

(100%) Web 程式設計 2N 期末上機考-2 -- 開放考試

2024-4-12 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，情節嚴重者會送校。
2. iClass 上請繳交 md_xx.zip，還有 f2_xx.zip 2 個檔 (node_modules 請刪除)
3. 請直接將答案寫在 f2_xx.md 上，老師實作的圖片放在 f2_htc.pdf 上，請依照老師所給的圖片來實作並標註
4. 請用老師提供的 f2_xx code 來實作 P2, P3, P4 等 3 題
5. 跟期中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。跟期中考題無關的檔案及目錄名稱有 xx，則不必修改。
6. 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。
7. 有標註要 git log 的題目，必須要做，這是我們上課練習的一部分。
8. 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): (何書維,209410124)

f2 開放網路題目 (50%)

- P1-1 (10%): 10 分
- P1-2 (10%): 10 分
- P1-3 (10%): 10 分
- P1-4 (10%): 10 分
- P2 (15%): 15 分
- P3 (20%): ? 分
- P4-1 (5%): ? 分
- P4-2 (10%): ? 分
- P4-3 (10%): ? 分

總分: 55 分

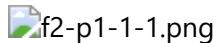
(40%) P1: Show Info of Your Github Repo, Client Supa Github, Vercel as follows

(10%) P1-1: Show Your Github Repo for all md and demo

=> My Github repo URL

https://github.com/htchung/1122-wp2-2N_xx

=> 下圖左邊框顯示所有的 demo，右邊框顯示所有的 md



Your Answer

=> My Github repo URL

My Github repo URL for demo

=> 下圖左邊框顯示所有的 demo · 右邊框顯示所有的 md

The screenshot shows a GitHub repository page for '1122-wp2-2N-24'. The left sidebar shows the repository structure with a 'demo' branch expanded, containing subfolders like 'final_24', 'w03', 'w04', 'w05', 'w06', 'w10', 'w11', 'w12', 'w13', 'w14', 'w15', 'w03-crud_24', 'w04-task_24', 'w05-taskSupa_24/clientSupa_24', and 'w06-TASKNODE_24'. The right main area shows a list of files under the 'md' branch, with a table showing the name, last commit message, and last commit date for each file. The commits are as follows:

Name	Last commit message	Last commit date
...		
final_24	f1-p3	last week
w03	W4-P1: Server: implement GET /api/tasks	3 months ago
w04	w04	3 months ago
w05	w05	3 months ago
w06	w06	3 months ago
w10	w10	2 months ago
w11	W11	last month
w12	w12	last month
w13	w13	last month
w14	P2 update p2-3	3 weeks ago
w15	w15	2 weeks ago

=> git log

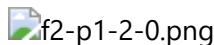
```
git log --pretty=format:"%h%x09%an%x09%ad%x09%" --after="2024-06-11"
```

```
d4b70e6 unknown Wed Jun 12 18:51:50 2024 +0800 f2-p1
```

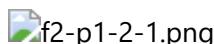
(10%) P1-2: Show all your git logs from W10 to W15

