

(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_14.pdf・還有 final1_14.zip・共 2 個檔案・如果 final1_14.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_14/ans_final1_14.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): (林亮廷 , 913410014)

- P1 (18%): 18 分
- P2 (18%): 10 分
- P3 (18%): 15 分
- P4 (6%): 6 分

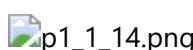
總分: 51 分

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_14.html 要能顯示如下圖

1. 請實作 P1_14, P2_14 選項
2. scss 請放入 scss/final_p1_14.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_14.html 之 class 名稱・及相對應 final_p1_14.scss・以避免衝突。
3. js 請放入 js/final_14.js 中 (本次期末考所出題目・有用到 js 的部分・請全部放入 final_14.js 中)

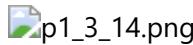
=> Chrome 顯示結果如下圖



=> 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

Ltlin_14

P1_14 P2_14

P3_Titles_14 P4_Projects_14

LOGO

ARTICLE

NAV

淡江大爺1
淡江大爺2
淡江大爺3
淡江大爺4
淡江大爺5

HEADER

ASIDE

你已離線

FOOTER

DevTools is now available in Chinese!
Always match Chrome's language Switch DevTools to Chinese
Don't show again

Elements Console Sources Network > 3 1

```
<!DOCTYPE html>
<html lang="en">
  <head> ...
    <body>
      <div class="nav"> ...
        <div class="final_div_container_xx"> ...
          <grid> ...
            <div class="logo">logo</div>
            <header>header</header>
            <article> ...
              <aside> ...
                <script src="/js/main_14.js"></script>
                <script src="/js/final_14.js"></script>
                <!-- Code injected by live-server -->
                <script> ...
              </script>
            </aside>
            <footer>footer</footer>
          </grid>
        </div>
      </div>
    </body>
  </html>
```

html body section.final_div_container_xx

Styles Computed Layout Event Listeners DOM Breakpoints Properties >

Filter

element.style { }

.final_div_container_xx {

max-width: 1000px;
min-width: 450px;
background-color: #fff;

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

```
final_p1_14.html x
final_1_14 > final_p1_14.html > html > body > section.final_div_container_xx > aside > section > div.picContainer > div.small_pic
  2 <html lang="en">
  3   <head>
  4     <link rel="stylesheet" href="./css/normalize.css" />
  5     <link rel="stylesheet" href="./css/main_14.css" />
  6     <link rel="stylesheet" href="./css/final_p1_14.css" />
  7   </head>
  8   <body>
  9     <div class="nav">
 10       <div class="nav-center">
 11         <div class="nav-header"> ...
 12       </div>
 13       <ul class="nav-links">
 14         <li>
 15           | <a href=".final_p1_14.html">P1_14</a>
 16         </li>
 17         <li>
 18           | <a href=".final_p2_14.html">P2_14</a>
 19         </li>
 20       </ul>
 21       <ul class="nav-links">
 22         <li>
 23           | <a href="#P3_Titles_14">P3_Titles_14</a>
 24         </li>
 25         <li>
 26           | <a href="#P4_Projects_14">P4_Projects_14</a>
 27         </li>
 28       </ul>
 29       <ul class="social-icons"> ...
 30     </div>
 31   </div>
 32   <div class="final_div_container_xx">
 33     <div class="logo">logo</div>
 34     <header>headers</header>
 35     <article>
 36       ...
 37     </article>
 38   </div>
 39 > final_p1_14.html
 40 final_p2_14.html
 41 final_p3_14.html
 42 index.html
 43 tactactoe_14.html
 44 tiles_14.html
 45
 46 > OUTLINE
 47 > TIMELINE
```

=> 顯示 final_p1_14.scss 中 final_div_container_14 選擇器相關的 scss，請標註跟 css grid 有關，你所修改的重點 code

```

final1_14 > scss > final_p1_14.scss > final_div_container_xx > logo
final1_14 > css > final_p1_14.css
final1_14 > js > final_14.js
final1_14 > images > tiles_14.css
final1_14 > js > final_14.js
final1_14 > js > main_14.js
final1_14 > mid-final1-14
final1_14 > scss > _global.scss
final1_14 > scss > final_p1_14.scss
final1_14 > scss > final_p2_14.scss
final1_14 > scss > final_p3_14.scss
final1_14 > scss > main_14.scss
final1_14 > scss > tactactoe_14.scss
final1_14 > scss > tiles_14.css
final1_14 > webfonts > final_p1_14.html
final1_14 > webfonts > final_p2_14.html
final1_14 > webfonts > final_p3_14.html
final1_14 > index.html
final1_14 > tactactoe_14.html
final1_14 > tiles_14.html

