

# (60%) 靜態網頁 期末考 1 -- 斷網考試

2025-1-2, at E201, 18:20 ~ 20:50

## 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 ans\_final1\_43.pdf，還有 final1\_43.zip，共 2 個檔案，如果 final1\_43.zip 檔案超過 iClass 之限制 (15MB)，壓縮前請先刪除 images, webfonts, demo 等目錄
3. 請直接將答案寫在 md\_final1\_43/ans\_final1\_43.md 上，老師出題及圖片放在 ans\_final1\_htc.pdf 上，請依照老師所給的圖片來實作並標註
4. 跟期末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。
7. (Name, ID): (?, ?) 問號處要填入姓名及學號

Your (Name, ID): (許勝翔, 213410243)

- P1 (18%): 18 分
- P2 (18%): 18 分
- P3 (18%): 18 分
- P4 (6%): 6 分

總分: 100 分

請以老師在本考試提供的 code 來實作，包含 nav，不要以小考 2 之 nav 來作答，有題目會將 小考 2 老師提供的解答，放入本題來回答。

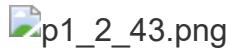
## (18%) P1: 請實作 final\_p1\_43.html 要能顯示如下圖

1. 請實作 P1\_43, P2\_43 選項
2. scss 請放入 scss/final\_p1\_43.scss 中，要用 scss 來產生 css。如果和之前上課 demo 或小考 2 的 css 有衝到，請修改 final\_p1\_43.html 之 class 名稱，及相對應 final\_p1\_43.scss，以避免衝突。
3. js 請放入 js/final\_43.js 中 (本次期末考所出題目，有用到 js 的部分，請全部放入 final\_43.js 中)

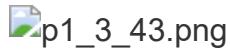
=> Chrome 顯示結果如下圖



=> 顯示 P1 使用到的檔案

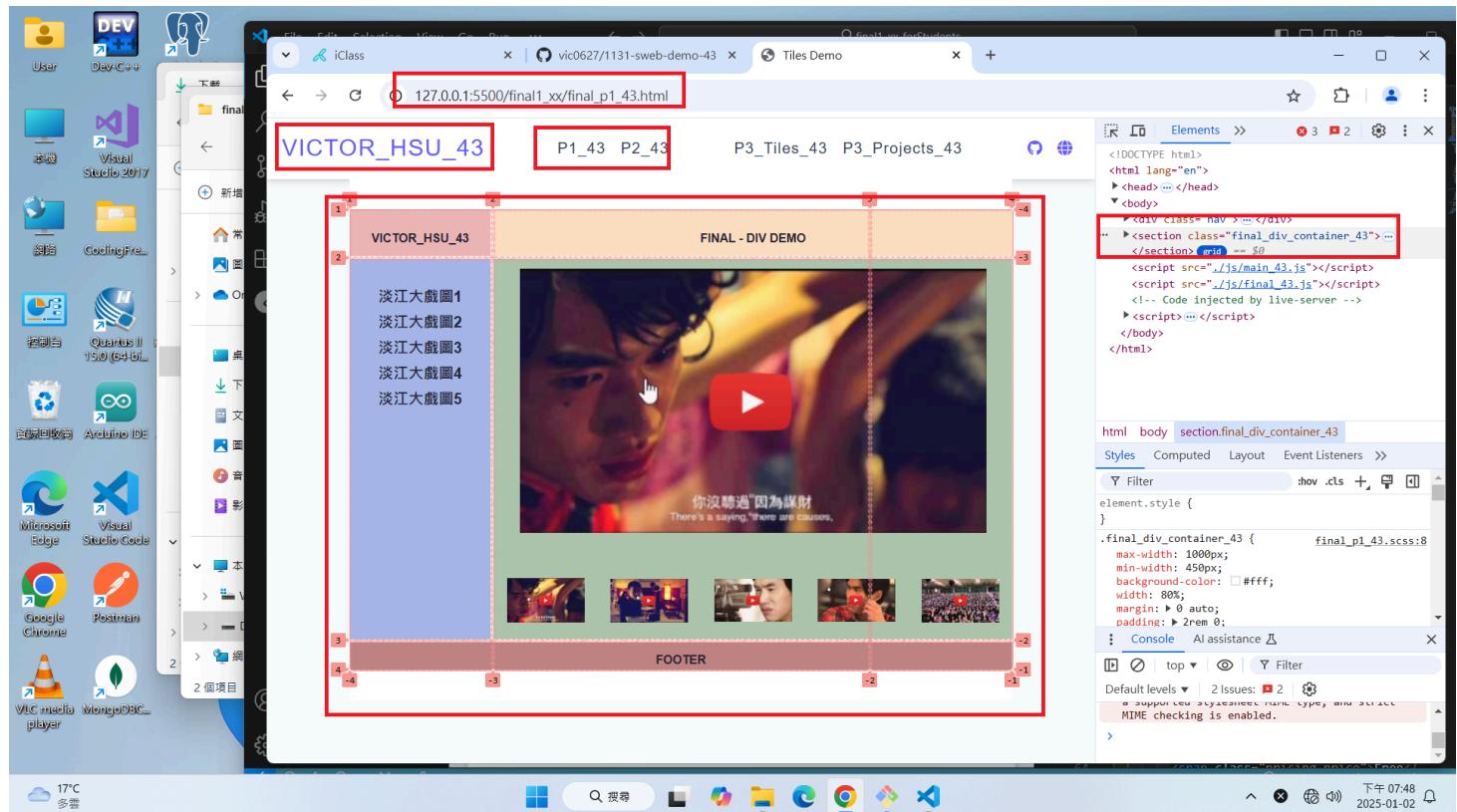


=> html 中請用 final\_player 來顯示淡江大戲的圖片，切換圖片的 function 是 final\_showTKU60(num) ，如下圖所示

