

(20%) Web 程式設計 2N 期末上機考-1

2024-6-5 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 (md 檔，所有圖片檔，pdf 檔)，及 code_xx.zip 兩個檔案 (node_modules 請刪除)。
3. 請直接將答案寫在 f1_xx.md 上，老師實作的圖片放在 f1_htc.pdf 上，請依照老師所給的圖片來實作並標註。
4. 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。
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. 有配分的每一題，都需要 git log 至 Github，沒有傳到 Github 者，會被扣該題 50%分數。
7. 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): (?, ?)

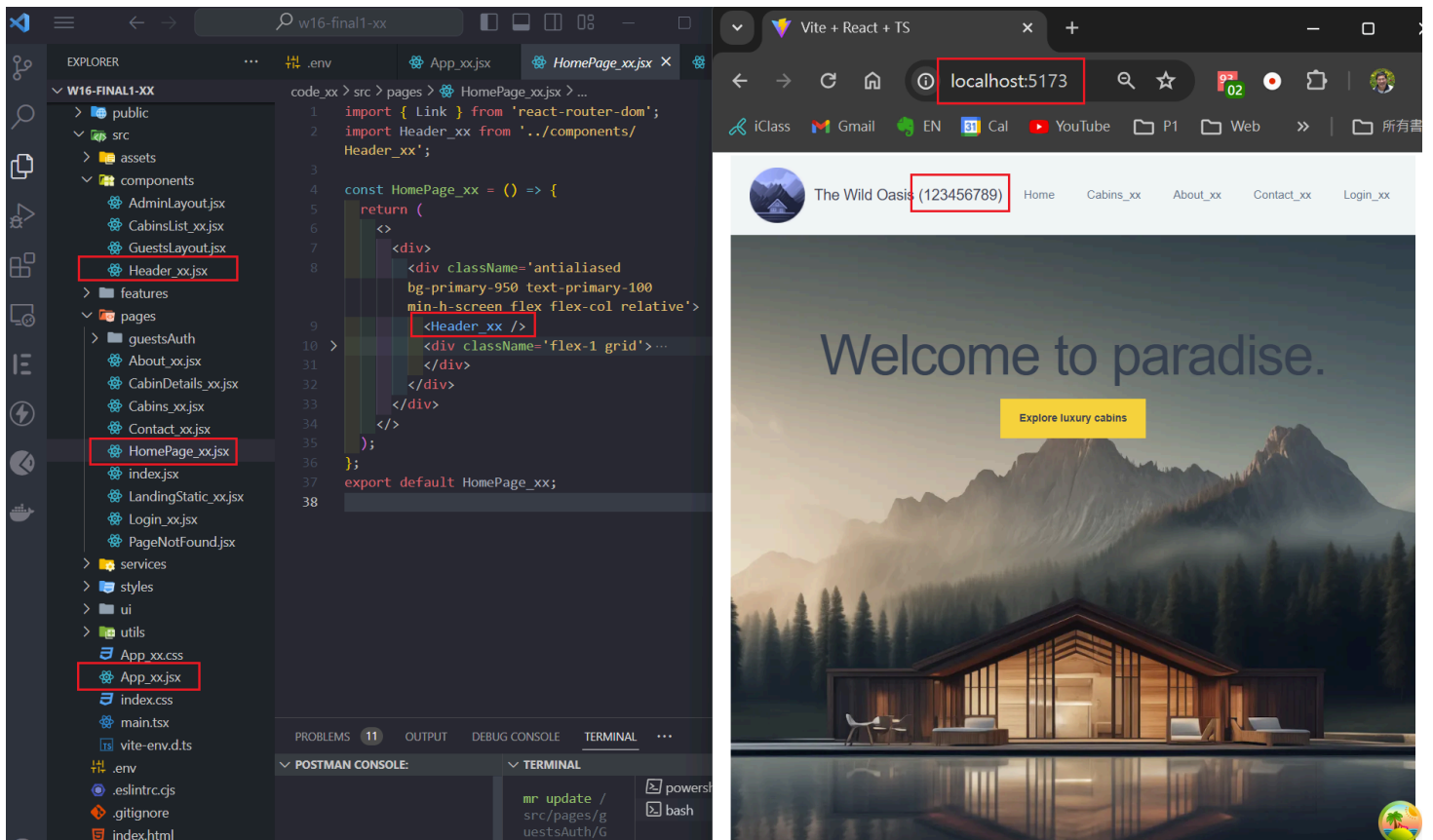
final1 題目 (100%)