```

```

1 .final_div_container_xx {
2   max-width: 1000px;
3   min-width: 450px;
4   background-color: #ffff;
5   width: 80%;
6   height: 80vh;
7   margin: 0 auto;
8   padding: 2rem 0;
9   display: grid;
10  grid-template-columns: 1fr 3fr;
11  grid-template-rows: 0.6fr 4fr 0.4fr;
12  grid-template-areas:
13    'Logo header'
14    'Article aside'
15    'Footer footer';
16  grid-gap: 0.2rem;
17  text-align: center;
18  text-transform: uppercase;
19  font-weight: 600;
20  font-size: 0.8rem;
21
22  .logo {
23    background-color: #eababa;
24    grid-area: logo;
25  }
26
27  header {
28    background-color: #bisque;
29    grid-area: header;
30  }
31
32  article {
33    background-color: #d18fdf;
34    grid-area: article;
35

```

=> 顯示切換淡江大戲圖片相關的 html 及 js code

```

final1_14 > final_p1_14.html > html > body > section.final_div_container_xx > aside > section > div.picC
final1_14 > js > final_14.js > window.addEventListener('scroll') callback

```

```

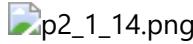
2 <html lang="en"> | grid Aa ab,* No results ↑ ↓ ×
14 <body>
54 <section class="final_div_container_xx">
55   <article>
56     <article>
57       <nav class="nav">
58         <ul>
59           <li onclick="final_showTKU60(1)">淡江大戲1</li>
60           <li onclick="final_showTKU60(2)">淡江大戲2</li>
61           <li onclick="final_showTKU60(3)">淡江大戲3</li>
62           <li onclick="final_showTKU60(4)">淡江大戲4</li>
63           <li onclick="final_showTKU60(5)">淡江大戲5</li>
64         </ul>
65       </nav>
66     </article>
67     <aside>
68       <section>
69         <div class="video-responsive">
70           <div class="final_player">
71             <iframe width="560" height="315" src="https://www.youtube.com/embed/RechrtUxfQc?si=KuAfbwkrpL2BtB" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerPolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>
72           </div>
73         </div>
74       </section>
75     </aside>
76   </section>
77   <div class="picContainer">
78     <div class="small_pic" onclick="final_changeTKU60(1)">
79       <img alt="Small thumbnail image for the first video">
80     </div>
81   </div>
82
83   <script>
84     function final_changeTKU60(num) {
85       switch (num) {
86         case 1:
87           final_player.innerHTML = `<iframe width="560" height="315" src="https://www.youtube.com/embed/RechrtUxfQc?si=KuAfbwkrpL2BtB" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerPolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>`;
88         break;
89         case 2:
90           final_player.innerHTML = `<iframe width="560" height="315" src="https://www.youtube.com/embed/MNxKA9Furew?si=fjN6zhaM1xyEr3i" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerPolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>`;
91         break;
92         case 3:
93           final_player.innerHTML = `<iframe width="560" height="315" src="https://www.youtube.com/embed/METhdB_L_iWrsi=z-5rvUro3jPmBAsE" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerPolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>`;
94         break;
95         case 4:
96           final_player.innerHTML = `<iframe width="560" height="315" src="https://www.youtube.com/embed/zYDq-1ekT0si=refRjhjio5K_6agC" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" referrerPolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>`;
97         break;
98       }
99     }
100   </script>

```

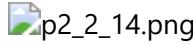
(18%) P2: 請以老師所給的 final_p2_14.html 來實作，得到如下圖的結果，細節說明如下：

1. scss 請放入 scss/final_p2_14.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_14.html 之 class 名稱，及相對應 final_p2_14.scss，以避免衝突。
2. js 請放入 js/final_14.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

```

<!DOCTYPE html>
<html lang="en">
  <head></head>
  <body>
    <div class="nav">...</div>
    <div class="final_panel">(> pia == $0
      <div class="pricing-plan">...</div>
      <div class="pricing-plan">...</div>
      <div class="pricing-plan">...</div>
    </div>
    <script src="/js/main_14.js"></script>
    <script src="/js/final_14.js"></script>
    <!-- Code injected by live-server -->
    <script>...</script>
  </body>