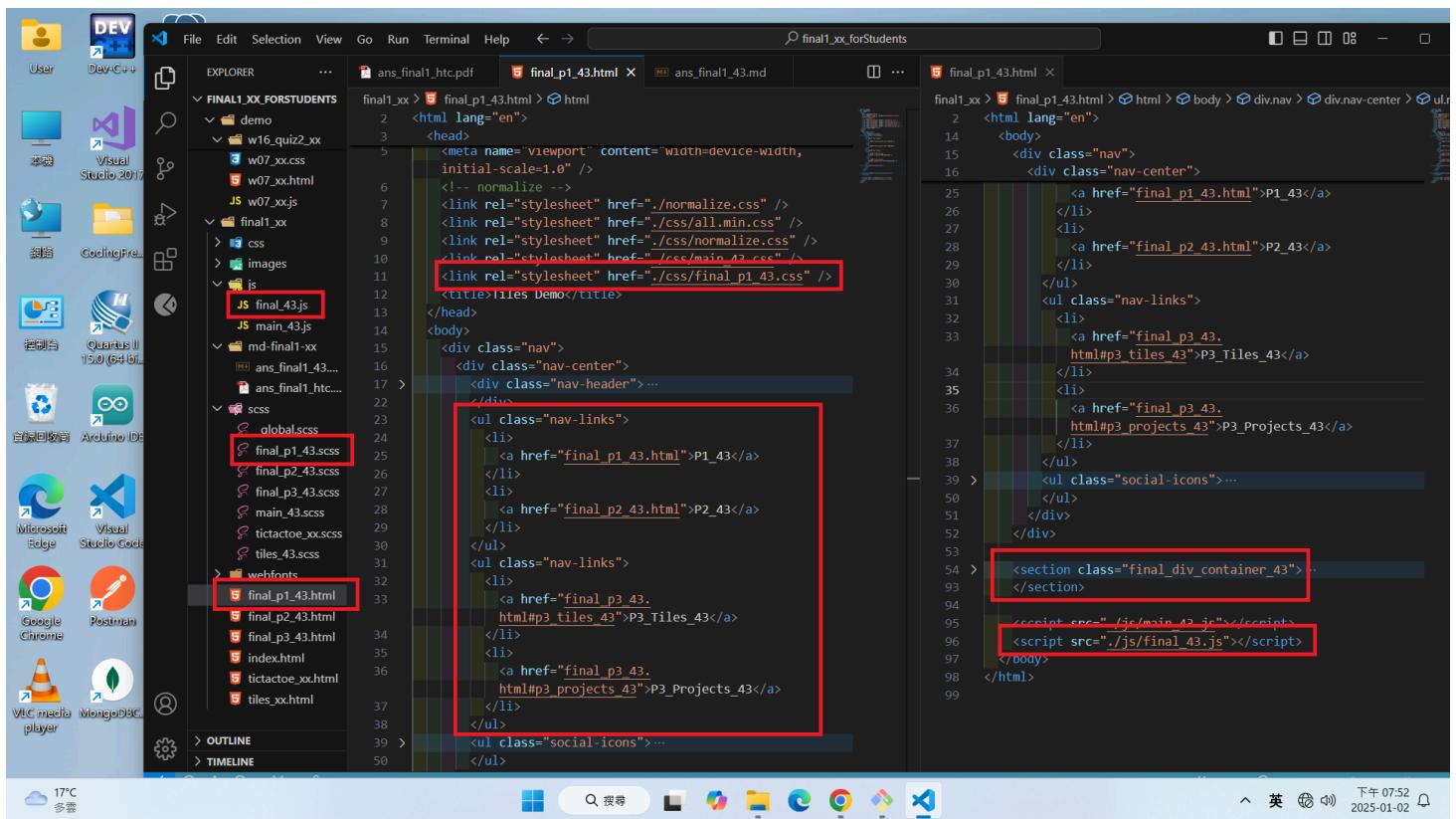


## Your Answer

=> 顯示 Chrome 結果，如上圖



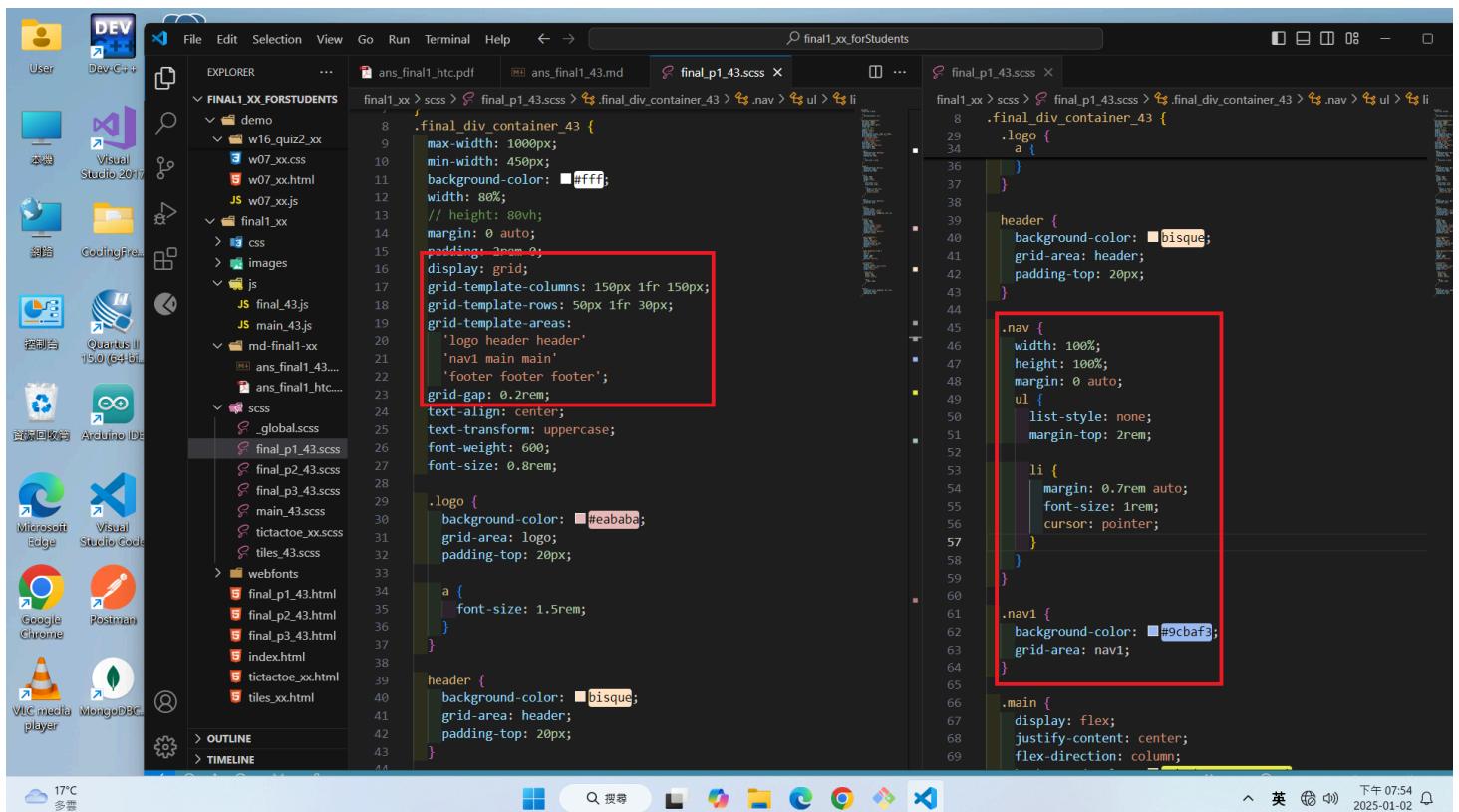
=> 顯示 P1 使用到的 html，如上圖，其中 nav-links 要展開



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

- File Explorer:** Shows the project structure under `FINAL1_XX_FORSTUDENTS`. Files include `final1_xx.css`, `w16_quiz2_xx.css`, `final1_xx.css`, `final1_xx.js`, `final_p1_43.css`, `final_p1_43.html`, `final_p1_43.md`, and `final_p1_43.js`.
- Code Editor:** Displays the `final_p1_43.html` file. A red box highlights the `<ul class="nav-links">` section, which contains links to `P1_43`, `P2_43`, `P3_Tiles_43`, and `P3_Projects_43`.
- Terminal:** Shows the command `final_p1_43.html`.
- Status Bar:** Shows the date and time as `2025-01-02 下午 07:52`.

=> 顯示 final\_p1\_43.scss 中 final\_div\_container\_43 選擇器相關的 scss，請標註跟 css grid 有關，你所修改的重點 code



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

- File Explorer:** Shows the project structure under `FINAL1_XX_FORSTUDENTS`. Files include `final1_xx.css`, `w16_quiz2_xx.css`, `final1_xx.css`, `final1_xx.js`, `final_p1_43.css`, `final_p1_43.html`, `final_p1_43.md`, and `final_p1_43.js`.
