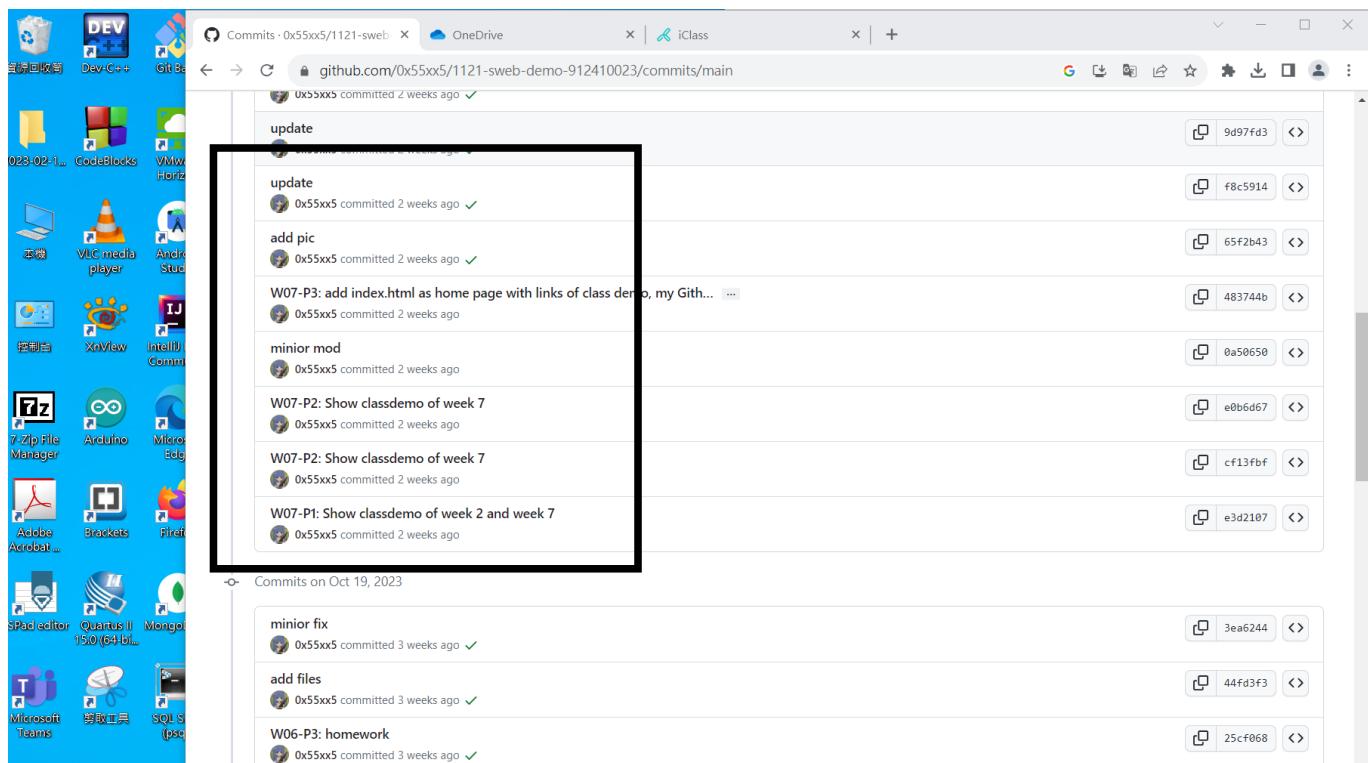
(30%) P1: 基本題

(6%) P1-1: Show Your Github Repo

My Github Repo URL

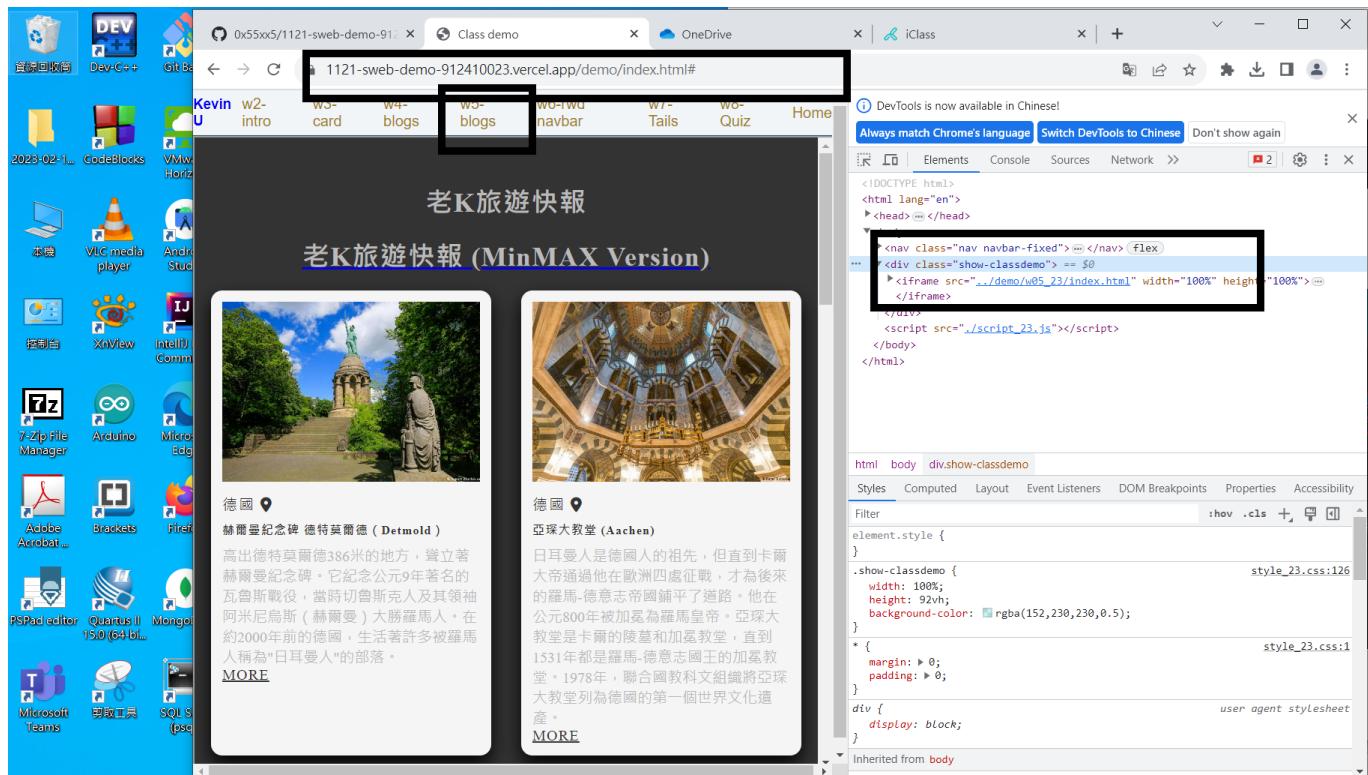


(6%) P1-2: Show Your Github commits of week 7

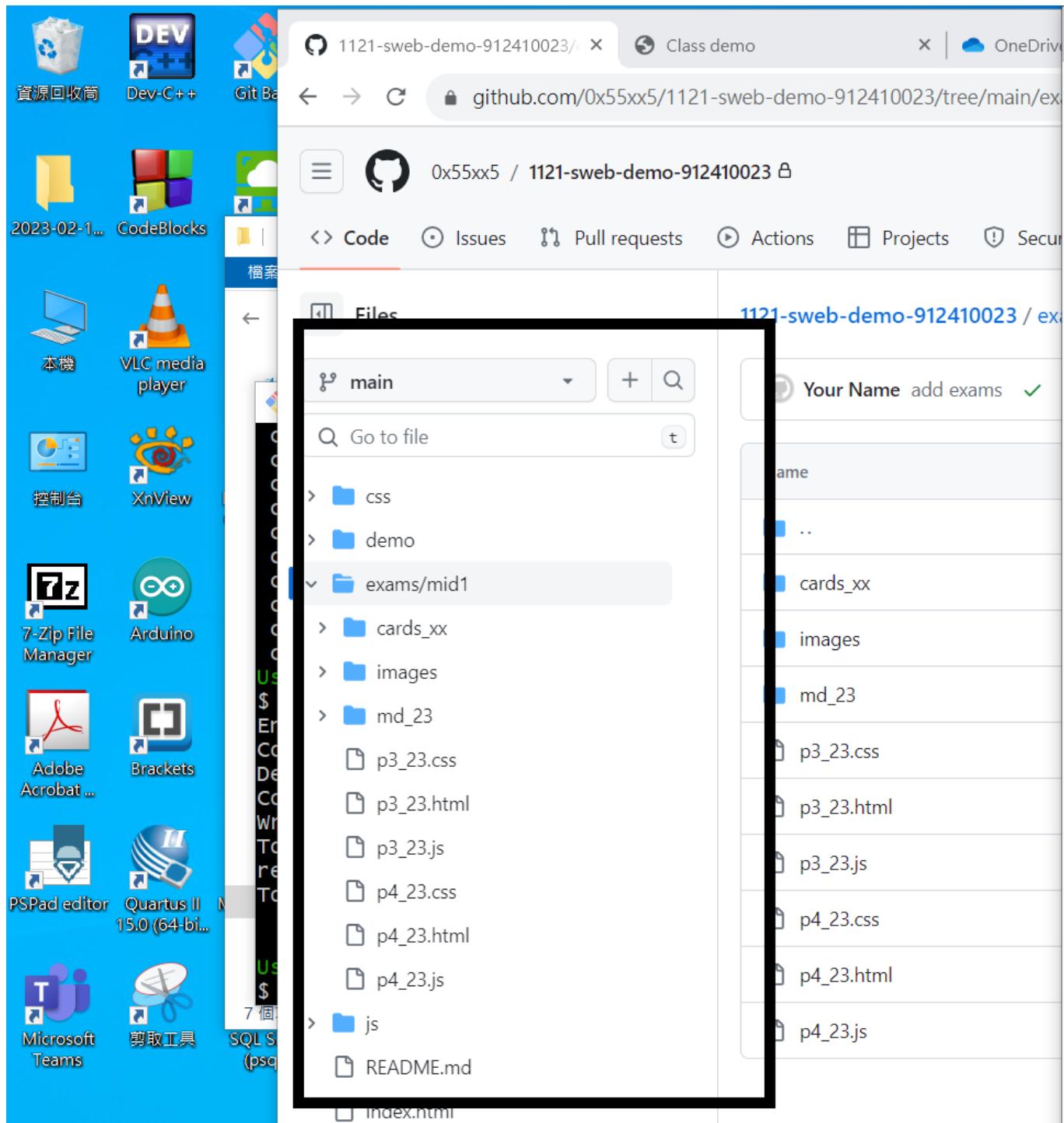