```

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

```

final_14 > scss > final_p2_14.scss > .final_panel
1 .final_panel {
2   width: 100%;
3   background-color: #f1f1ff;
4   border: 1px solid #ddd;
5   display: grid;
6   grid-template-columns: repeat(3, 1fr);
7   width: var(--fluid-width);
8   max-width: var(--max-width);
9   min-width: 300px;
10  margin: 0 auto;
11  .pricing-plan {
12    padding: 0.5rem;
13    text-align: center;
14    max-width: 300px;
15    margin: 0.5rem;
16    border-radius: 0.5rem;
17    border: 1px solid transparent;
18  }
19  .pricing-img {
20    width: 100%;
21    height: 100%;
22    overflow: clip-margin: content-box;
23    overflow: clip;
24  }
25 }
26 .pricing-footer {
27   color: #016fff;
28 }
29 }

@media (min-width: 800px) {
30   .final_panel {
31     background-color: #f1f1ff;
32     border: 1px solid #ddd;
33   }
34   .pricing-footer {
35     color: #016fff;
36   }
37 }

```

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

```

final1_14 > scss > final_p2_14.scss > {} @media (min-width: 800px) > .final_panel > .pricing-plan
20
21 .pricing-footer {
22   color: #016fff;
23 }
24
25 @media (min-width: 800px) {
26   .final_panel {
27     background-color: #f1f1f1;
28     border: 1px solid #ddd;
29     display: grid;
30     grid-template-columns: 3fr;
31     width: 90%;
32     height: 90%;
33     margin: 0 auto;
34     .pricing-img {
35       overflow-clip-margin: content-box;
36       overflow: clip;
37     }
38   }
39   .pricing-plan {
40     width: 90%;
41     height: 90%;
42     min-width: 100px;
43     margin: 0 auto;
44     display: flexbox;
45     grid-template-columns: repeat(3, 1fr);
46     margin: auto auto;
47   }
48 }
49 .pricing-footer {
50   color: #016fff;
51 }
52

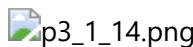
```

(18%) P3: 請以老師所給的 **final_p3_14.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用小考 2 的選單
2. scss 請放入 scss/final_p3_14.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_14.html 之 class 名稱，及相對應 final_p3_14.scss，以避免衝突。

=> 請實作選單 **P3_Tiles_14, P3_Projects_14**，點選 **P3_Projects_14**，**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_14"，id 請用 "p3_projects_14"，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_14 十，網址列顯示的是 http://127.0.0.1:5500/final_p3_14.html#p3_projects_14