- Code Editor:** Displays the `final_p1_43.scss` file. Two sections are highlighted with red boxes:
  - `final1_xx > scss > final_p1_43.scss > .final_div_container_43 {`: This block contains CSS rules for a grid-based layout, including `max-width: 1000px;`, `min-width: 450px;`, `background-color: #fff;`, `width: 80%;`, `height: 80vh;`, `margin: 0 auto;`, `padding: 2rem 0;`, `display: grid;`, `grid-template-columns: 150px 1fr 150px;`, `grid-template-rows: 50px 1fr 30px;`, `grid-template-areas:`, and `grid-gap: 0.2rem;`.
  - `.nav {`: This block contains rules for the navigation bar, including `width: 100%;`, `height: 100%;`, `margin: 0 auto;`, and `ul {` (which further defines `list-style: none;` and `margin-top: 2rem;`).
- Terminal:** Shows the command `final_p1_43.html`.
- Status Bar:** Shows the date and time as `2025-01-02 下午 07:54`.

=> 顯示切換淡江大戲圖片相關的 html 及 js code

**(18%) P2:** 請以老師所給的 final\_p2\_43.html 來實作，得到如下圖的結果，細節說明如下：

1. scss 請放入 scss/final\_p2\_43.scss 中，要用 scss 來產生 css。如果和之前上課 demo 或小考 2 的 css 有衝到，請修改 final\_p2\_43.html 之 class 名稱，及相對應 final\_p2\_43.scss，以避免衝突。
  2. js 請放入 js/final\_43.js 中
  3. 本題之 css 可以用 css grid, 也可以用 flex box