(6%) P1-3: Show Your Vercel page for class demo of week 5

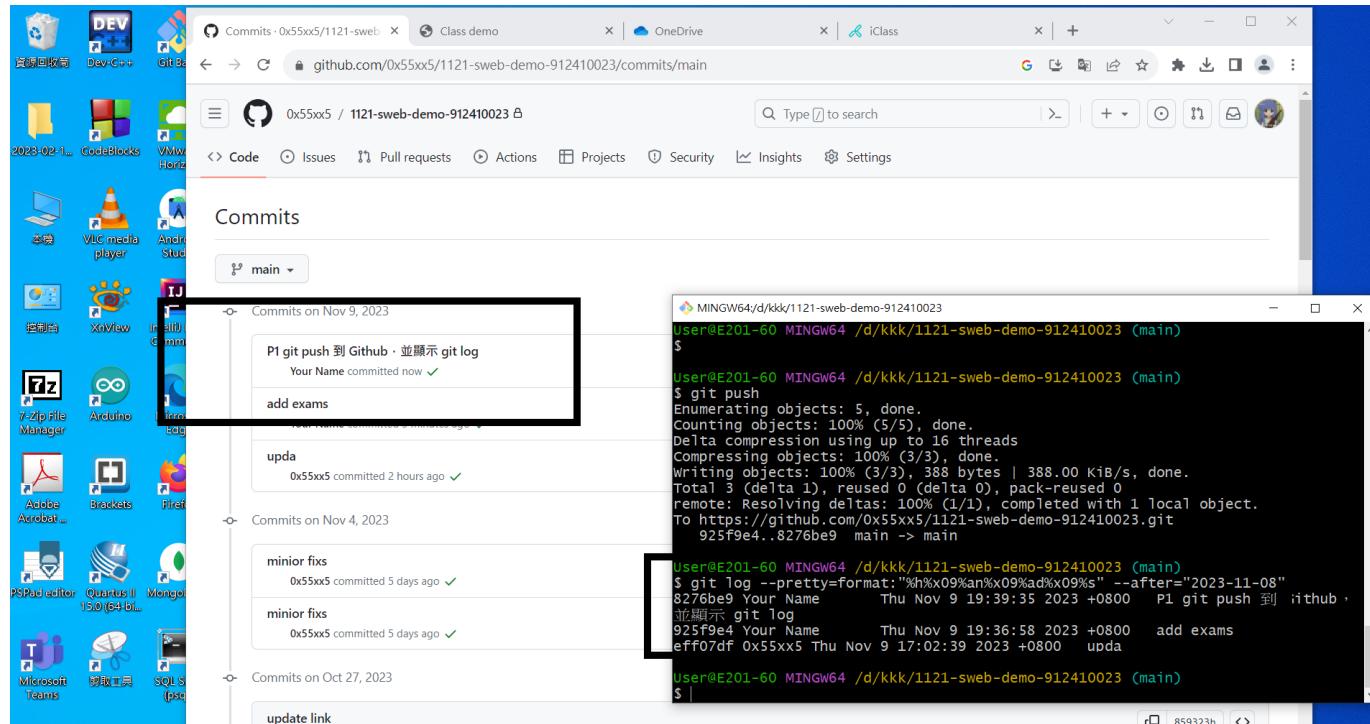
My Vercel URL of demo W5



(6%) P1-4: 將本次考題 mid1_xx 目錄下所有內容放入 exams/mid1 中，並將所有出現 xx 的目錄或檔案改成你的學號後兩碼，git push 到 Github 顯示如下圖