=> 點選 **Tiles_14**，**Chrome** 顯示結果如下

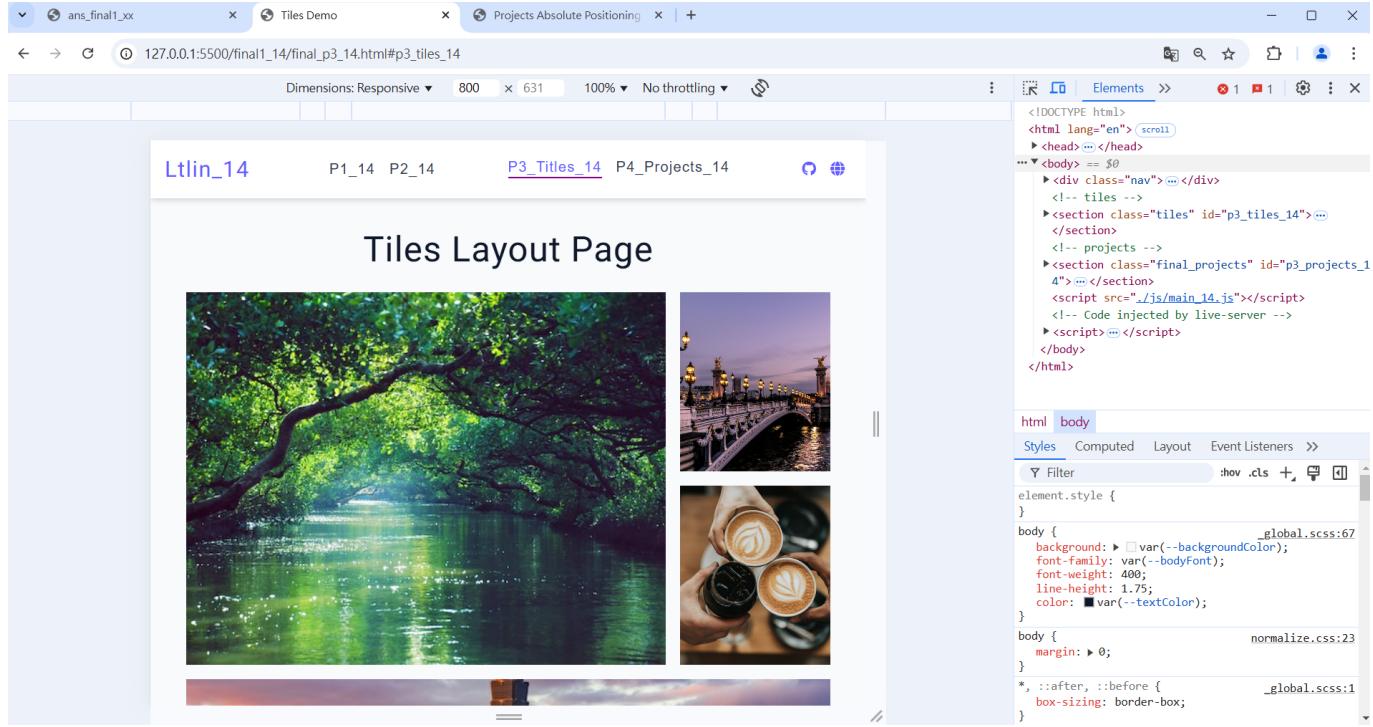
1. 請用響應式設定螢幕寬度為 1200px
2. tiles section 之 class 選擇器請用 "final_tiles_14"，id 請用 "p3_projects_14"
3. 圖片要如下圖所顯示的排列方式
4. navbar-fixed 要消失
5. 點選 P3_Tiles_14 十，網址列顯示的是 http://127.0.0.1:5500/final_p3_14.html#p3_tiles_14



Your Answer

=> 請實作選單 **P3_Tiles_14, P3_Projects_14**，點選 **P3_Projects_14**，**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_14"， id 請用 "p3_projects_14" · 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_14 + · 網址列顯示的是 http://127.0.0.1:5500/final_p3_14.html#p3_projects_14



