

(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_xx.pdf・還有 final1_xx.zip・共 2 個檔案・如果 final1_xx.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_xx/ans_final1_xx.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): (江宗達, 213410193)

- P1 (18%): 18 分
- P2 (18%): 12 分
- P3 (18%): 18 分
- P4 (6%): 6 分

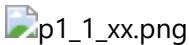
總分: 54 分

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。

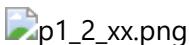
(18%) P1: 請實作 final_p1_xx.html 要能顯示如下圖

1. 請實作 P1_xx, P2_xx 選項
2. scss 請放入 scss/final_p1_xx.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_xx.html 之 class 名稱・及相對應 final_p1_xx.scss・以避免衝突。
3. js 請放入 js/final_xx.js 中 (本次期末考所出題目・有用到 js 的部分・請全部放入 final_xx.js 中)

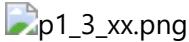
=> Chrome 顯示結果如下圖



=> 顯示 P1 使用到的檔案

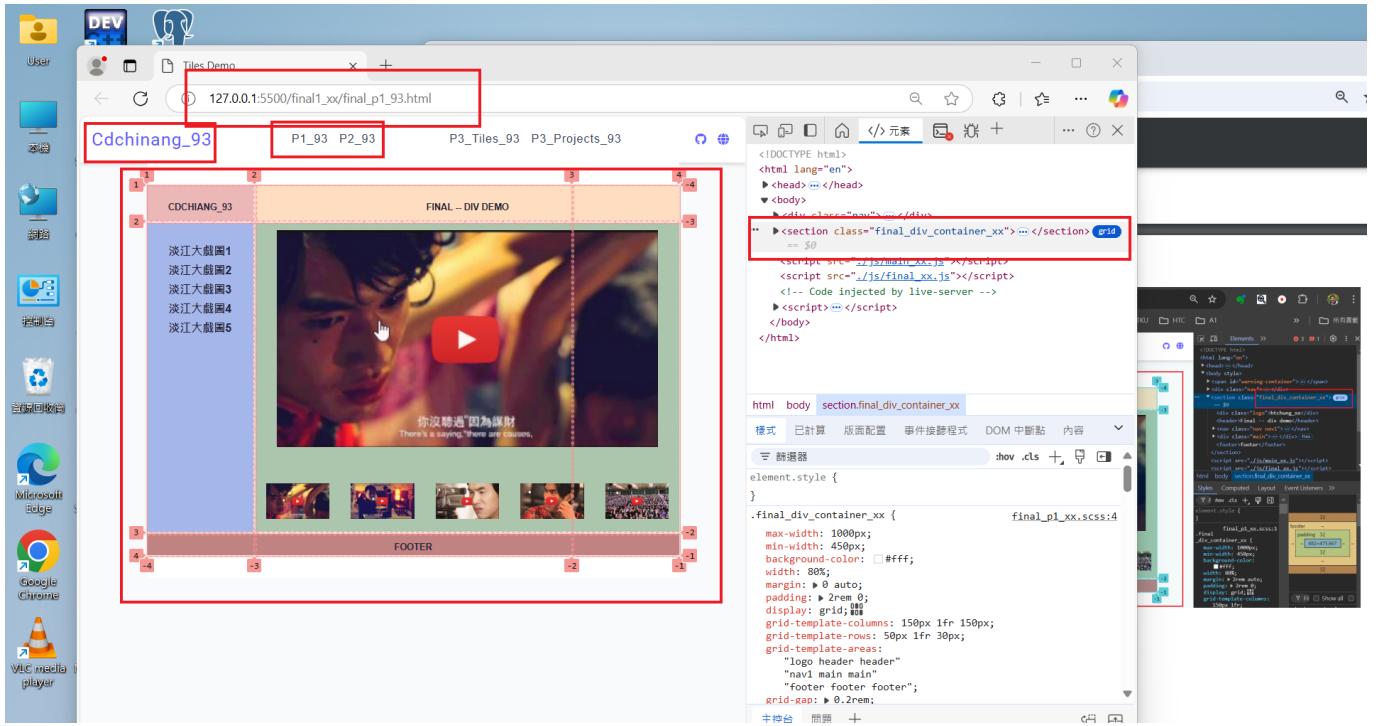


=> html 中請用 final_player 來顯示淡江大戲的圖片・切換圖片的 function 是 final_showTKU60(num)・如下圖所示

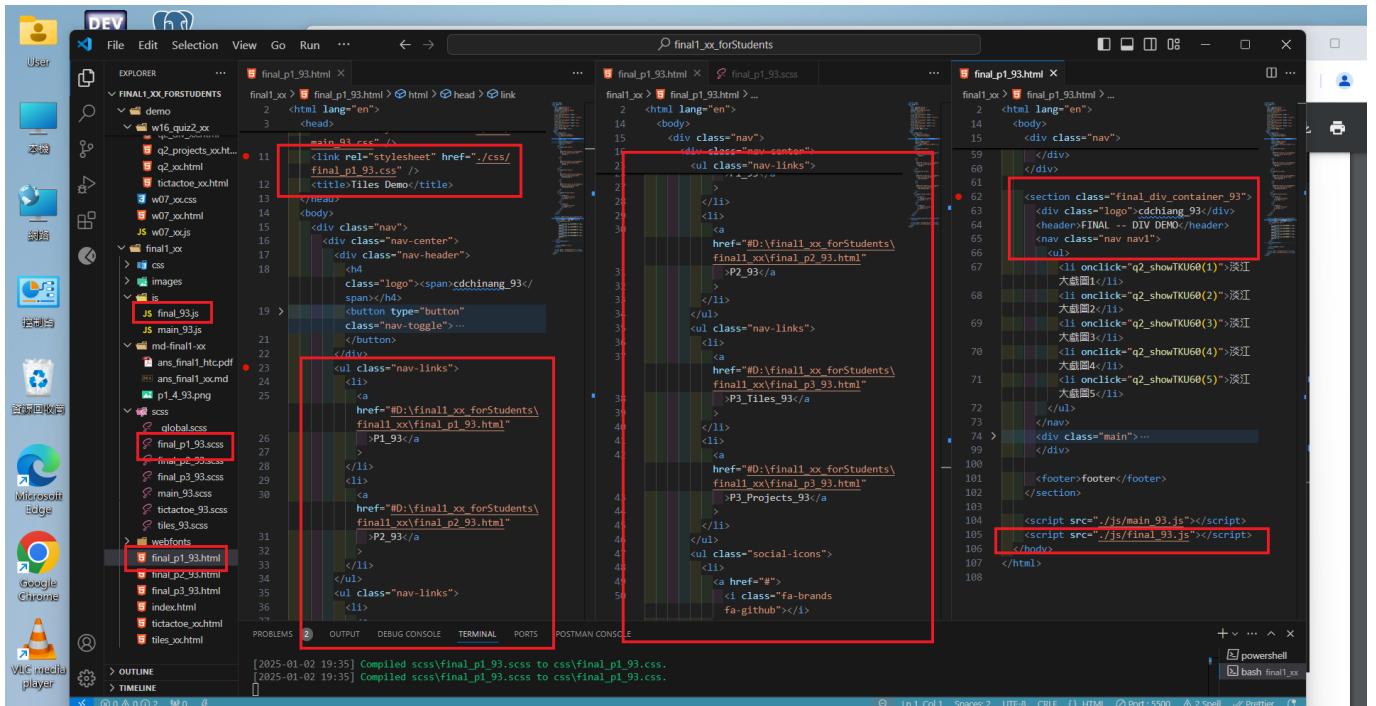


Your Answer

=> 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



=> 顯示 final_p1_xx.scss 中 final_div_container_xx 選擇器相關的 scss，請標註跟 css grid 有關，你所修改的重點 code

```

final1_xx > scss > final_p1_93.scss > final_div_container_93
1 .final_div_container_93 {
2   max-width: 1000px;
3   min-width: 450px;
4   background-color: #ffff;
5   width: 88%;
6   margin: 0 auto;
7   padding: 2rem 0;
8   display: grid;
9   grid-template-columns: 150px 1fr 150px;
10  grid-template-rows: 50px 1fr 30px;
11  grid-template-areas:
12    'logo header header'
13    'nav1 main main'
14    'footer footer footer';
15 }
16 .final_div_container_93 .grid-gap: 0.2rem;
17   text-align: center;
18   text-transform: uppercase;
19   font-weight: 600;
20   font-size: 0.8rem;