=> My Github URL for git logs · 標註本學期 git log 次數

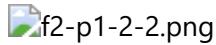
My Github URL for git logs



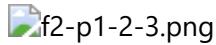
=> git log for w15 and w14



=> git log for w13 and w12

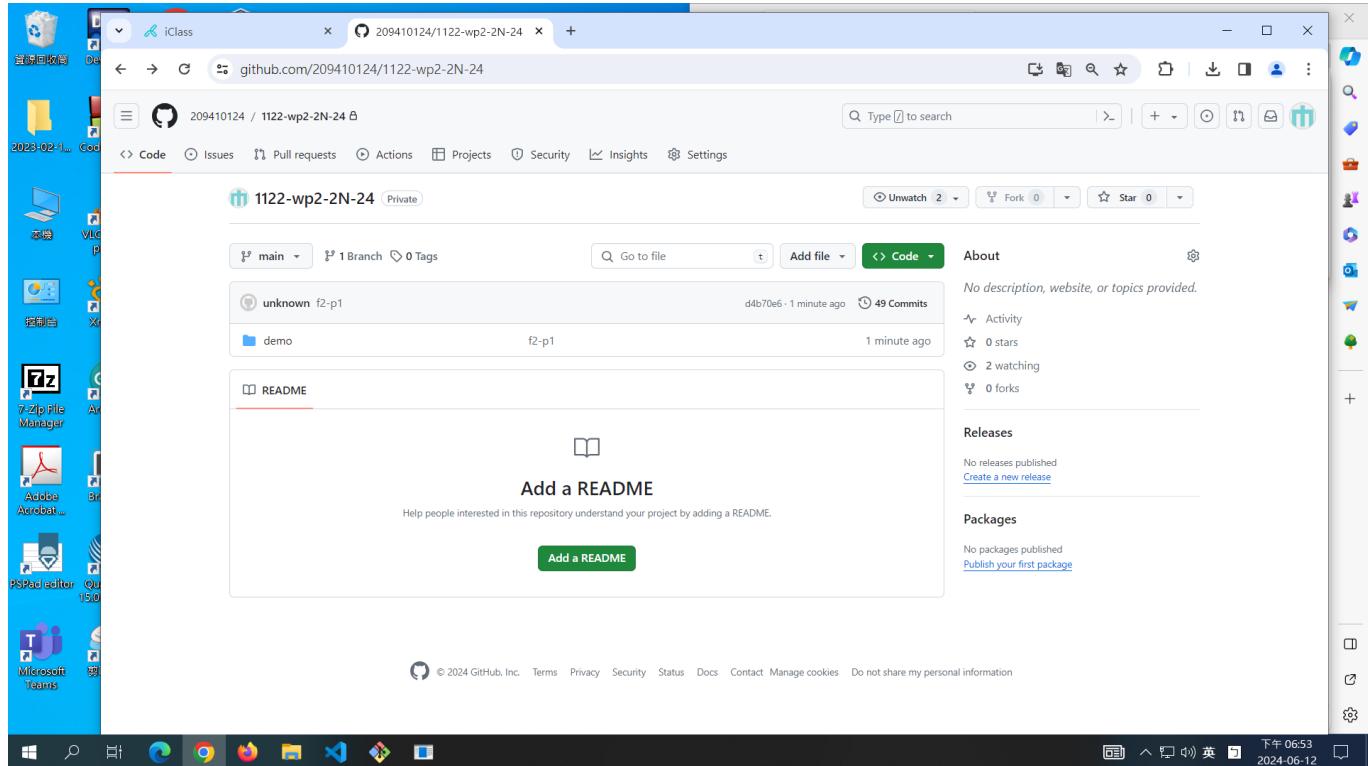


=> git log for w11 and w10



Your Answer

=> My Github URL for git logs · 標註本學期 git log 次數



=> git log for w15 and w14

A screenshot of a GitHub commit history for a repository named 'iClass'. The commits are listed in chronological order from top to bottom. The commits are grouped by developer:

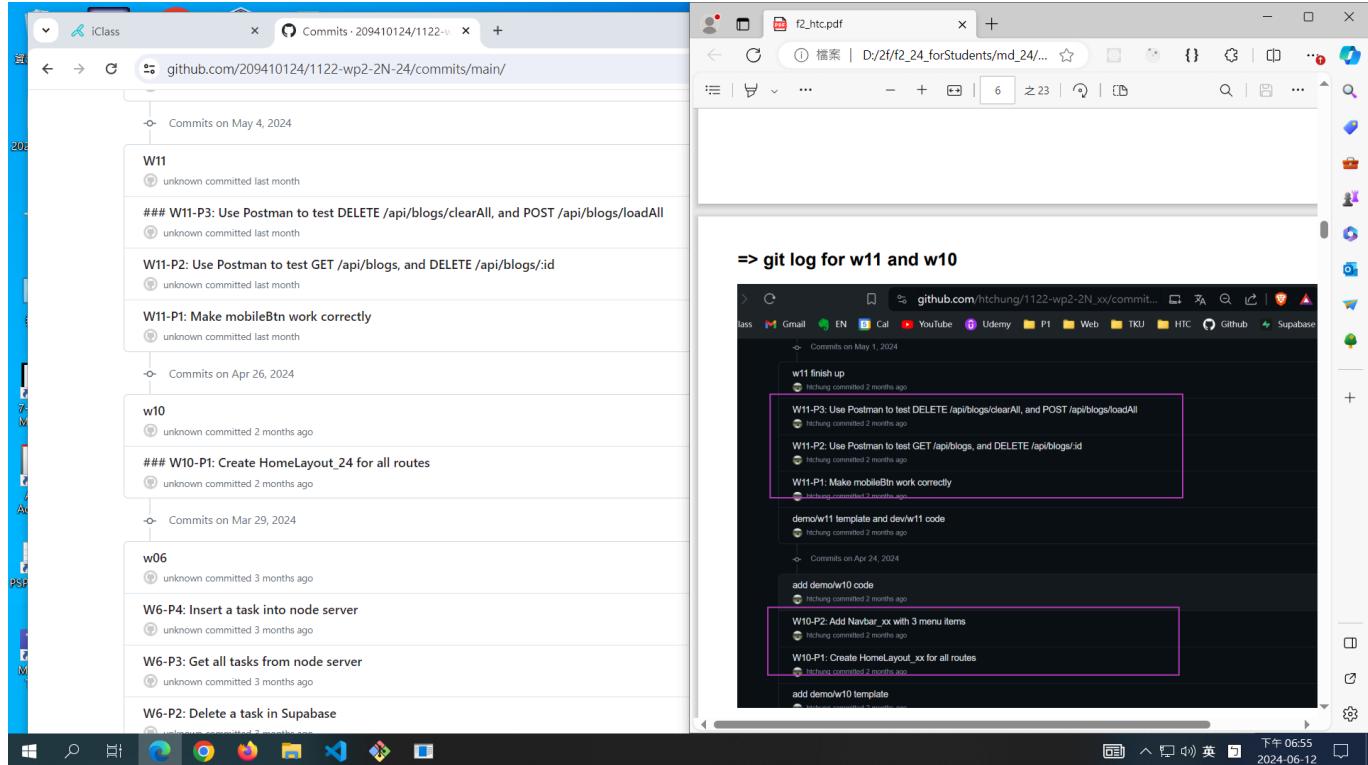
- w15**:
 - unknown committed last week
 - Commits on May 31, 2024
 - w15-p3: unknown committed 2 weeks ago (commit d098aba)
 - W15-P2: For landing page, get 8 cabins data from Supabase (commit 1897eas)
 - W15-P1: Show static page <LandingStatic_24 /> using route /landing (commit 069e545)
- w14**:
 - Commits on May 25, 2024
 - w14: unknown committed 3 weeks ago (commit 020c279)
 - P2 update p2-3: unknown committed 3 weeks ago (commit b19adac)
 - W14-P2: Make jonas code work, and show cabins and bookings info (commit 31a3772)
 - W14-P1: Use sql to create schemas of cabins_24, guests_24, bookings_24, settings_24, and use Uploader to upload all data (commit ba51746)
- w13**:
 - Commits on May 18, 2024
 - w13: unknown committed last month (commit c71e031)

=> git log for w13 and w12

A screenshot of a GitHub commit history for the same repository 'iClass'. The commits are listed in chronological order from top to bottom. The commits are grouped by developer:

- w13**:
 - Commits on May 18, 2024
 - w13: unknown committed last month (commit c71e031)
 - ### W13-P2: Get first booking_24 data, with corresponding cabin_24 and guest_24 data (commit ce17c74)
 - ### W13-P1: Get first Cabins_xx data from Supabase (commit 3c4a955)
- w12**:
 - Commits on May 11, 2024
 - w12: unknown committed last month (commit 6208959)
 - ### W12-P4: Insert a blog using React Query (commit f53962f)
 - ### W12-P3: Use React Query to read all blogs from Node server (commit 341017c)
- w11**:
 - Commits on May 10, 2024
 - ### W12-P2: Update a blog with id=20 (commit 18020be)
 - ### W12-P1: Insert a blog using local json array (commit 8b154af)

=> git log for w11 and w10



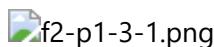
=> git log

```
b4cbc00 unknown Wed Jun 12 18:58:32 2024 +0800 f2-p1-2
```