=> 實作 P3_Projects_14 有修改過的相關的 html, css

The screenshot shows the Visual Studio Code interface with two tabs open: `final_p3_14.html` and `final_p3_14.scss`. The left sidebar displays a project structure under `FINAL1_14_FORSTUDENTS`, including `demo`, `w16_quiz2_14`, `q2_projects_14.html`, `tictactoe_14.html`, `w07_14.css`, `w07_14.html`, `JS_w07_14.js`, `final_14`, `css`, `images`, `js`, `final_14.js`, `main_14.js`, `md-final-114`, `scss`, and several global and specific SCSS files. The `final_p3_14.html` file contains HTML code for a section titled "final_projects" with a paragraph of placeholder Latin text and two project cards. The `final_p3_14.scss` file contains SCSS code defining styles for the "final_projects" section, including a centered title, a grid of project cards with images and info boxes, and a footer.

```
File Edit Selection View Go Run Terminal Help < > final_p3_14.html ... final_p3_14.html ... FINAL1_14_FORSTUDENTS ... demo w16_quiz2_14 q2_projects_14.html tictactoe_14.html w07_14.css w07_14.html JS_w07_14.js final_14 css images js final_14.js main_14.js md-final-114 scss _global.scss _final_p1_14.scss _final_p2_14.scss _final_p3_14.scss _main_14.scss _tictactoe_14.scss _tiles_14.scss webfonts final_p1_14.html final_p2_14.html final_p3_14.html index.html tictactoe_14.html tiles_14.html OUTLINE TIMELINE
```

```
final1_14 > final_p3_14.html > html > body
  2   <html lang="en">
  3     <body>
  4       15   <!-- projects -->
  5       <section class="final_projects" id="p3_projects_14">
  6         <div class="section-title">
  7           <h2>latest works</h2>
  8           <div class="underline"></div>
  9           <p class="projects-text">
 10             Lorem ipsum dolor sit amet, consectetur adipisicing elit. Molestias aspernatur cumque modi cum et nobis praesentium quisquam rem distinctio aperiam recusandae dolores nemo quo molestiae ea, velit porro ratione minima.
 11           </p>
 12         </div>
 13         <div class="section-center final_projects-center">
 14           <a href="./project_1.html" class="project-1">
 15             <article class="project">
 16               
 17             </div>
 18             <div class="project-info">
 19               <h4>project title</h4>
 20               <p>client name</p>
 21             </div>
 22           </article>
 23         </a>
 24         <a href="./project_14.html" class="project-2">
 25           <article class="project">
 26             
 28           <div class="project-info">
 29             <h4>project title</h4>
 30             <p>client name</p>
 31           </div>
 32         </article>
 33       </div>
 34     </section>
 35   </body>
 36 </html>
```

```
final1_14 > scss > final_p3_14.scss > root
35  }
36
37 .final_projects {
38   width: 90%;
39   margin: 0 auto;
40
41   .section-title {
42     text-align: center;
43     margin: 2rem;
44
45   h2 {
46     text-transform: capitalize;
47     font-size: 2rem;
48     margin-bottom: 1rem;
49   }
50
51   g-text {
52     width: 80%;
53     max-width: 30rem;
54     margin: 0 auto;
55   }
56
57   &-center {
58     .project {
59       position: relative;
60       background-color: var(--clr-primary-5);
61       border-radius: var(--radius);
62       margin-bottom: 2rem;
63
64     &::after {
65       content: '';
66       position: absolute;
67       left: 0;
68       top: 0;
69       width: 100%;
70       height: 100%;
```

```

final1_14 > scss > final_p3_14.scss > root
      35 }
      36
      37 .final_projects {
      38   width: 90%;
      39   margin: 0 auto;
      40
      41   .section-title {
      42     text-align: center;
      43     margin: 2rem;
      44
      45   h2 {
      46     text-transform: capitalize;
      47     font-size: 2rem;
      48     margin-bottom: 1rem;
      49   }
      50
      51
      52   &text {
      53     width: 80%;
      54     max-width: 30rem;
      55     margin: 0 auto;
      56   }
      57
      58   &center {
      59     .project {
      60       position: relative;
      61       background-color: var(--clr-primary-5);
      62       border-radius: var(--radius);
      63       margin-bottom: 2rem;
      64
      65       &::after {
      66         content: '';
      67         position: absolute;
      68         left: 0;
      69         top: 0;
      70         width: 100%;
      71         height: 100%
      72     }
      73   }
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109 }
110
111 .tiles {
112   padding: 2rem 0;
113
114   .tiles-center {
115     width: 90vw;
116     max-width: 1000px;
117     margin: 0 auto;
118     display: grid;
119     grid-template-columns: repeat(4, 1fr);
120     grid-template-rows: repeat(5, 12.5rem);
121     gap: 1rem;
122     grid-template-areas:
123       'a a a b'
124       'a a a c'
125       'd d d d'
126       'e f f f'
127       'e g h i';
128
129   img {
130     display: block;
131     width: 100%;
132     height: 100%;
133     object-fit: cover;
134   }
135   .tile-1 {
136     grid-area: g;
137   }
138
139   .tile-2 {
140     grid-area: b;
141   }
142
143   .tile-3 {
144     grid-area: c;
145   }