- P1 (20%): ? 分
- P2 (25%): ? 分
- P3 (25%): ? 分
- P4 (30%): ? 分

總分: ? 分

注意：請依老師這次上機考所給的 code 開始撰寫，不可以寫在 w15 老師之前上課的 demo 中，因為整個檔案結構不一樣

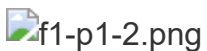
(20%) P1: 用老師所提供的 Wild Oasis theme，在瀏覽器根目錄，顯示 `<HomePage_xx />` 及本題檔案結構，如下



=>

Your Answer

=> `<HomePage_xx />` 及 `<Header_xx />` 顯示與圖片有關主要的 code (有些展開，有些收起)。
`<Header_xx />` 在 P2, P3, P4 會用到，請寫成一個 component。

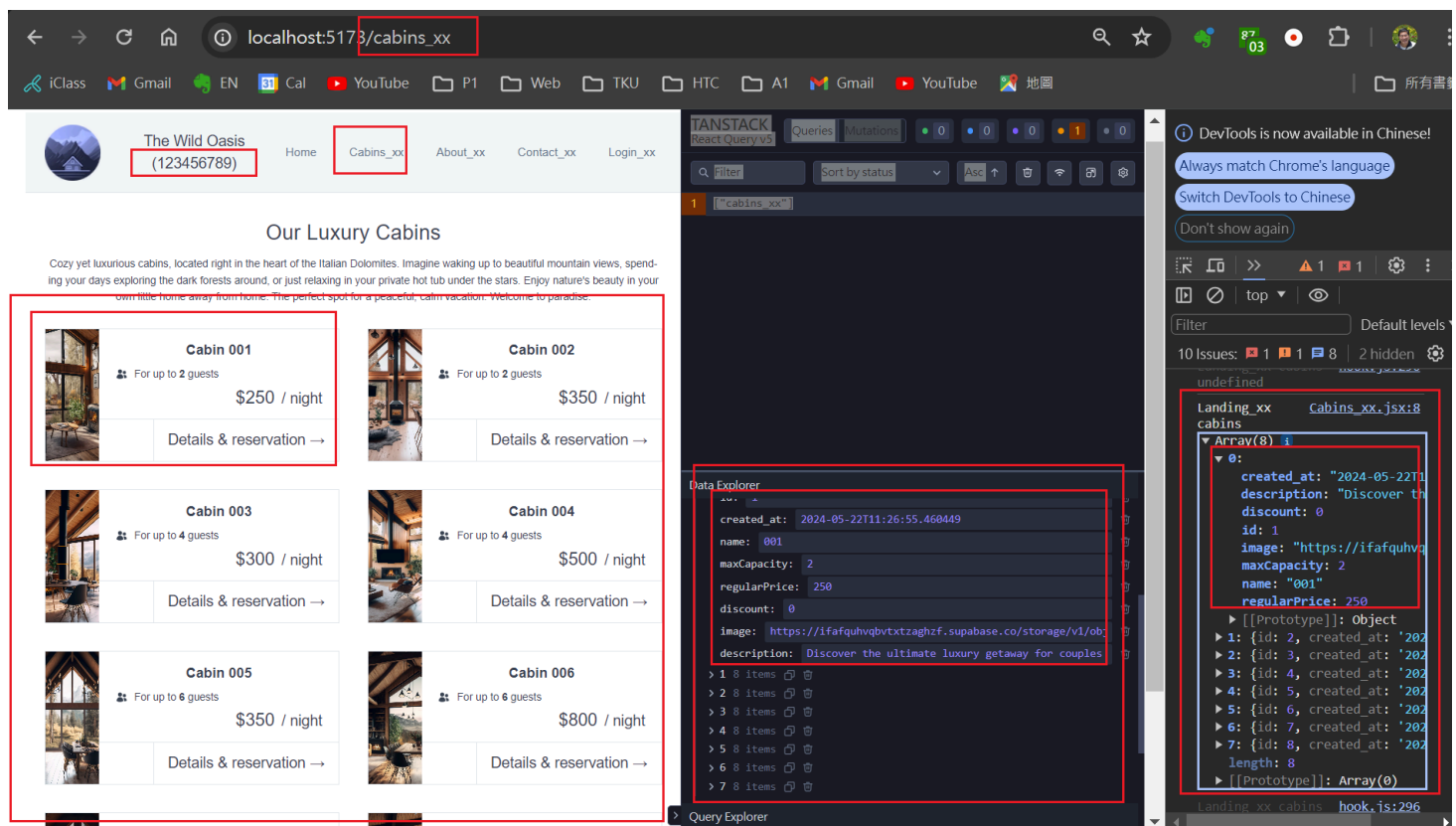


=> 顯示 `App_xx.jsx` 本題之路由，並透過 Chrome 路由 / 顯示圖片 (左邊 code, 右邊圖)