=> 顯示 Chrome 結果，3 個 price plans 全部顯示在同一列上

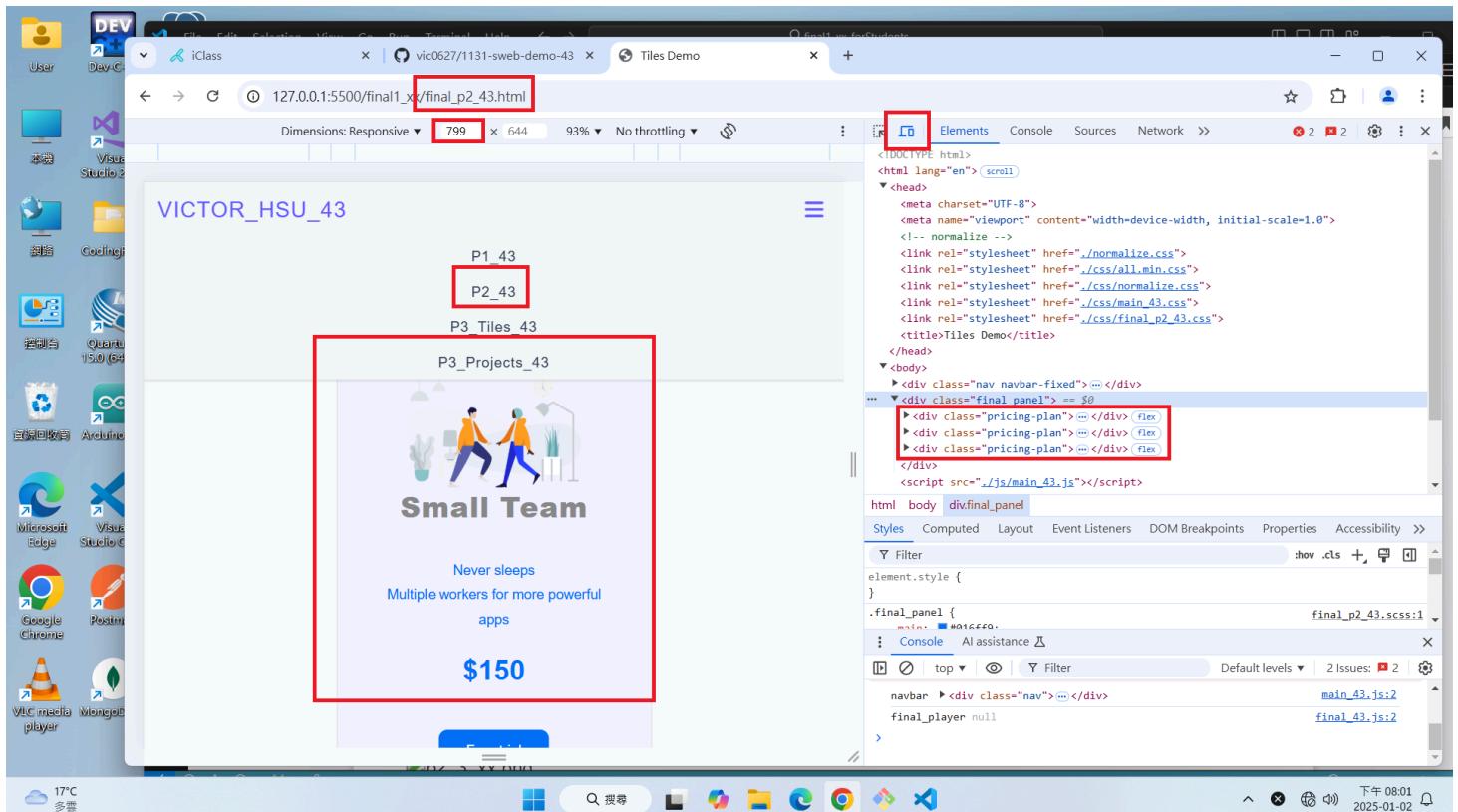
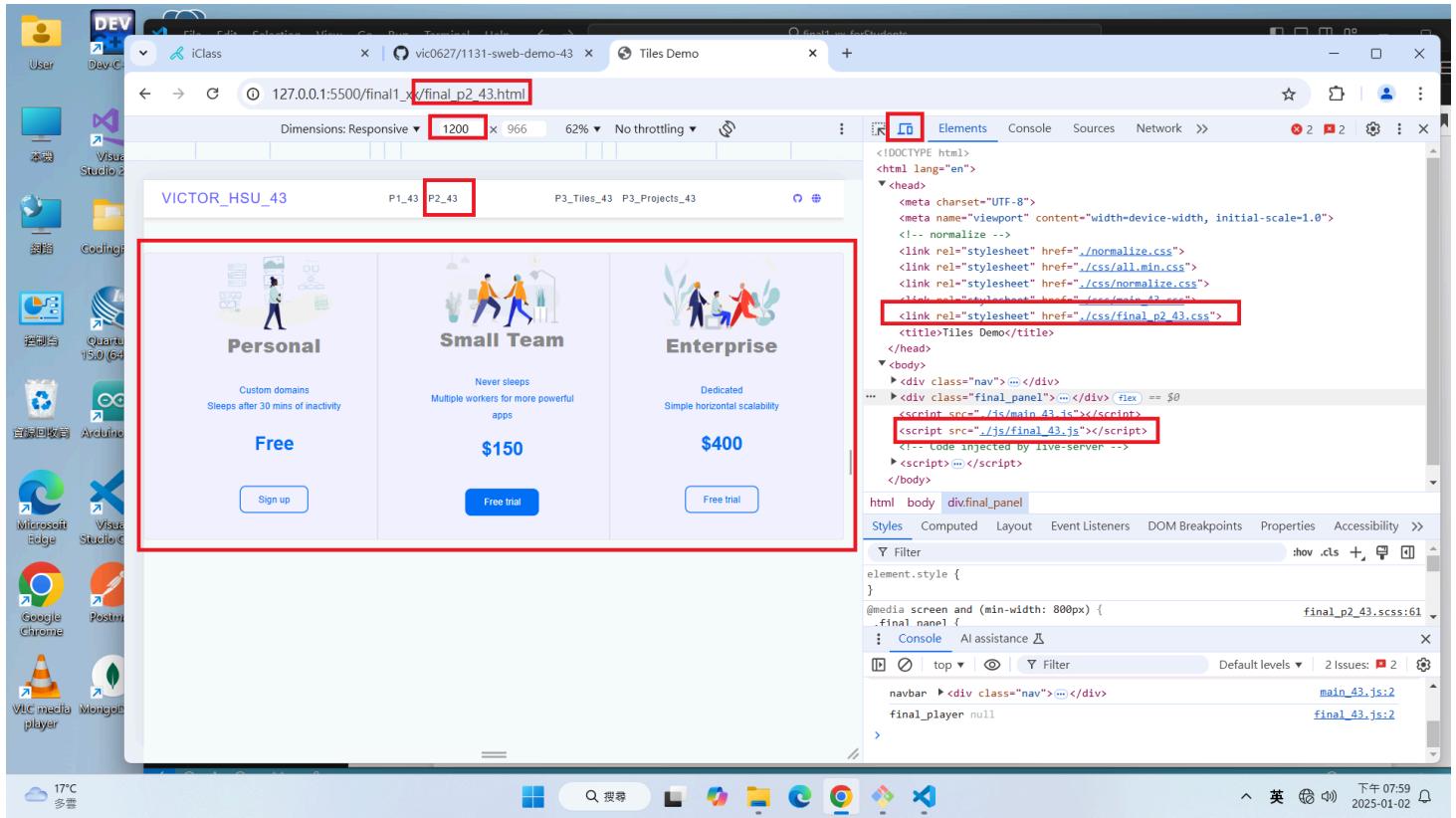