```

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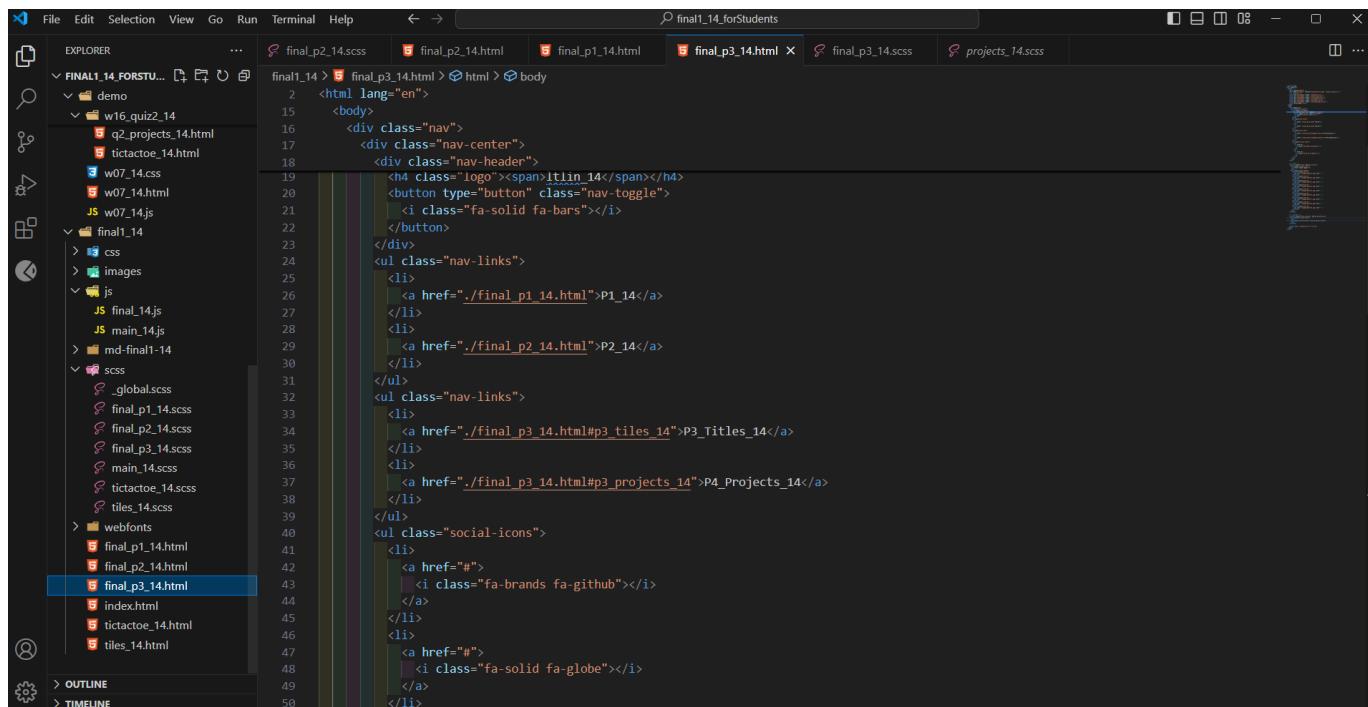
final1_14 > final_p3_14.html > html > body > div.nav
2   <html lang="en">
3
4   <body>
5     <div class="nav">...
6
7     <!-- tiles -->
8     <section class="tiles" id="p3_tiles_14">
9       <div class="section-title">
10         <h2>tiles layout page</h2>
11       </div>
12       <div class="tiles-center">
13         <article class="tile-1">
14           
15         </article>
16         <article class="tile-2">
17           
18         </article>
19         <article class="tile-3">
20           
21         </article>
22         <article class="tile-4">
23           
24         </article>
25         <article class="tile-5">
26           
27         </article>
28         <article class="tile-6">
29           
30         </article>
31         <article class="tile-7">
32           
33         </article>
34         <article class="tile-8">
35           
36         </article>
37         <article class="tile-9">
38           
39         </article>
40       </div>
41     </section>
42   </body>
43 </html>

```

(6%) P4: 建立所有選項，P1_14, P2_14, P3_Tiles_14, P3_Projects_14 之間的超連結，都要正常能夠執行

Your Answer

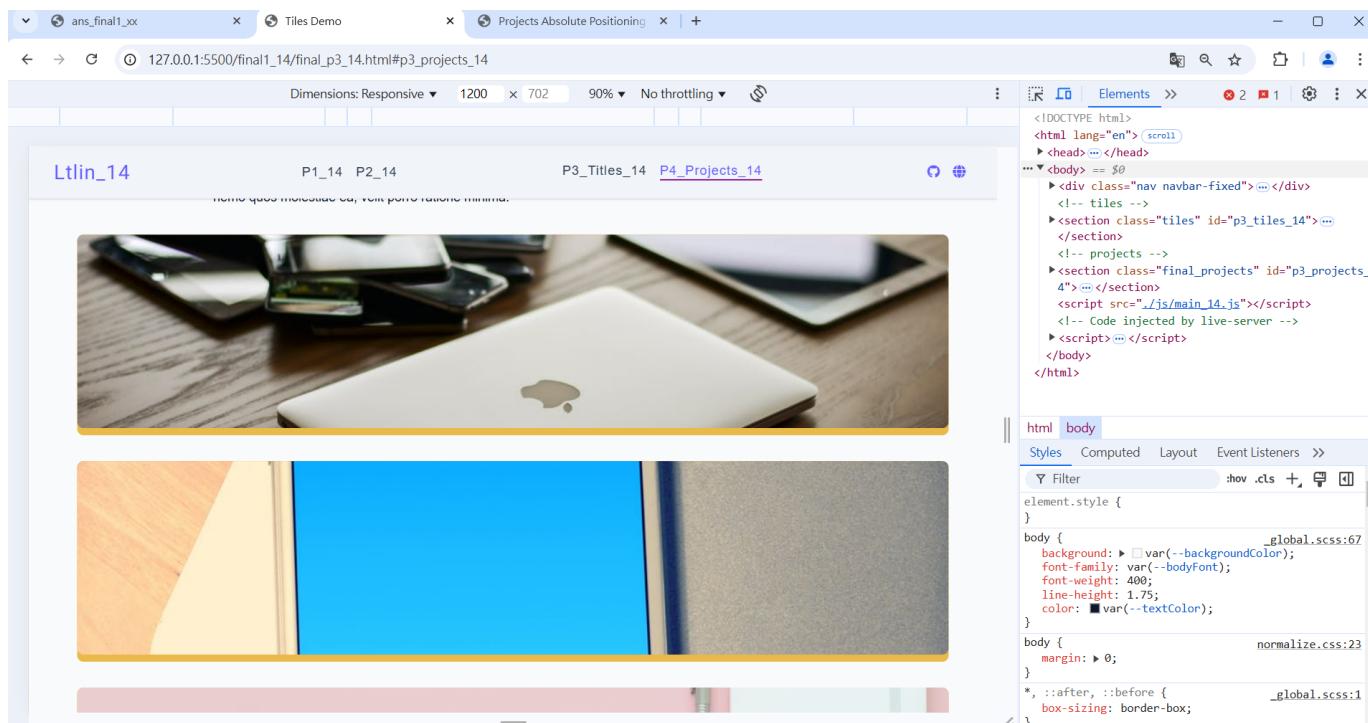
=> 請顯示 html 相關的 code