(6%) P1-5: P1 git push 到 Github · 並顯示 git log

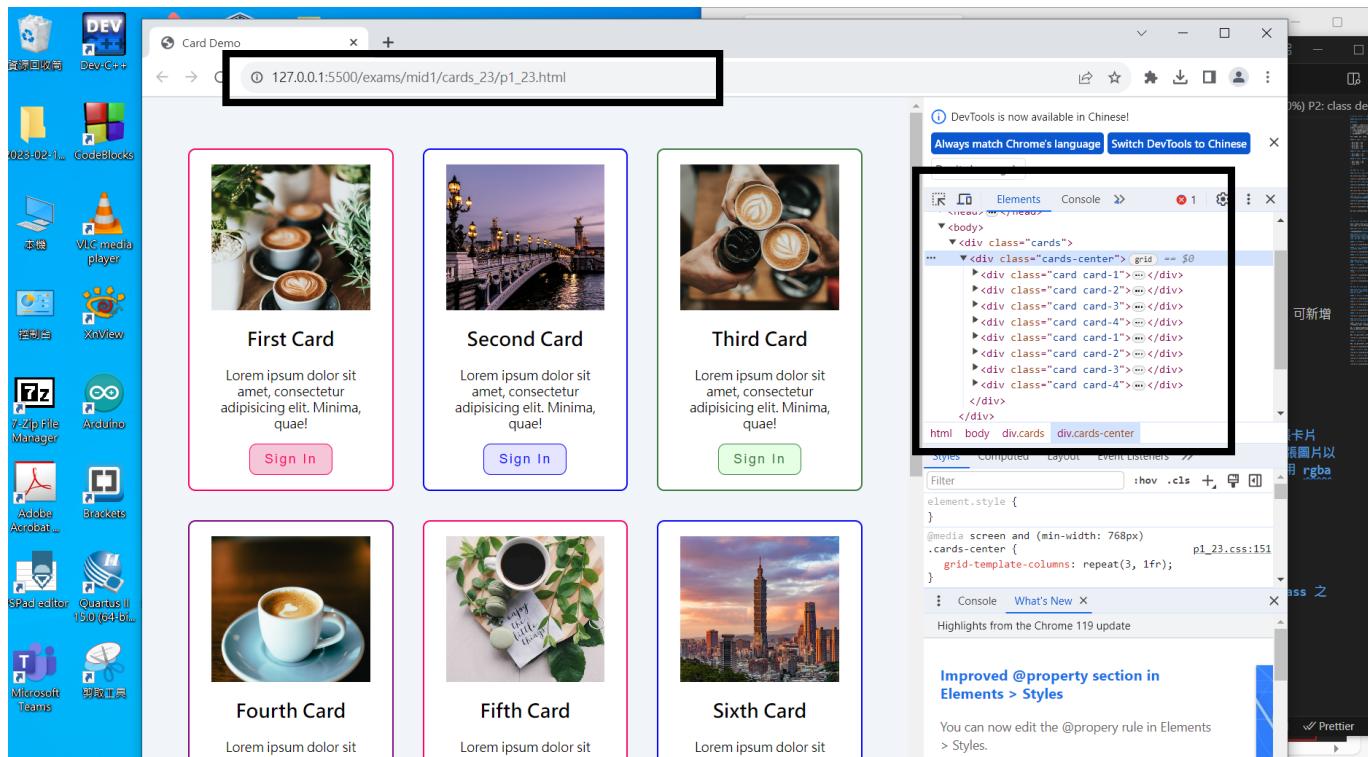


```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-11-08"
```

(40%) P2: class demo 延伸題 -- card

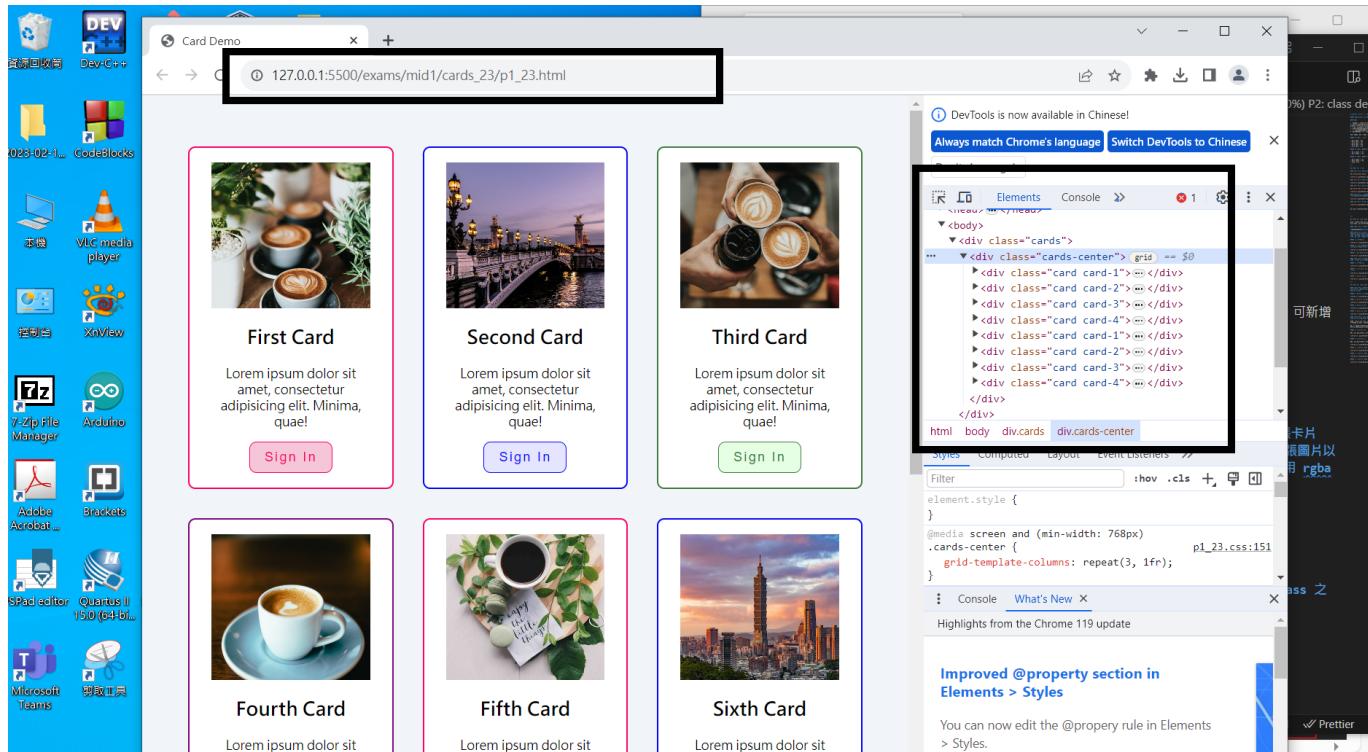
Note: 本大題是根據 quiz1 而來，原先老師放在 p1_xx.html 內的 class 不要更動，可新增其他 html, css 以回答本大題。