21 .final_div_container_93 .logo {
22   background-color: #eababa;
23   grid-area: logo;
24   padding-top: 20px;
25 }
26 .final_div_container_93 .logo a {
27   font-size: 1.5rem;
28 }
29 .final_div_container_93 .header {
30   background-color: #bisque;
31   grid-area: header;
32   padding-top: 20px;
33 }
34 .final_div_container_93 .nav {
35   width: 100%;
36   height: 100%;
37   margin: 0 auto;
38 }
39 .final_div_container_93 .nav ul li {
40   list-style: none;
41   margin-top: 2rem;
42 }
43 .final_div_container_93 .nav ul li a {
44   margin: 0.7rem auto;
45   font-size: 1rem;
46   cursor: pointer;
47 }
48 .final_div_container_93 .nav1 {
49   background-color: #9cbf3;
50   grid-area: nav1;
51 }
52 .final_div_container_93 .main {
53   grid-area: main;
54   display: flex;

```

=> 顯示切換淡江大戲圖片相關的 html 及 js code

```

final1_xx > final_p1_93.html > final_p1_93.scss > final_p1_93.js
1 <html lang="en">
2   <body>
3     <div class="nav">
4       <div class="logo" id="cdchiang_93"></div>
5       <header>FINAL -- DIV DEMO</header>
6       <nav class="nav nav1">
7         <ul>
8           <li onclick="final_showTKU60(1)">淡江大戲圖1</li>
9           <li onclick="final_showTKU60(2)">淡江大戲圖2</li>
10          <li onclick="final_showTKU60(3)">淡江大戲圖3</li>
11          <li onclick="final_showTKU60(4)">淡江大戲圖4</li>
12          <li onclick="final_showTKU60(5)">淡江大戲圖5</li>
13        </ul>
14      </nav>
15      <div class="main">
16        <div>
17          <div class="video-responsive">
18            <div class="final_player">
19              
20            </div>
21          </div>
22          <div class="picContainer">
23            <div class="small_pic" onclick="changeTKU60(2)">
24              
25            </div>