=> 請作響應式，當 min-width 小於 800px 時，每列僅顯示一個 price plan，截圖請顯示最後一個 price plan，如老師之截圖

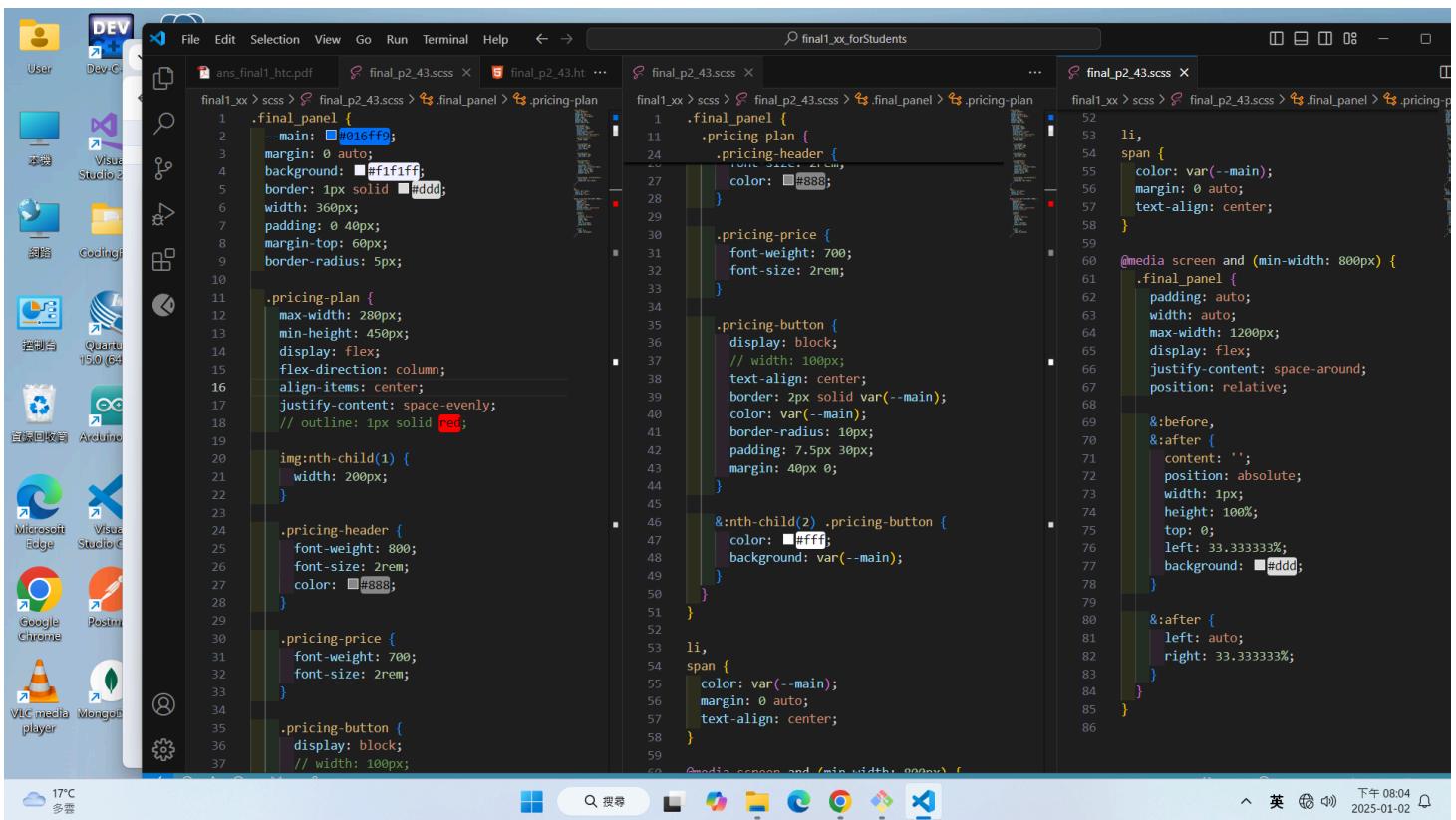


# Your Answer

=> 顯示 Chrome 結果，如上圖



=> 所有 scss



```
final1_xx > scss > final_p2_43.scss > .final_panel > .pricing-plan
1 .final_panel {
2   --main: #01eff9;
3   margin: 0 auto;
4   background: #f1f1ff;
5   border: 1px solid #ddd;
6   width: 360px;
7   padding: 0 40px;
8   margin-top: 60px;
9   border-radius: 5px;
10
11 .pricing-plan {
12   max-width: 280px;
13   min-height: 450px;
14   display: flex;
15   flex-direction: column;
16   align-items: center;
17   justify-content: space-evenly;
18   // outline: 1px solid red;
19
20   img:nth-child(1) {
21     width: 200px;
22   }
23
24   .pricing-header {
25     font-weight: 800;
26     font-size: 2rem;
27     color: #888;
28   }
29
30   .pricing-price {
31     font-weight: 700;
32     font-size: 2rem;
33   }
34
35   .pricing-button {
36     display: block;
37     // width: 100px;
38   }
39
40   li,
41   span {
42     color: var(--main);
43     margin: 0 auto;
44     text-align: center;
45   }
46
47   &:nth-child(2) .pricing-button {
48     color: #fff;
49     background: var(--main);
50   }
51
52   li,
53   span {
54     color: var(--main);
55     margin: 0 auto;
56     text-align: center;
57   }
58
59
60 @media screen and (min-width: 800px) {
61   .final_panel {
62     padding: auto;
63     width: auto;
64     max-width: 1200px;
65     display: flex;
66     justify-content: space-around;
67     position: relative;
68
69   &:before,
70   &:after {
71     content: '';
72     position: absolute;
73     width: 1px;
74     height: 100%;
75     top: 0;
76     left: 33.33333333333333%; // 33.33333333333333%
77     background: #ddd;
78   }
79
80   &:after {
81     left: auto;
82     right: 33.33333333333333%; // 33.33333333333333%
83   }
84
85
86 }
```

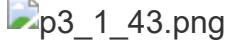
(18%) P3: 請以老師所給的 final\_p3\_43.html 來實作，得到如下圖的結果，細節說明如下：

1. 可以參考小考 2 老師提供的答案相關的 code，來實作本題，但本題的選單不可以使用小考 2 的選單
2. scss 請放入 scss/final\_p3\_43.scss 中，要用 scss 來產生 css。如果和之前上課 demo 或小考 2 的 css 有衝到，請修改 final\_p3\_43.html 之 class 名稱，及相對應 final\_p3\_43.scss，以避免衝突。

=> 請實作選單 P3\_Tiles\_43, P3\_Projects\_43，點選 P3\_Projects\_43，Chrome 顯示結果如下

1. 請用響應式設定螢幕寬度為 1200px