(20%) P2-1: 請根據老師所給的 p1_xx.html，原先是 6 張卡片，如下圖：

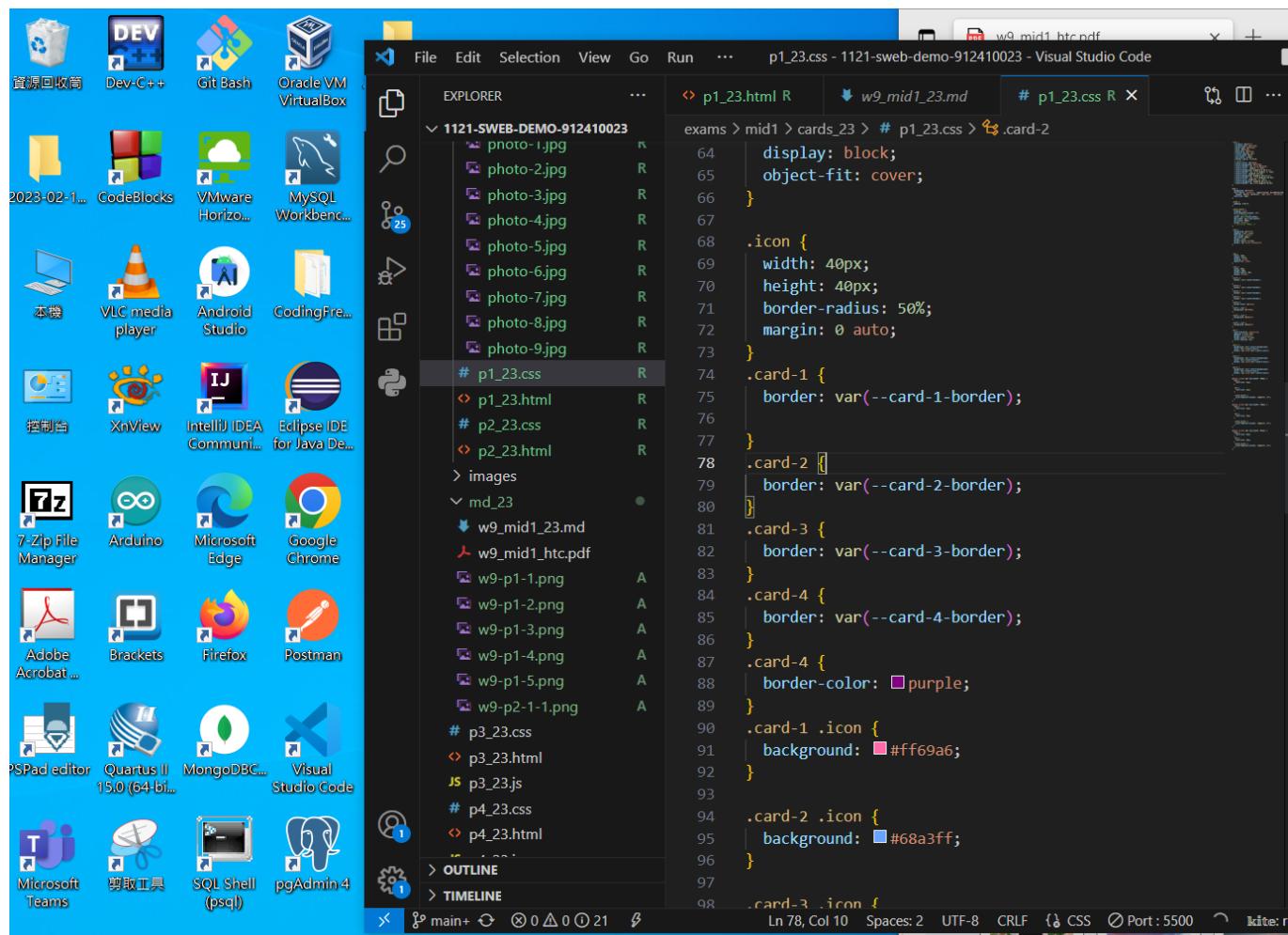


請修改 p1_xx.html, 並設定 css grid · 每一列顯示 4 張 cards · 要顯示 8 張卡片 (photo-1.jpg ~ photo-8.jpg) · 加入一個新的色系 · `rgb(161, 68, 238);` · 讓 8 張圖片以紅藍綠紫 · 紅藍綠紫方式呈現。新的色系背景 (`background-color`) 及邊界(`border`)請用 `rgba(161, 68, 238, ?)`的方式來表示

=> 本機端顯示



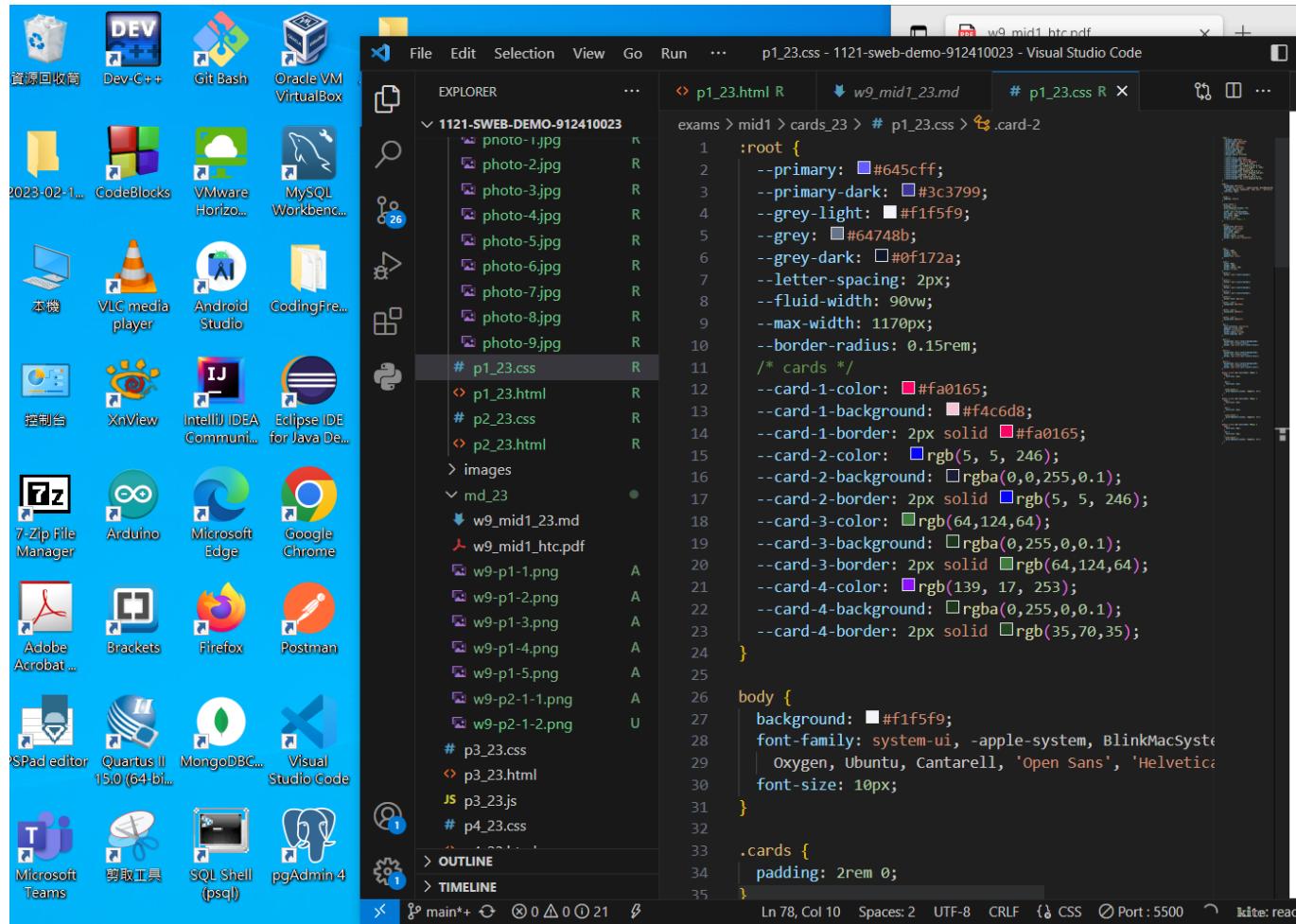
=> 顯示所有新色系會用到的 css · 包含變數設定及相關 `card-4`, `btn-4` 等 class 之 css · 請以多視窗顯示 · 截一張圖繳交



```

File Edit Selection View Go Run ...
p1_23.css - 1121-sweb-demo-912410023 - Visual Studio Code
# p1_23.css R # p1_23.css R X
explains > mid1 > cards_23 > # p1_23.css > .card-2
64 | display: block;
65 | object-fit: cover;
66 |
67 .icon {
68 | width: 40px;
69 | height: 40px;
70 | border-radius: 50%;
71 | margin: 0 auto;
72 |
73 .card-1 {
74 | border: var(--card-1-border);
75 |
76 .card-2 {
77 | border: var(--card-2-border);
78 |
79 .card-3 {
80 | border: var(--card-3-border);
81 |
82 .card-4 {
83 | border: var(--card-4-border);
84 |
85 .card-4 {
86 | border-color: purple;
87 |
88 .card-1 .icon {
89 | background: #ff69a6;
90 |
91 .card-2 .icon {
92 | background: #68a3ff;
93 |
94 .card-3 .icon {
95 | background: #f1f5f9;
96 |
97 .card-4 .icon {
98 | background: #3c3799;
Ln 78, Col 10 Spaces: 2 UTF-8 CRLF { CSS Port: 5500 Kite: read