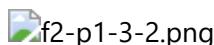
(10%) P1-3: 佈署 w15 demo 到 Vercel，並顯示如下資訊

w15 demo deploy to Vercel

=> 顯示在 Vercel 上的 landing page



=> 透過 Vercel 頁面，以含有你學號的 email login，登入後在 Dashboard 頁面顯示你個人及 登入之 user 資訊



Your Answer

=> 顯示在 Vercel 上的 landing page

The screenshot shows a web browser window with multiple tabs open. The active tab displays a landing page for 'The Wild Oasis' (209410124). The page features a header with a logo and navigation links for Home, Cabins, About, Contact us, and Login. Below the header, a section titled 'Our Luxury Cabins' is displayed, featuring six cabin listings arranged in two columns of three. Each listing includes a small image of the cabin interior, the cabin number, guest capacity, price per night (\$), and a 'Details & reservation' button.

Cabin Number	Capacity	Price / night
Cabin 001	For up to 2 guests	\$250
Cabin 002	For up to 2 guests	\$350
Cabin 003	For up to 4 guests	\$300
Cabin 004	For up to 4 guests	\$500
Cabin 005	For up to 6 guests	\$350
Cabin 006	For up to 6 guests	\$800

At the bottom of the browser window, the Windows taskbar is visible, showing various pinned icons and the system tray with the date and time (2024-06-12).

=> 透過 Vercel 頁面，以含有你學號的 email login，登入後在 Dashboard 頁面顯示你個人及 登入之 user 資訊

The screenshot shows a web browser with the dashboard of 'The Wild Oasis' (209410124) loaded. The dashboard interface includes a sidebar with navigation links for Home, Bookings, Cabins, Users, and Settings. A central area displays sample data upload options ('SAMPLE DATA', 'Upload ALL', 'Upload bookings ONLY'). On the right side, the DevTools Application panel is open, showing the user's session data. The 'Storage' section displays a key-value pair for an access token:

```

Key: sb-hsexmvemzljqjnfwob...
Value: {"access_token": "eyJhbGciOiJ..."}
  
```

The DevTools also shows other session details such as expiration times and refresh tokens. The bottom of the browser window shows the Windows taskbar with pinned icons and the system tray indicating the date and time (2024-06-12).

=> Dashboard 之程式碼 (code)

```

src > pages > JS Dashboard_24.jsx > Dashboard
1 import Heading from '../ui/Heading';
2 import Row from '../ui/Row';
3
4 function Dashboard() {
5   return (
6     <Row>
7       <Heading as='h1'>Final-2 Exam of Web Prog2, 209410124</Heading>
8
9       <p>
10         <li>Guest name : 何書維</li>
11         <li>Guest student ID : 209410124</li>
12         <li>Guest email : 209410124@gmail.com</li>
13         <li>Supabase user id : 86d883c9-b0d9-4136-897b-7336870fae8d</li>
14       </div>
15     </Row>
16   );
17 }
18
19 }
20
21 export default Dashboard;