26            <div class="small_pic" onclick="changeTKU60(3)">
27              
28            </div>
29            <div class="small_pic" onclick="changeTKU60(4)">
30              
31            </div>
32          </div>
33        </div>
34      </div>
35    </body>
36  </html>

```

```

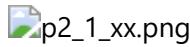
1 let final_player = document.querySelector('.final_player')
2 console.log('final_player', final_player)
3
4 function final_showTKU60(num) {
5   switch (num) {
6     case 1:
7       final_player.innerHTML = ``
8       break;
9     case 2:
10       final_player.innerHTML = ``
11       break;
12     case 3:
13       final_player.innerHTML = ``
14       break;
15     case 4:
16       final_player.innerHTML = ``
17       break;
18     case 5:
19       final_player.innerHTML = ``
20       break;
21   }
22 }
23
24 function final_changeTKU60(video) {
25   switch (video) {
26     case 1:
27       final_player.innerHTML = `<iframe width="560" height="315" src="https://www.youtube.com/embed/RechrtLbxFQc?si=KuAfWkrplL2Bt" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share"></iframe>`
28       break;
29   }
30 }

```

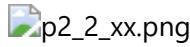
(18%) P2: 請以老師所給的 final_p2_xx.html 來實作，得到如下圖的結果，細節說明如下：

1. scss 請放入 scss/final_p2_xx.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_xx.html 之 class 名稱，及相對應 final_p2_xx.scss，以避免衝突。
2. js 請放入 js/final_xx.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

The screenshot shows a browser window displaying a pricing page with three columns: Personal, Small Team, and Enterprise. The browser's developer tools are open, specifically the Elements tab, which shows the HTML structure of the page. Red boxes highlight several areas:

- A red box around the top navigation bar, which includes a user icon, a file menu, and tabs for "Tiles Demo", "Projects Absolute Positioning Dem...", and "Card demo".
- A red box around the URL bar, which shows the address "127.0.0.1:5500/final1_xx/final_p2_93.html".
- A red box around the zoom level indicator "50%".
- A red box around the title "Cdchiang_93" and the sub-titles "P1_93", "P2_93", and "P3_93" above the columns.
- A red box around the first column content "Personal" and its details: "Custom domains", "Sleeps after 30 mins of inactivity", and "Free Sign up".
- A red box around the second column content "Small Team" and its details: "Never sleeps", "Multiple workers for more powerful apps", and "\$150 Free trial".
- A red box around the third column content "Enterprise" and its details: "Dedicated", "Simple horizontal scalability", and "\$400 Free trial".
- A red box around the DevTools sidebar, which lists various CSS and JS files being loaded, such as "xx/css/all.min.css", "xx/css/normalize.css", "xx/css/main_93.scss", and "xx/css/pricing-plan1.css".
- A red box around the bottom of the DevTools sidebar, where it says "Code injected by live-server -->" followed by a script tag.
- A red box around the bottom right corner of the DevTools sidebar, which shows the status "Connected" and "0 errors, 0 warnings".

=> 顯示 **min-width: 800** 以上(含)，3 個 **price plan** 都顯示在同一行上的所有 **scss**

The screenshot shows a Windows desktop environment with a file explorer window open. The file path is `FINAL1_XX_FORSTUDENTS\final1_xx>scss>final_p2_93.scss`. The code editor displays the following SCSS code:

```
.final_panel {  
    display: grid;  
    grid-template-columns: repeat(3, 1fr);  
    background-color: #f1f1ff;  
    border: 1px solid #ddd;  
  
    // display: grid;  
    // grid-template-areas: 'pricing-plan1 pricing-plan2 pricing-plan3';  
    width: 80%;  
    text-align: center;  
}  
  
@media screen and (max-width: 800px) {  
    .final_panel {  
        display: grid;  
        grid-template-columns: 1fr;  
        width: 90%;  
        // &-center {  
        //   display: grid;  
        //   grid-template-columns: repeat(2, 1fr);  
        // }  
    }  
}
```

The code editor interface includes tabs for `final_p2_93.scss`, `final_p2_93.html`, and `main_93.js`. Below the code editor are tabs for `PROBLEMS` (49), `OUTPUT`, `DEBUG CONSOLE`, `TERMINAL`, `PORTS`, and `POSTMAN CONSOLE`. The terminal tab shows the following logs:

```
[2025-01-02 20:21] Compiled scss\final_p2_93.scss to css\final_p2_93.css.  
[2025-01-02 20:22] Compiled scss\final_p2_93.scss to css\final_p2_93.css.
```

=> 顯示 min-width: 800 以下，一行僅顯示 1 個 price plan 的 scss

```

1 .final_panel {
2   display: grid;
3   grid-template-columns: repeat(3, 1fr);
4   background-color: #f1f1ff;
5   border: 1px solid #ddd;
6
7   // display: grid;
8   // grid-template-areas: 'pricing-plan1 pricing-plan2 pricing-plan3';
9   width: 80%;
10  text-align: center;
11 }
12
13 @media screen and (max-width: 800px) {
14   .final_panel {
15     display: grid;
16     grid-template-columns: 1fr;
17     width: 90%;
18     // &-center {
19     //   display: grid;
20     //   grid-template-columns: repeat(2, 1fr);
21     // }
22   }
23 }
24

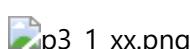
```

(18%) P3: 請以老師所給的 **final_p3_xx.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_xx.scss 中，要用 scss 來產生 css。如果和之前上課 demo 或小考 2 的 css 有衝突，請修改 final_p3_xx.html 之 class 名稱，及相對應 final_p3_xx.scss，以避免衝突。

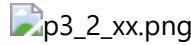
=> 請實作選單 **P3_Tiles_xx**, **P3_Projects_xx**，點選 **P3_Projects_xx**，**Chrome** 顯示結果如下

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_xx"，id 請用 "p3_projects_xx"，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_xx +，網址列顯示的是 http://127.0.0.1:5500/final_p3_xx.html#p3_projects_xx