```

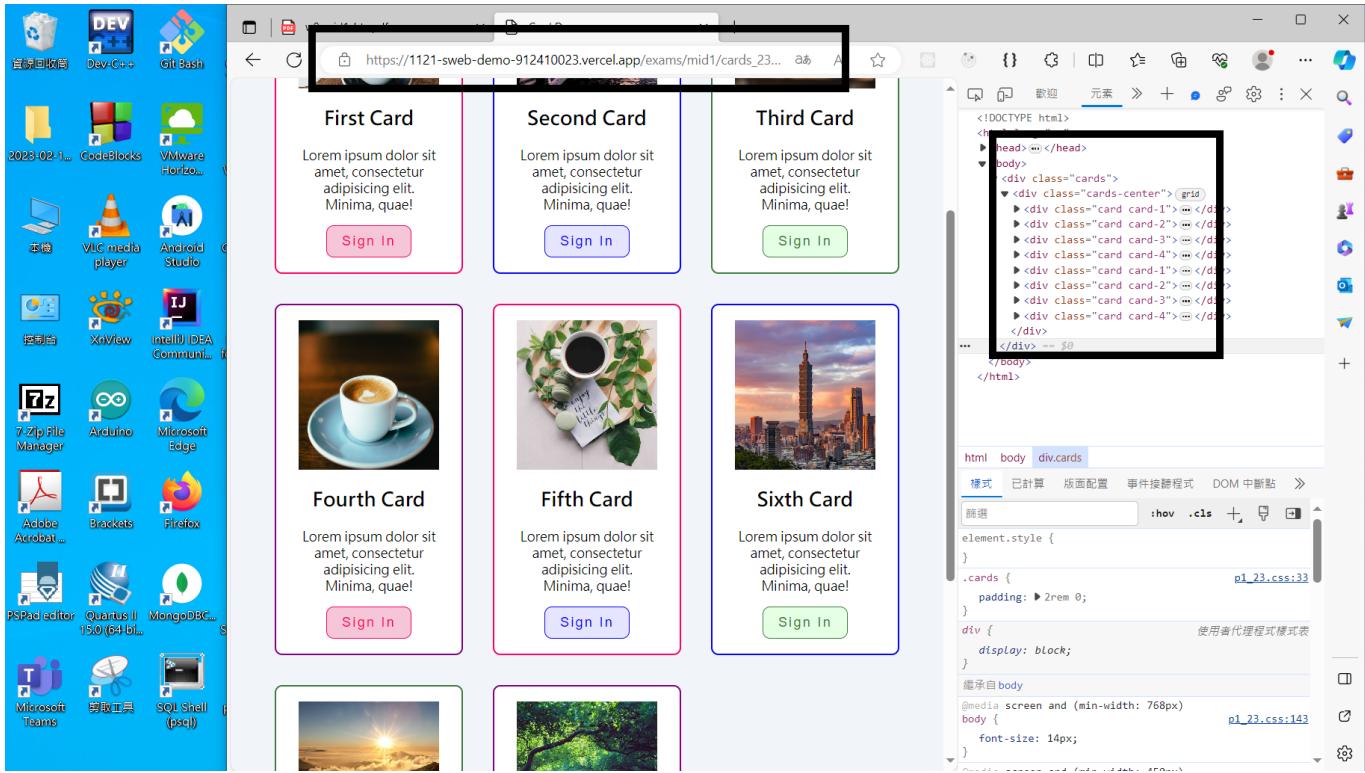


```

File Edit Selection View Go Run ...
p1_23.css - 1121-sweb-demo-912410023 - Visual Studio Code
# p1_23.css R # p1_23.css R X
explains > mid1 > cards_23 > # p1_23.css > .card-2
1 :root {
2 | --primary: #645cff;
3 | --primary-dark: #3c3799;
4 | --grey-light: #f1f5f9;
5 | --grey: #64748b;
6 | --grey-dark: #0f172a;
7 | --letter-spacing: 2px;
8 | --fluid-width: 90vw;
9 | --max-width: 1170px;
10 | --border-radius: 0.15rem;
11 |
12 /* cards */
13 | --card-1-color: #fa0165;
14 | --card-1-background: #f4c6d8;
15 | --card-1-border: 2px solid #fa0165;
16 | --card-2-color: #rgb(5, 5, 246);
17 | --card-2-background: rgba(0, 255, 0, 1);
18 | --card-2-border: 2px solid #rgb(5, 5, 246);
19 | --card-3-color: #rgb(64, 124, 64);
20 | --card-3-background: rgba(0, 255, 0, 1);
21 | --card-3-border: 2px solid #rgb(64, 124, 64);
22 | --card-4-color: #rgb(139, 17, 253);
23 | --card-4-background: rgba(0, 255, 0, 1);
24 | --card-4-border: 2px solid #rgb(35, 70, 35);
25 |
26 body {
27 | background: #f1f5f9;
28 | font-family: system-ui, -apple-system, BlinkMacSystemFont, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
29 | font-size: 10px;
30 |
31 .cards {
32 | padding: 2rem 0;
33 |
34 }
35 |
Ln 78, Col 10 Spaces: 2 UTF-8 CRLF { CSS Port: 5500 Kite: read

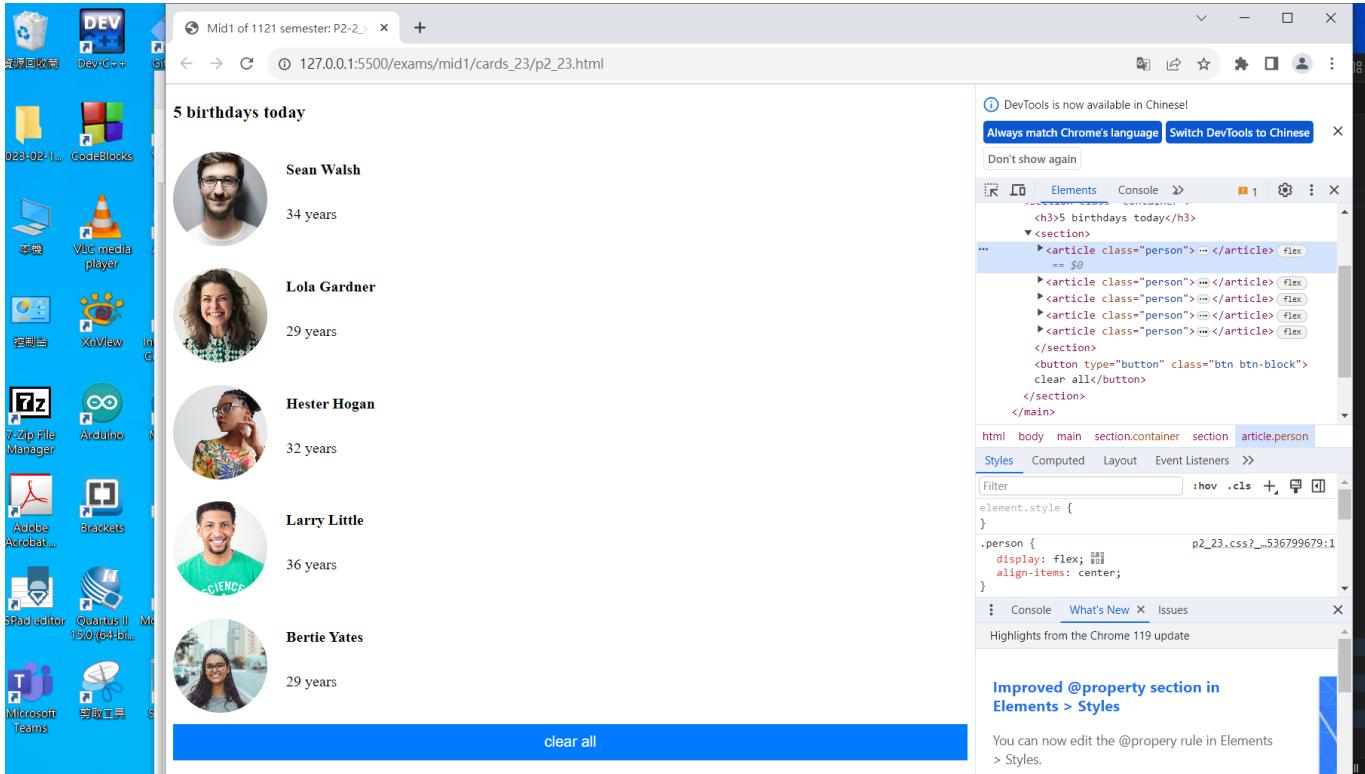
```