```

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

$ git push
Enumerating objects: 15, done.
Counting objects: 100% (15/15), done.
Delta compression using up to 16 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (8/8), 669 bytes | 669.00 KiB/s, done.
Total 8 (delta 7), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (7/7), completed with 7 local objects.
To https://github.com/209410124/w15-vercel.git
  1a8d080..f3b9aeb main -> main

```

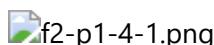
User@E201-49 MINGW64 /D/w15_wildOasis_24 (main)

=> git log

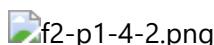
```
5482f5f unknown Wed Jun 12 20:24:05 2024 +0800 f2-p1-3
```

(10%) P1-4: 透過 P1-3 之程式登入後取得 Supabase access token, api keys

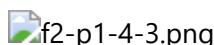
=> 登入後 · 取得 access token



=> 從 jwt.io 檢視 access token



=> Project URL & anon key



Your Answer

=> 登入後 · 取得 access token

The screenshot shows a Windows desktop environment with several application icons in the taskbar. A web browser window is open to a dashboard titled "Final-2 Exam of Web Prog2, 209410124". The dashboard has sections for Home, Bookings, Cabins, Users, and Settings. A "SAMPLE DATA" button is present. On the right, the Chrome DevTools Application tab is active, displaying storage information. A context menu is open over the access token value, showing options like "Copy value", "Copy property path", etc.

=> 從 jwt.io 檢視 access token

The screenshot shows a Windows desktop environment with several application icons in the taskbar. A web browser window is open to the jwt.io tool, which is used to decode the JWT. The token is shown in three parts: HEADER, PAYLOAD, and SIGNATURE. The PAYLOAD section contains the following JSON data:

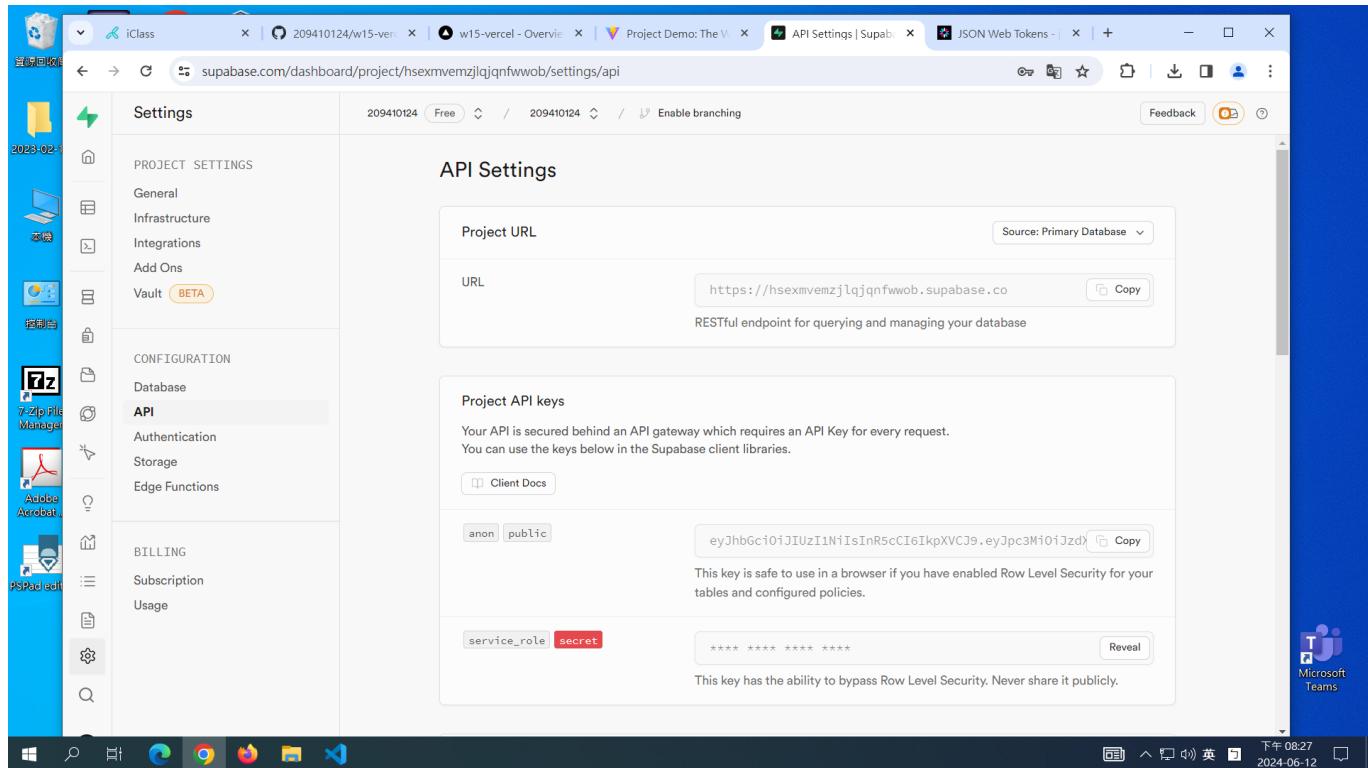
```

{
  "alg": "HS256",
  "kid": "qXBCqo+jm4pXLDB6",
  "typ": "JWT"
}

{
  "aud": "authenticated",
  "exp": 1718198506,
  "iat": 1718194906,
  "iss": "https://hsexmvemzjljqnfwob.supabase.co/auth/v1",
  "sub": "86d883c9-b0d9-4136-897b-7336870fae8d",
  "email": "209410124@gmail.com",
  "phone": "",
  "app_metadata": {
    "provider": "email",
    "providers": [
      "email"
    ]
  },
  "user_metadata": {},
  "role": "authenticated",
  "aai": "aai1",
  "amr": []
}

```

=> Project URL & anon key

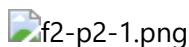


=> git log