2. projects section 之 class 選擇器請用 "final\_projects\_43"，id 請用 "p3\_projects\_43"，管理 projects 的 class 選擇器要改成 "final\_projects-center"
3. 圖片要如下圖所顯示的排列方式
4. navbar-fixed 要能顯示
5. 點選 P3\_Projects\_43 十，網址列顯示的是

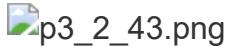
[http://127.0.0.1:5500/final\\_p3\\_43.html#p3\\_projects\\_43](http://127.0.0.1:5500/final_p3_43.html#p3_projects_43)



=> 點選 Tiles\_43 · Chrome 顯示結果如下

1. 請用響應式設定螢幕寬度為 1200px
2. tiles section 之 class 選擇器請用 "final\_tiles\_43" · id 請用 "p3\_projects\_43"
3. 圖片要如下圖所顯示的排列方式
4. navbar-fixed 要消失
5. 點選 P3\_Tiles\_43 + · 網址列顯示的是

[http://127.0.0.1:5500/final\\_p3\\_43.html#p3\\_tiles\\_43](http://127.0.0.1:5500/final_p3_43.html#p3_tiles_43)



## Your Answer

=> 請實作選單 P3\_Tiles\_43, P3\_Projects\_43 · 點選 P3\_Projects\_43 · Chrome 顯示結果如下

1. 請用響應式設定螢幕寬度為 1200px
2. projects section 之 class 選擇器請用 "final\_projects\_43" · id 請用 "p3\_projects\_43" · 管理 projects 的 class 選擇器要改成 "final\_projects-center"
3. 圖片要如下圖所顯示的排列方式
4. navbar-fixed 要能顯示
5. 點選 P3\_Projects\_43 + · 網址列顯示的是

[http://127.0.0.1:5500/final\\_p3\\_43.html#p3\\_projects\\_43](http://127.0.0.1:5500/final_p3_43.html#p3_projects_43)

The screenshot shows a browser window with the following details:

- URL Bar:** Shows the URL [http://127.0.0.1:5500/final\\_p3\\_43.html#p3\\_projects\\_43](http://127.0.0.1:5500/final_p3_43.html#p3_projects_43).
- Dimensions:** Set to Responsive with a width of 1200px.
- Content:** A sidebar on the left shows user information: VICTOR\_HSU\_43. Below it are sections for P1\_43, P2\_43, P3\_Tiles\_43, and P3\_Projects\_43. The P3\_Projects\_43 section is highlighted with a red box.
- Grid View:** A grid of five images. The first two images are large and side-by-side, while the remaining three are smaller and arranged below them.
- Developer Tools:** The right side of the screen shows the browser's developer tools. The **Elements** tab is open, displaying the HTML code. Red boxes highlight specific elements:
  - A red box surrounds the URL in the address bar.
  - A red box surrounds the width setting in the Dimensions dropdown.
  - A red box surrounds the "P3\_Projects\_43" button in the sidebar.
  - A red box surrounds the "final\_projects" class in the CSS selector bar.
  - A red box surrounds the "final\_projects-center" class in the CSS selector bar.
- Status Bar:** Shows the date and time: 2025-01-02 下午 08:09.