=> Git push 到 Vercel · 能顯示本題結果



(20%) P2-2: 請根據老師已給的 p2_xx.html, p2_xx.css 實作畫面如下 · p2_xx.html 裡面所設定的 class 名稱請不要修改。

=> 本機端顯示



=> 顯示 p2_xx.css 本題用到的部分 · 只要一張截圖即可 · 同一個 css 可以在多個試窗中顯示

```

.exams > mid1 > cards_23 > # p2_23.css > person

.person {
    display: flex;
    align-items: center;
}

.person .img {
    border-radius: 50%;
    width: 100px;
    height: 100px;
    object-fit: cover;
    margin-right: 20px;
}

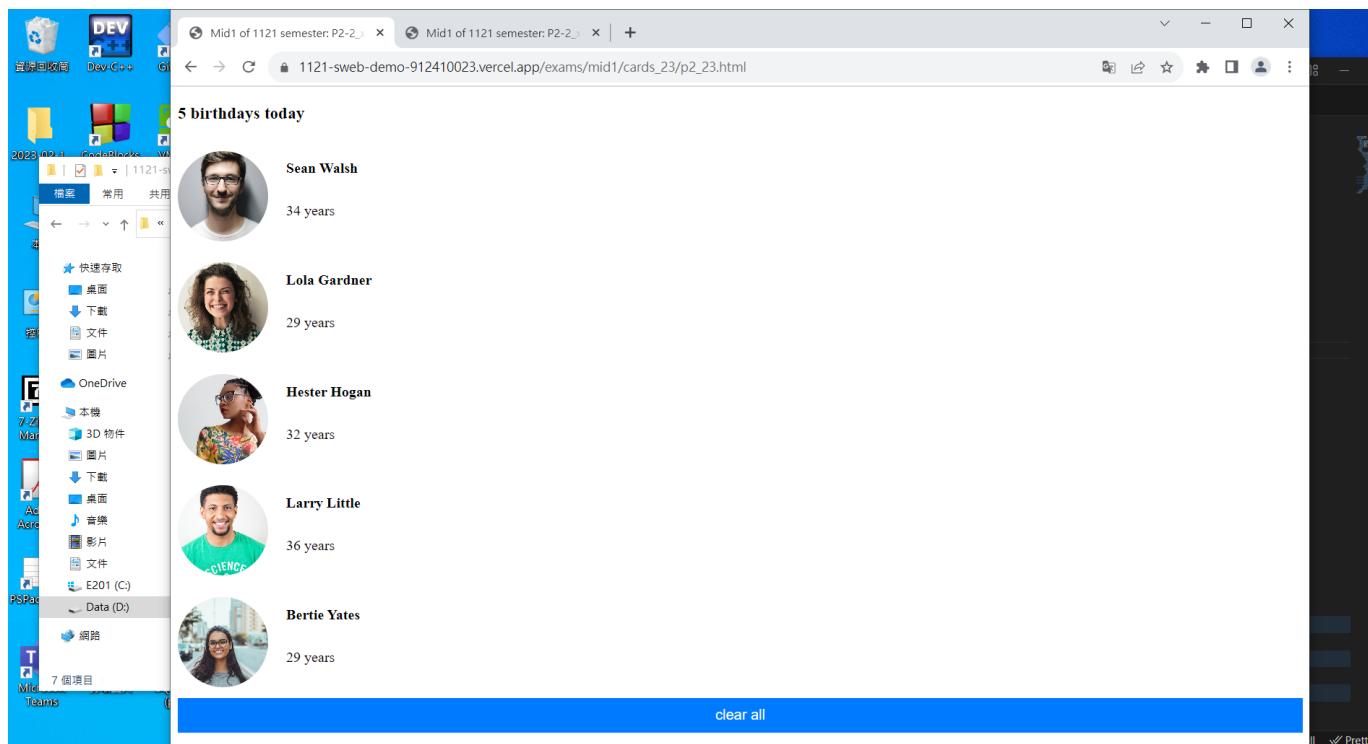
.person div {
    display: flex;
    flex-direction: column;
}

.btn {
    display: inline-block;
    padding: 10px 20px;
    font-size: 16px;
    border: none;
    background-color: #007BFF;
    color: white;
    text-align: center;
    cursor: pointer;
    width: 100%;
}

h4 {
    letter-spacing: normal;
    text-transform: capitalize;
    line-height: 1.25;
    margin-bottom: 0.75rem;
}