```
c8ec9c4 unknown Wed Jun 12 20:29:00 2024 +0800 f2-p1-4
```

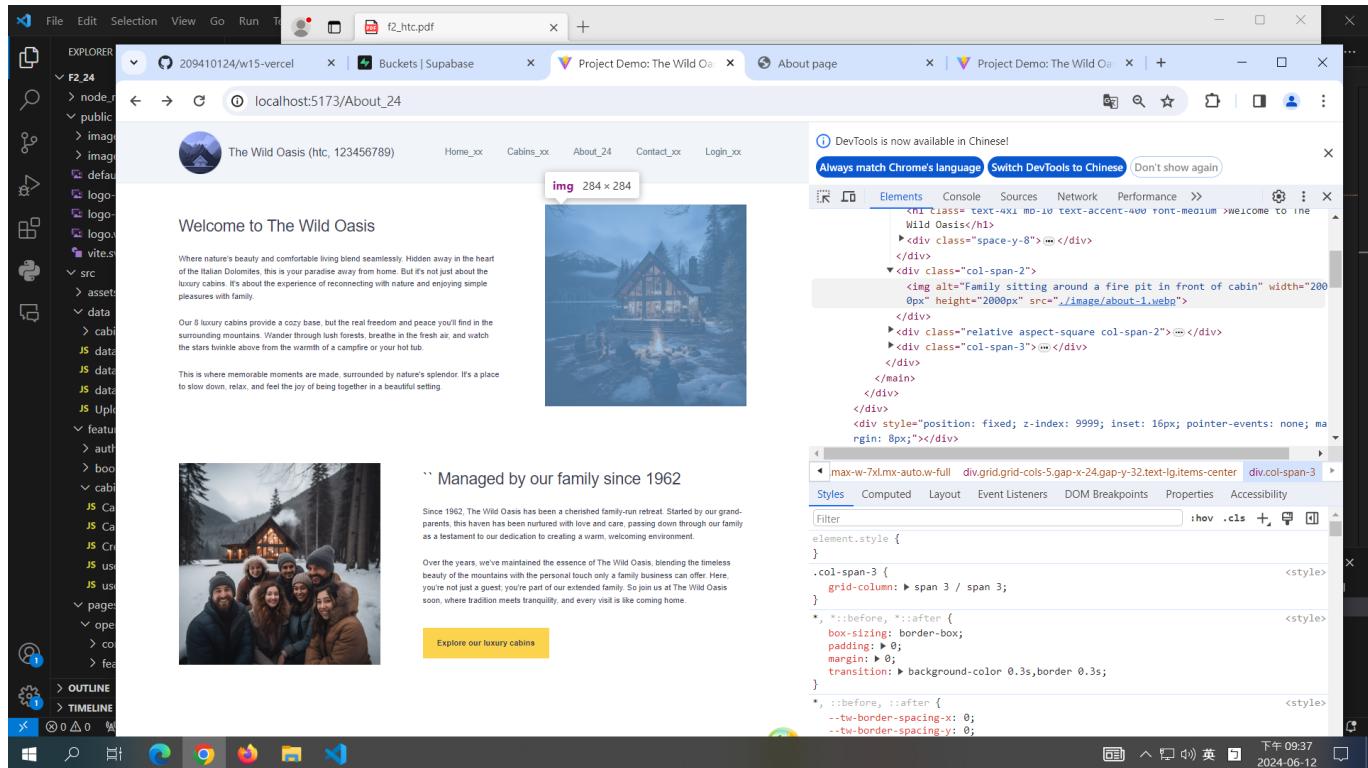
以下 P2, P3, P4 題目請透過老師提供的 f2_xx 來實作，跟 P2, P3, P4 有關的檔案及目錄，如有 xx 需改成學號後兩碼，跟期中考無關的檔案及目錄出現 xx，則不需要修改。

(15%) P2: 實作路由 /about_xx，點選上方選單 About_xx，可以顯示 About 訊息如下圖



Your Answer

=> Chrome 顯示圖片如上



=> 相關重點 code 說明

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

- File Explorer:** On the left, it displays the project structure. The `src` folder contains components like `App_24.jsx`, `index.jsx`, `Landing_24.jsx`, `useCabins.js`, `apiCabins.js`, `About_24.jsx`, `about-1.webp`, and `main.jsx`. Below `src` are `assets`, `data`, `cabins`, `features`, `authentication`, `bookings`, and `cabins` sub-folders with their respective files.
- Code Editor:** The main area shows the `About_24.jsx` file. The code defines a functional component `About_24` that imports `Link` from `react-router-dom` and `Header_xx` from a local component folder. It uses a grid system with `grid grid-cols-5 gap-y-32 text-lg items-center` and `grid grid-cols-5 gap-x-24 gap-y-32 text-lg items-center` to layout the page. It includes sections for bookings, cabins, and features.
- Terminal:** At the bottom, the terminal shows the command `vite hmr update /src/pages/open/pages/About_24.jsx, /src/index.css` with 15 instances.
- Bottom Status Bar:** Shows file statistics (Ln 8, Col 12), code style settings (Spaces: 2, CRLF, JavaScript), and developer tools (Go Live, vite: ready, Spell, Prettier).

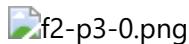
=> **git log**