## => 實作 P3\_Projects\_43 有修改過的相關的 html, css

```
final1_xx > final_p3_43.html > ...
2 <html lang="en">
3   <head>
4     <title>Tiles Demo</title>
5   </head>
6   <body>
7     <div class="nav" ...>
8       <!-- tiles -->
9       <section class="tiles"
10      id="p3_tiles_43">...
11      <!-- projects -->
12      <section
13        class="final_projects"
14        id="p3_projects_43">
15        <div
16          class="section-title">...
17        </div>
18        <div
19          class="section-center
20          final_projects-center">...
21        </div>
22        <script src=".//js/main_43.
23          js"></script>
24      </body>
25    </html>
26

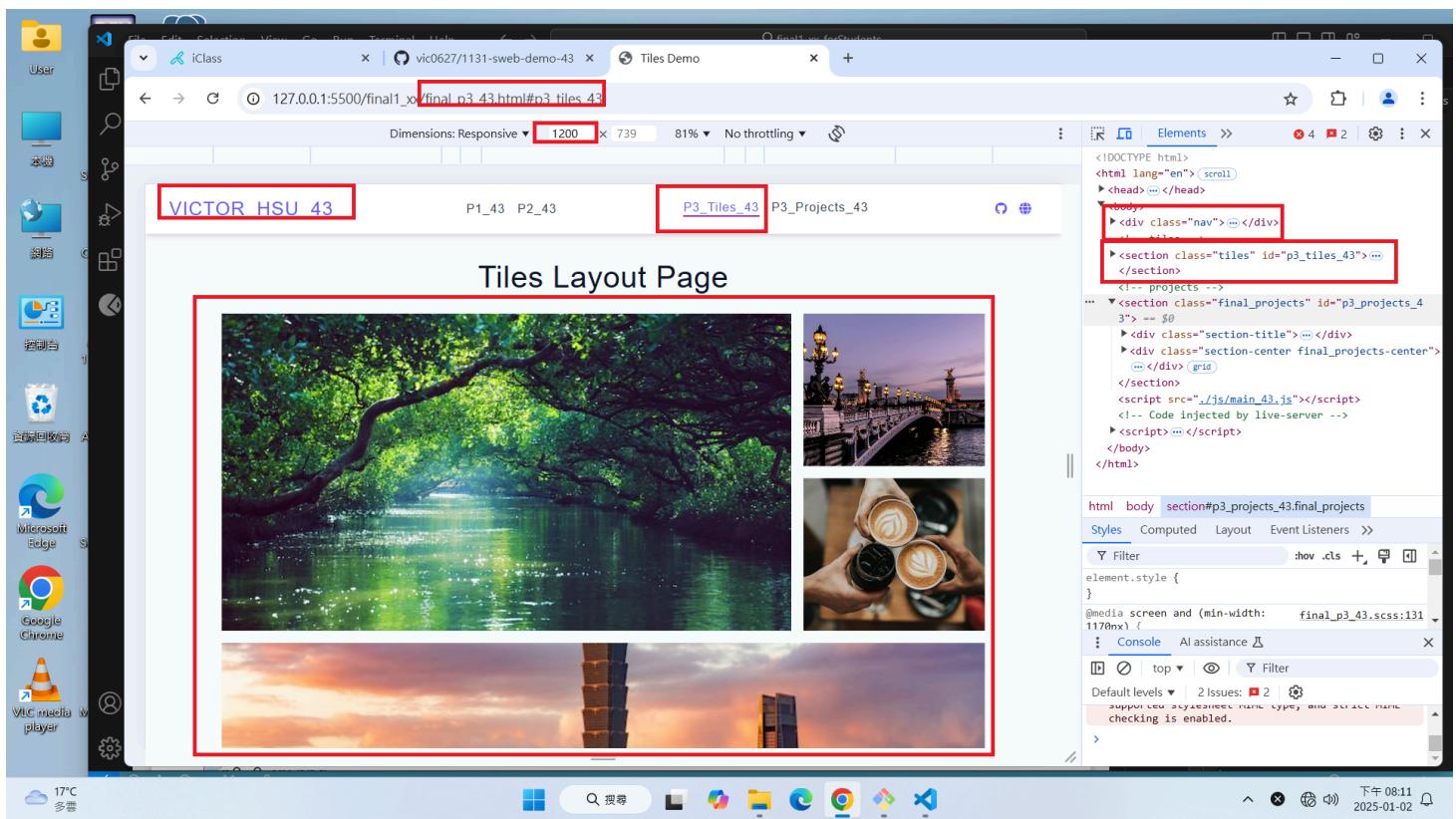
final1_xx > scss > final_p3_43.scss > final_p3_43.scss
37 .final_projects {
38   &-center {
39     position: relative;
40     background-color: var
41     (-clr-primary-5);
42     border-radius: var
43     (-radius);
44     margin-bottom: 2rem;
45     &::after {
46       content: '';
47       position: absolute;
48       left: 0;
49       top: 0;
50       width: 100%;
51       height: 100%;
52       border: 0.25rem solid
53       white;
54       opacity: 0;
55     }
56     &::hover::after {
57       opacity: 1;
58       transform: scale(0.8);
59     }
60     &-info {
61       position: absolute;
62       color: #fff;
63       text-align: center;
64       left: 50%;
65       top: 50%;
66       transform: translate
67       (-50%, -50%);
68       opacity: 0;
69     }
70   }
71   &-center {
72     position: relative;
73     background-color: var
74     (-clr-primary-5);
75     border-radius: var
76     (-radius);
77     margin-bottom: 2rem;
78     &::after {
79       content: '';
80       position: absolute;
81       left: 0;
82       top: 0;
83       width: 100%;
84       height: 100%;
85       border: 0.25rem solid
86       white;
87       opacity: 0;
88     }
89   }
90 }

final1_xx > scss > final_p3_43.scss > final_p3_43.scss
91 .final_projects {
92   &-center {
93     position: relative;
94     background-color: var
95     (-clr-primary-5);
96     border-radius: var
97     (-radius);
98     margin-bottom: 2rem;
99     &::after {
100       content: '';
101      position: absolute;
102      left: 0;
103      top: 0;
104      width: 100%;
105      height: 100%;
106      border: 0.25rem solid
107      white;
108      opacity: 0;
109    }
110   }
111   @media screen and (min-width:
112   676px) {
113     .final_projects {
114       width: 90%;
115       &-center {
116         display: grid;
117         grid-template-columns:
118           1fr 1fr;
119         column-gap: 2rem;
120       }
121     }
122     @media screen and (min-width:
123   992px) {
124       .final_projects {
125         width: 90%;
126         &-center {
127           grid-template-columns:
128             repeat(3, 1fr);
129         }
130     }
131     @media screen and (min-width:
132   1170px) {
133       .final_projects {
134         width: 90%;
135         &-center {
136           grid-template-rows:
137             15rem 15rem;
138         }
139       }
140     }
141   }
142   &-center {
143     height: 100%;
144     width: 100%;
145   }
146   .project {
147     height: 100%;
148     width: 100%;
149   }
150   .project-1 {
151     grid-area: a;
152   }
153   .project-2 {
154     grid-area: b;
155   }
156   .project-3 {
157     grid-area: c;
158   }
159   .project-4 {
160     grid-area: d;
161   }
162 }
```