```

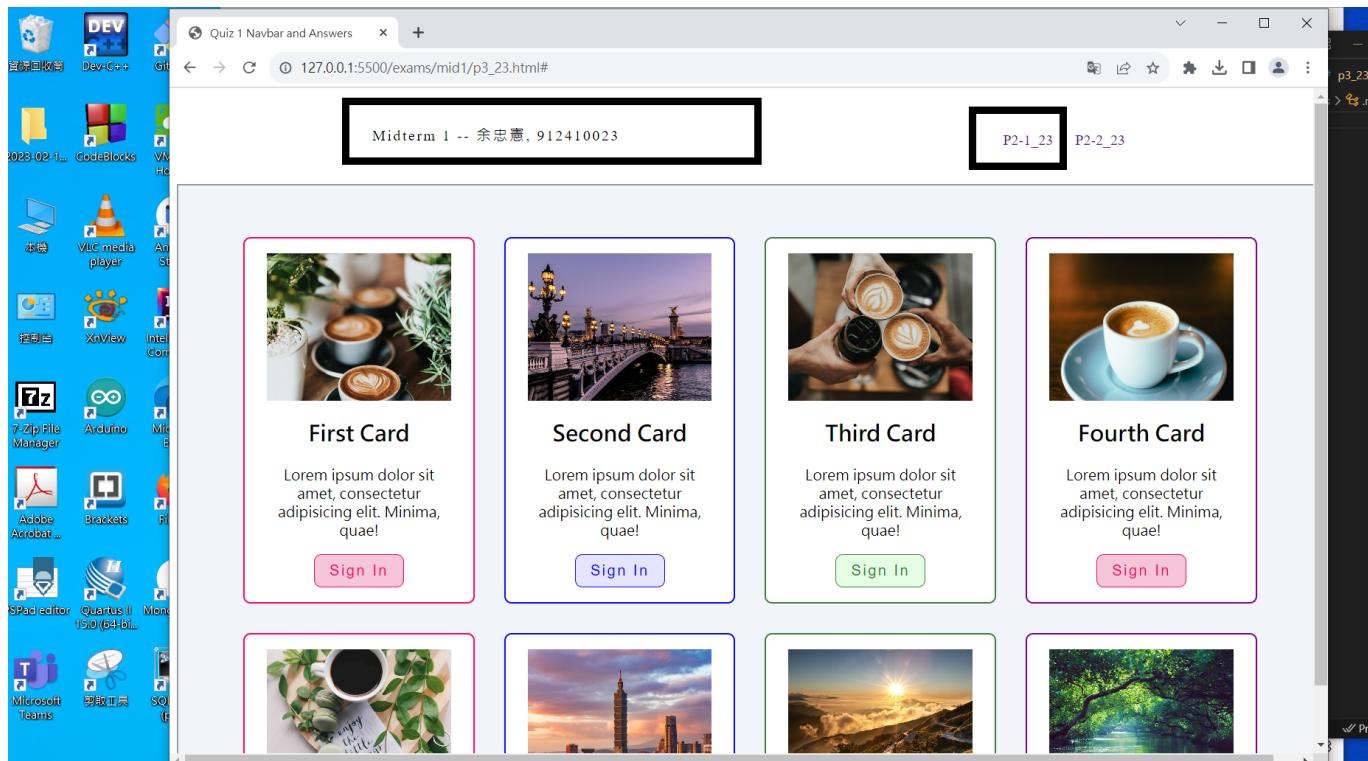
=> Vercel 上顯示



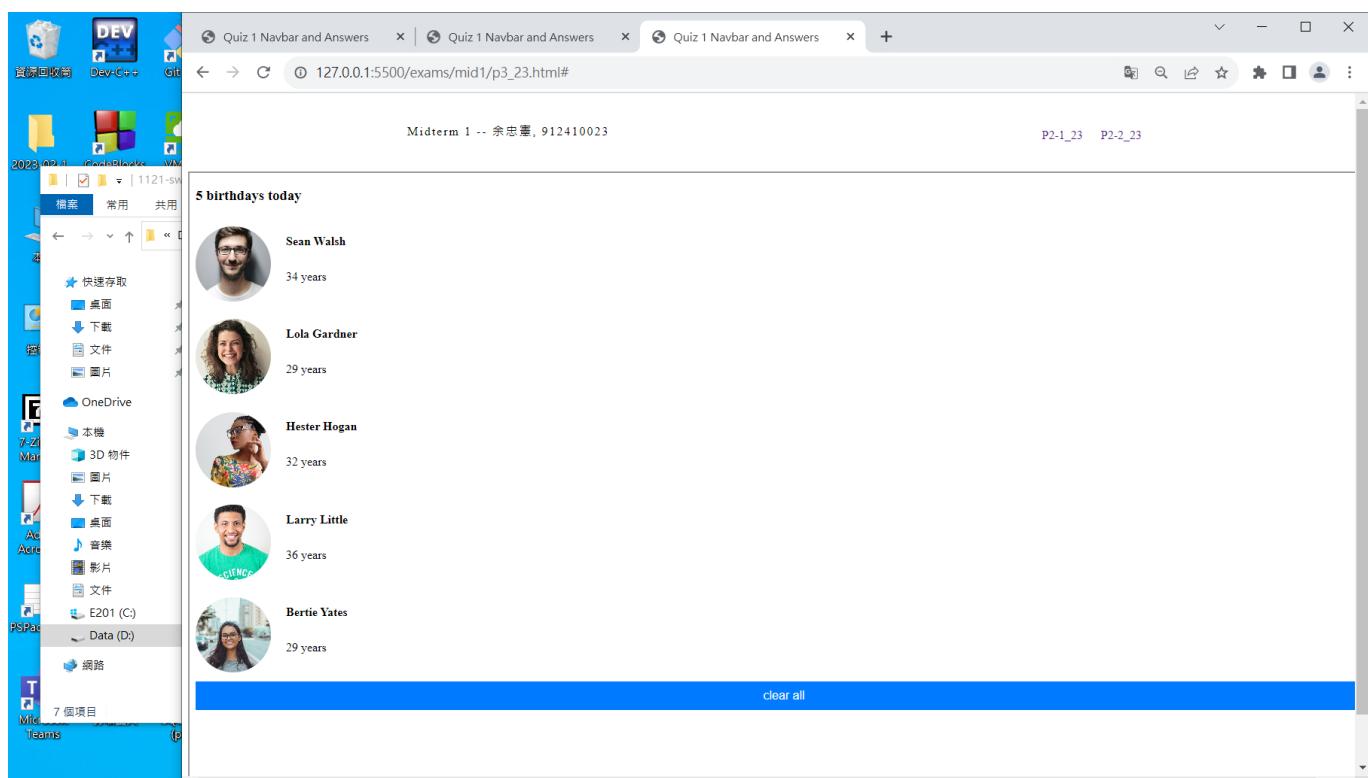
(30%) P3: class demo 延伸題 -- nav

(15%) P3-1: 請根據老師所給的 **p3_xx.html**，在 **html** 加入你的學號姓名，並加入 **css**，顯示選單如下圖。
p3_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)。

=> P2-1_xx 題，瀏覽器結果



=> P2-2_xx 題，瀏覽器結果



=> p3_xx.js 截圖

```

function showPage(index) {
    const p = document.querySelector('.show-mid1-answer');
    console.log('p', p);

    switch(index) {
        case 'P2-1':
            p.innerHTML = `<iframe src="./cards_23/p1_23.html" width="100% height="100%" border="1">`;
            break;
        case 'P2-2':
            p.innerHTML = `<iframe src="./cards_23/p2_23.html" width="100% height="100%" border="1">`;
            break;
    }
}

```

=> P3_xx.css 截圖 (放入兩個視窗，一張圖顯示)

```

.mid1_nav-center {
    display: flex;
    justify-content: space-around;
    width: 100%;
    max-width: var(--max-width);
    margin: 0 auto;
}

.mid1_nav-links {
    display: flex;
    justify-content: center;
    align-items: center;
    gap: 1.5rem;
}

.a {
    text-decoration: none;
}

.show-mid1-answer {
    width: 100vw;
    height: calc(100vh - 4rem);
}

```

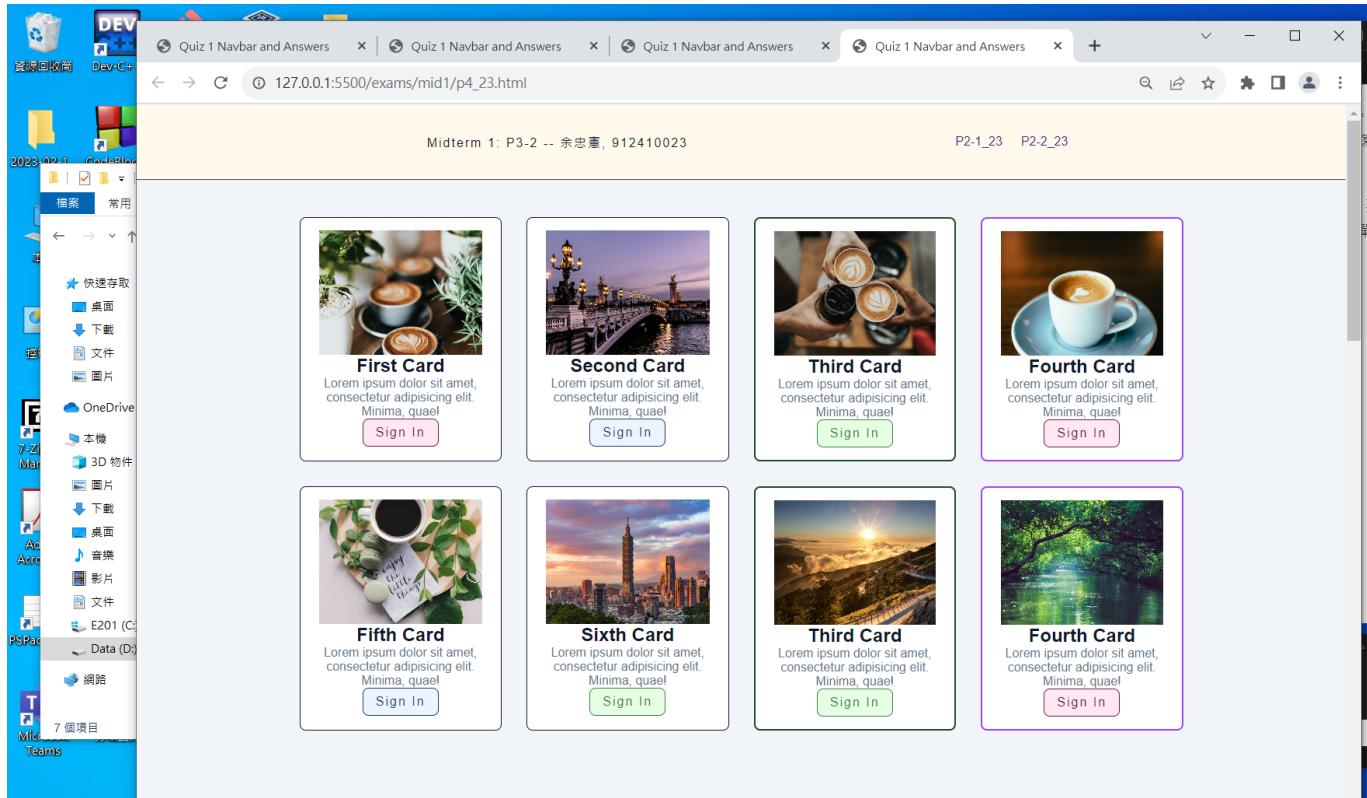
(15%) P3-2: 本題主要實作 landing page，要將 P2-1, P2-2 結果顯示在同一個網頁上。點選 P2-1 時，跳至 P2-1 題答案，點選 P2-2 時，跳至 P2-2 答案。