028f243 unknown Wed Jun 12 21:40:05 2024 +0800 f2-p2

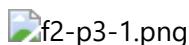
(20%) P3: 請實作 /cabins_xx/:id，當點選 **Details and reservation** 時，顯示該 cabin id 的詳細資訊，如下圖。

如果直接從全部 cabins 中篩選 id，顯示所要的畫面，而沒有實作 /cabins_xx/:id 路由者，得 10 分。

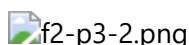
以下老師顯示 Cabin 001 及 008 兩筆。同學們顯示請以你的學號後兩個數字分別除以 8 取餘數來決定。舉例，如果學號最後兩個數字為 85，則先顯示 Cabin 005，後顯示 Cabin 008。



=> 點選 Cabin 001 之 Details 按鈕，顯示 Cabin 001 詳細資訊

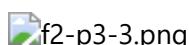


=> 點選 Cabin 008 之 Details 按鈕，顯示 Cabin 001 詳細資訊

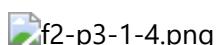


Your Answer

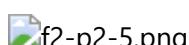
=> 以你的學號最後 1 個數字，依老師上述規則，點選對應的 Cabin 之 Details 按鈕，顯示該 Cabin 詳細資訊



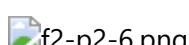
=> 以你的學號最後第 2 個數字，依老師上述規則，點選對應的 Cabin 之 Details 按鈕，顯示該 Cabin 詳細資訊



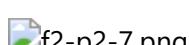
=> **CabinById_xx.jsx** 相關重點 code 說明



=> **useCabinById_xx.jsx** 相關重點 code 說明



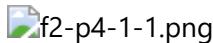
=> **apiCabins.jsx** 相關重點 code 說明



=> **git log**

(5%) P4-1: 請在 Supabase 加入一筆有你

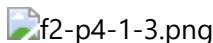
=> 用 SQL 指令新增一筆有你學號的 emal



=> 在 **guests_xx** 中檢查剛新增、有你學號的 **guest id**



=> 列出在 **Supabase** 所有 **cabin** 的 **id** 及 **name**



Your Answer

=> 用 **SQL** 指令新增一筆有你學號的 **email**



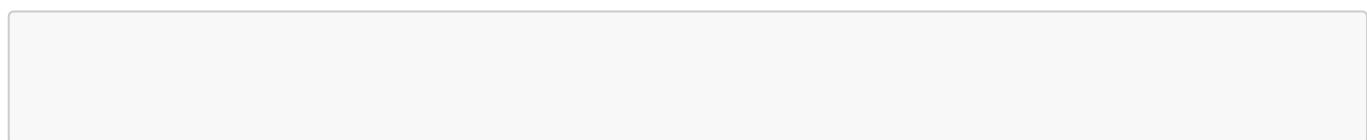
=> 在 **guests_xx** 中檢查剛新增、有你學號的 **guest id**



=> 列出在 **Supabase** 所有 **cabin** 的 **id** 及 **name**



=> **git log**



(10%) P4-2: 在 P3 題下面加入一個按鈕 **Add Reservation**，可以新增一筆預訂，請用 P4-1 的 **guest id** 來預訂，訂購資訊會寫入 **bookings_xx** 中