## => 點選 Tiles\_43 · Chrome 顯示結果如下

1. 請用響應式設定螢幕寬度為 1200px
2. tiles section 之 class 選擇器請用 "final\_tiles\_43" · id 請用 "p3\_projects\_43"
3. 圖片要如下圖所顯示的排列方式
4. navbar-fixed 要消失
5. 點選 P3\_Tiles\_43 十 · 網址列顯示的是

[http://127.0.0.1:5500/final\\_p3\\_43.html#p3\\_tiles\\_43](http://127.0.0.1:5500/final_p3_43.html#p3_tiles_43)



=> 實作 P3\_Tiles\_43 有修改過的相關的 html, css

The screenshot shows a Windows desktop environment with several windows open. The primary window is a code editor (VS Code) displaying two files: `final1_xx.html` and `final1_xx_forStudents.css`. The `final1_xx.html` file contains an HTML structure for a grid layout with 14 items, each represented by an `<article>` tag with a specific class like `tile-1` through `tile-7`. The `final1_xx_forStudents.css` file contains a corresponding CSS style sheet using grid layout properties to define the grid structure. Other windows visible in the background include a PDF viewer showing `ans_final1_htc.pdf`, a browser window showing `final_p3_43.html`, and various system icons for Microsoft Edge, Google Chrome, and VLC media player.

```
final1_xx.html
final1_xx_forStudents.css
```

# (6%) P4: 建立所有選項 · P1\_43, P2\_43, P3\_Tiles\_43, P3\_Projects\_43 之間的超連結，都要正常能夠執行

## Your Answer

=> 請顯示 html 相關的 code

```
final_p1_43.html
final_p3_43.html
final_p2_43.html
```

```
<html lang="en">
  <head>
    <title>Tiles Demo</title>
  </head>
  <body>
    <div class="nav">
      <div class="nav-center">
        <div class="nav-header">
          <ul class="nav-links">
            <li><a href="final_p1_43.html">P1_43</a></li>
            <li><a href="final_p2_43.html">P2_43</a></li>
            <li><a href="final_p3_43.html#p3_tiles_43">P3_Tiles_43</a></li>
            <li><a href="final_p3_43.html#p3_projects_43">P3_Projects_43</a></li>
          </ul>
          <ul class="social-icons">...</ul>
        </div>
      </div>
    </div>
  </body>
</html>
```

```
<html lang="en">
  <head>
    <title>Tiles Demo</title>
  </head>
  <body>
    <div class="nav">
      <div class="nav-center">
        <div class="nav-header">
          <ul class="nav-links">
            <li><a href="final_p1_43.html">P1_43</a></li>
            <li><a href="final_p2_43.html">P2_43</a></li>
            <li><a href="final_p3_43.html#p3_tiles_43">P3_Tiles_43</a></li>
            <li><a href="final_p3_43.html#p3_projects_43">P3_Projects_43</a></li>
          </ul>
          <ul class="social-icons">...</ul>
        </div>
      </div>
    </div>
  </body>
</html>
```

```
<html lang="en">
  <head>
    <title>Tiles Demo</title>
  </head>
  <body>
    <div class="nav">
      <div class="nav-center">
        <div class="nav-header">
          <ul class="nav-links">
            <li><a href="final_p1_43.html">P1_43</a></li>
            <li><a href="final_p2_43.html">P2_43</a></li>
            <li><a href="final_p3_43.html#p3_tiles_43">P3_Tiles_43</a></li>
            <li><a href="final_p3_43.html#p3_projects_43">P3_Projects_43</a></li>
          </ul>
          <ul class="social-icons">...</ul>
        </div>
      </div>
    </div>
  </body>
</html>
```