請先將 p3_xx.css 含選單部分 css 複製一份到 p4_xx.css。用老師已給的 p4_xx.html，開始作答。p4_xx.html 老師已經寫好的框架及 class 名稱，除非必要請不要改變。

要使用 navbar-fixed，讓選單固定在畫面上。點選 P2-2_x 要看到此固定選單，但當點選 P2-1_xx 時，navbar-fixed 選單固定會不見。

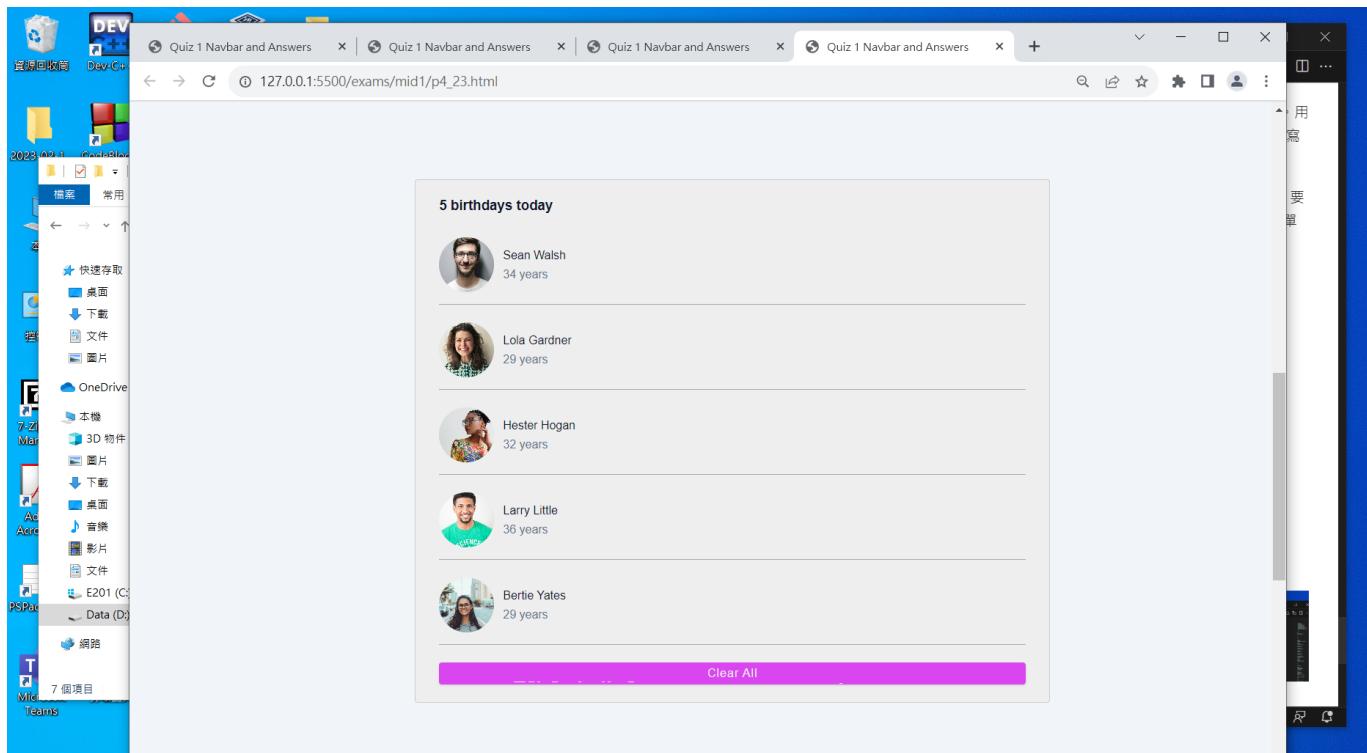
=> 點選 P2-1_xx

如果 CSS 跑掉，請自行修改成類似下圖



=> 點選 P2-2_xx

如果 CSS 跑掉，請自行修改成類似下圖



=> 顯示本題對應的 html (用多個視窗呈現，截一張圖)

The screenshot shows a Visual Studio Code interface with three tabs open. The left sidebar contains icons for various applications like Dev-C++, Git Bash, Oracle VM VirtualBox, CodeBlocks, VMware Horizon, MySQL Workbench, VLC media player, Android Studio, CodingFever, XnView, IntelliJ IDEA Community, Eclipse IDE for Java Developers, 7-zip File Manager, Arduino, Microsoft Edge, Google Chrome, Adobe Acrobat, Brackets, Firefox, Postman, PSPad editor, Quartus II 15.0 (64-bit), MongoDB, and Visual Studio Code. The top menu includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The status bar at the bottom shows 'Ln 18, Col 15' and other file details.

```

<div id="mid1_nav-center">
  <ul>
    <li><a href="#section-p2-2" onclick="test2()">P2-2</a></li>
    <li><a href="#">P2-3</a></li>
  </ul>
</div>

```

=> 顯示本題對應的 css (用多個視窗呈現，截一張圖)

The screenshot shows a Visual Studio Code interface with five tabs open. The left sidebar contains icons for various applications like Dev-C++, Git Bash, Oracle VM VirtualBox, CodeBlocks, VMware Horizon, MySQL Workbench, VLC media player, Android Studio, CodingFever, XnView, IntelliJ IDEA Community, Eclipse IDE for Java Developers, 7-zip File Manager, Arduino, Microsoft Edge, Google Chrome, Adobe Acrobat, Brackets, Firefox, Postman, PSPad editor, Quartus II 15.0 (64-bit), MongoDB, and Visual Studio Code. The top menu includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The status bar at the bottom shows 'Ln 395, Col 16' and other file details.

```

.midi_nav {
  background-color: var(--clr-primary-10);
  height: 4rem;
  padding: 1rem;
  display: flex;
  align-items: center;
  border-bottom: 1px solid var(--clr-grey-3);
}

.midi_nav-center {
  display: flex;
  justify-content: space-around;
  width: 100%;
  max-width: var(--max-width);
  margin: 0 auto;
}

.midi_nav-links {
  display: flex;
  justify-content: center;
  align-items: center;
  gap: 1.5rem;
}

```

=> 顯示本題對應的 js (用多個視窗呈現，截一張圖)

```
exams > mid1 > p4_23.html > html > body > nav#mid1_nav.mid1_nav.
8 "stylesheet" href="/p4_23.css">
9
10
11 <!--
12 =>#mid1_nav " id="mid1_nav"
13 ss="mid1_nav-center">
14 av header -->
15 lass="mid1_nav-header">
16 term 1: P3-2 -- 余忠蕙, 912410023
17
18 av links -->
19 ass="mid1_nav-links">
20
21 href="#section-p2-1" onclick="test1()">P2-1_23<
22
23 href="#section-p2-2" onclick="test2()">P2-2_23<
24
25
26
27
28
29
30 ection-p2-1" class="p2-1">
31 ss="cards">
32 lass="cards-center">
33 class="card card-1">
34 ng src= ./images/photo-1.jpg alt="Coffee photo"
35
36 > js
37 > index.html
38 README.md
39 tmp.md
40
41 --><div class="icon"></div> -->
```

The screenshot shows the Visual Studio Code interface with two tabs open: 'p3_23.js' and 'p4_23.js'. The code in 'p4_23.js' is a JavaScript file containing event listeners for two navigation links. It uses the 'document.addEventListener' method to listen for 'click' events on elements with IDs 'P2-1_23' and 'P2-2_23'. When a link is clicked, it calls either 'test1()' or 'test2()'. These functions then manipulate the CSS classes of the 'mid1_nav' element and scroll the page. The 'p3_23.js' tab is also visible in the background.