考試時，為了節省時間，不需要產生 form，可以直接參考下圖右方老師資料來進行輸入，但是 guest id 必須符合 P4-1 你所建立的 guest id。

為了節省時間，本題不須使用 React Query。

=> **Chrome** 成功寫入並正確回傳資訊

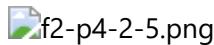


=> 在 **Supabase bookings_xx** 檢查剛新增的資料，並全部列出



Your Answer

=> **Chrome** 成功寫入並正確回傳資訊



=> 在 **Supabase bookings_xx** 檢查剛新增的資料，並全部列出

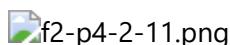


=> **CabinById.jsx** 相關的 code

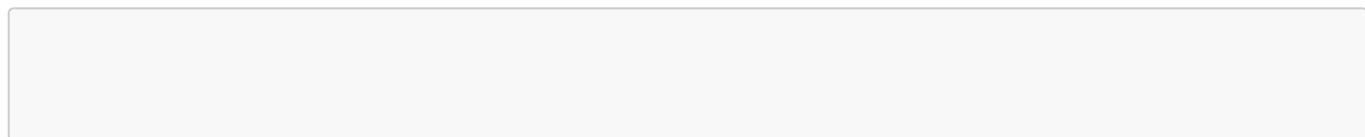
本題可以直接呼叫 `apiBooking.jsx`, 不需要透過 React Query



=> **apiBooking.jsx** 相關的 code



=> git log

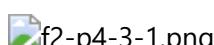


(5%) P4-3: 在 P3 題下面加入一個按鈕 **Update Reservation**，可以修改 P4-2 所建立的預訂資料

本題要修改的資料有 `totalPrice`，因為計算錯誤，計算公式為 $(250+50)*5 = 1500$ ，另外 `observations` 改成 'We will be late check-in after 10pm, please help pick us up at the airport.'

為了節省時間，本題不須使用 React Query。

=> **Chrome** 成功寫入並正確回傳資訊

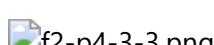


=> 在 **Supabase bookings_xx** 檢查更新的資料



Your Answer

=> **Chrome** 成功更新並正確回傳資訊

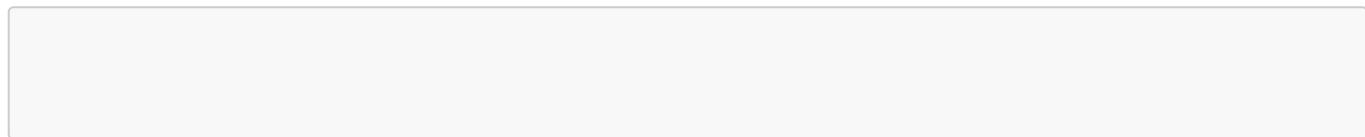


=> 在 **Supabase bookings_xx** 檢查剛更新的資料，並全部列出



=> CabinById.jsx 相關的 code

本題可以直接呼叫 apiBooking.jsx, 不需要透過 React Query

**=> apiBooking.jsx 相關的 code****=> git log**

(5%) P4-4: 在 P3 題下面加入一個按鈕 Delete Reservation , 可以刪除 P4-2 所建立的預訂資料

bookingId 必須是 P4-2 所建立的 id

為了節省時間，本題不須使用 React Query。

=> Chrome 成功刪除

=> 在 Supabase 下 SQL 指令 , 顯示已經找不到刪除的資料了

**Your Answer**

=> Chrome 成功寫入並正確回傳資訊

=> Chrome 成功刪除



=> 在 Supabase 下 SQL 指令 , 顯示已經找不到刪除的資料了

**=> CabinById.jsx 相關的 code**

本題可以直接呼叫 apiBooking.jsx, 不需要透過 React Query

**=> apiBooking.jsx 相關的 code**



=> **git log**