=> 點選 **Tiles_xx**，**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_xx", id 請用 "p3_projects_xx"
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_xx + · 網址列顯示的是 http://127.0.0.1:5500/final_p3_xx.html#p3_tiles_xx



Your Answer

=> 請實作選單 P3_Tiles_xx, P3_Projects_xx · 點選 P3_Projects_xx, 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_xx", id 請用 "p3_projects_xx" · 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_xx + · 網址列顯示的是 http://127.0.0.1:5500/final_p3_xx.html#p3_projects_xx

The screenshot shows a browser window titled 'Tiles Demo' displaying a responsive website. The browser's developer tools are open, specifically the DOM and CSS panels. The DOM tree shows the structure of the page, including sections for 'tiles' and 'projects'. The CSS panel shows the styles applied to various elements, such as 'nav.navbar-fixed' and 'div.nav-center'. The browser window also shows a sidebar with icons and a terminal window.

=> 實作 P3_Projects_xx 有修改過的相關的 html, css

```

final_p3_93.html
final_p3_93.css
final1_xx_forStudents.css
final_p3_93.html

```

final_p3_93.html

final_p3_93.css

final1_xx_forStudents.css

final_p3_93.html

DEV Tiles Demo Projects Absolute Position Tiles Demo Tiles Demo

127.0.0.1:5500/final1_xx/final_p3_93.html#http://127.0.0.1:5500/final1_xx/final_p3_93#p3_projects_93

Cdchiang, 213410193 Link-1 Link-2 P3_Tiles_93 Link-4

Tiles Layout Page

html body section#p3_tiles_93.tiles div.section-title h2

樣式 已計算 版面配置 事件接聽程式 DOM 中斷點 內容

element.style { }

h2 { font-size: 2.441rem; }

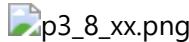
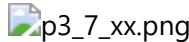
=> 點選 Tiles_xx, Chrome 顯示結果如下

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_xx", id 請用 "p3_projects_xx"
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_xx + · 網址列顯示的是 http://127.0.0.1:5500/final_p3_xx.html#p3_tiles_xx

The screenshot shows the VS Code interface with the following details:

- EXPLORER:** Shows the project structure for `final1_xx_forStudents`, including files like `final_p3_93.html`, `final_p3_93.css`, and various JavaScript and CSS files for `w07_xx` and `md-final1_xx`.
- CODE EDITOR:** Displays two main files:
 - `final_p3_93.html`: Contains an `<!-- tiles -->` comment and several `<article>` elements with classes like `tile-1` through `tile-9`. Each article contains an `` tag.
 - `final_p3_93.css`: Contains CSS rules for the tiles, such as `.tiles { padding: 2rem 0; }` and grid-template definitions for the layout.
- TERMINAL:** Shows the command `[2025-01-02 20:39] Compiled scss\final_p3_93.scss to css\final_p3_93.css.`

=> 實作 P3_Tiles_xx 有修改過的相關的 html, css



(6%) P4: 建立所有選項 . P1_xx, P2_xx, P3_Tiles_xx, P3_Projects_xx 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_93.html
final_p2_93.html
final_p3_93.html

```

The screenshot shows the Visual Studio Code interface with three tabs open: `final_p1_93.html`, `final_p2_93.html`, and `final_p3_93.html`. The `final_p2_93.html` tab is active. The code editor displays three columns of HTML code, each with a red box highlighting specific sections.

```

final_p1_93.html
final_p2_93.html
final_p3_93.html

```

```

<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <title>Final Project 1 - Home</title>
  </head>
  <body>
    <div class="nav">
      <div class="nav-center">
        <div class="nav-header">
          
          Final Project 1
        </div>
        <div class="nav-links">
          <ul>
            <li><a href="#">Home</a></li>
            <li><a href="#">About</a></li>
            <li><a href="#">Services</a></li>
            <li><a href="#">Contact</a></li>
          </ul>
        </div>
      </div>
    </div>
    <div class="content">
      <h1>Welcome to Final Project 1</h1>
      <p>This is the home page of our web application. We have four main sections: Home, About, Services, and Contact. You can click on the links to navigate between them.</p>
    </div>
  </body>
</html>

```