```

final1_14
1 <html lang="en">
2   <body>
3     <div class="nav">
4       <div class="nav-center">
5         <div class="nav-header">
6           <h4 class="logo"><span>Ltin_14</span></h4>
7           <button type="button" class="nav-toggle">
8             <i class="fa-solid fa-bars"></i>
9           </button>
10          </div>
11          <ul class="nav-links">
12            <li>
13              <a href=".final_p1_14.html">P1_14</a>
14            </li>
15            <li>
16              <a href=".final_p2_14.html">P2_14</a>
17            </li>
18          </ul>
19          <ul class="nav-links">
20            <li>
21              <a href=".final_p3_14.html#p3_tiles_14">P3_Titles_14</a>
22            </li>
23            <li>
24              <a href=".final_p3_14.html#p3_projects_14">P4_Projects_14</a>
25            </li>
26          </ul>
27          <ul class="social-icons">
28            <li>
29              <a href="#">
30                <i class="fa-brands fa-github"></i>
31              </a>
32            </li>
33            <li>
34              <a href="#">
35                <i class="fa-solid fa-globe"></i>
36              </a>
37            </li>
38          </ul>
39        </div>
40      </div>
41    </body>
42  </html>
43
44
45
46
47
48
49
50

```



Ltin_14

P1_14 P2_14 P3_Titles_14 P4_Projects_14

Dimensions: Responsive ▾ 1200 × 702 90% ▾ No throttling ▾

Elements ▾

```

<!DOCTYPE html>
<html lang="en"> (scroll)
  > head > </head>
  ... > body == $0
    > div class="nav navbar-fixed" ...
    > !-- tiles -->
    > section class="titles" id="p3_tiles_14" ...
    </section>
    <!-- projects -->
    <section class="final_projects" id="p3_projects_4" ...
    <script src=".js/main_14.js"></script>
    <!-- Code injected by live-server -->
    <script>...</script>
</body>
</html>

```

html | **body**

Styles Computed Layout Event Listeners ▾

Y Filter show .cls +

```

element.style {
}
body {
  background: var(--backgroundColor);
  font-family: var(--bodyFont);
  font-weight: 400;
  line-height: 1.75;
  color: var(--textColor);
}
body {
  margin: 0;
}
*, ::after, ::before {
  box-sizing: border-box;
}

```