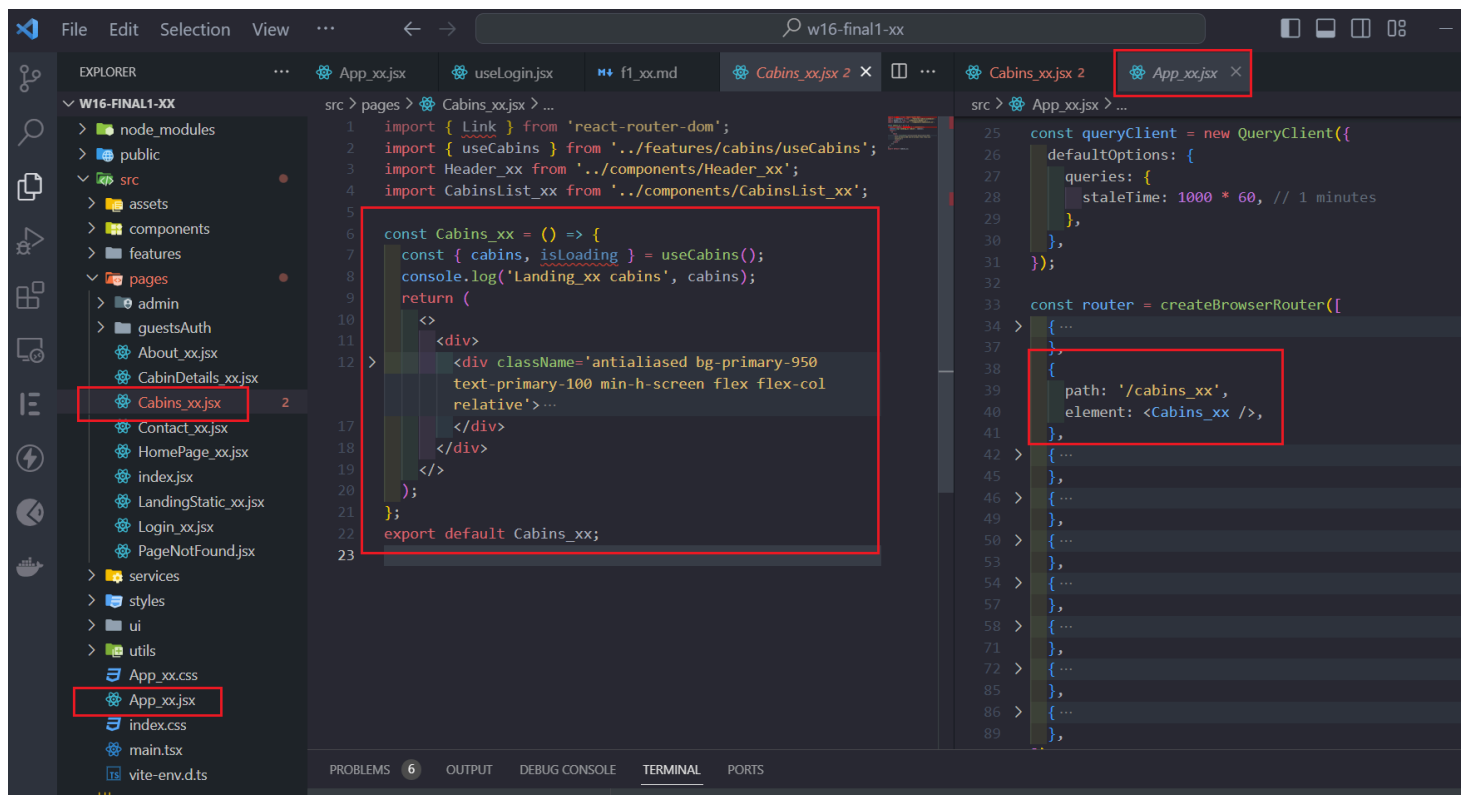


=> git log

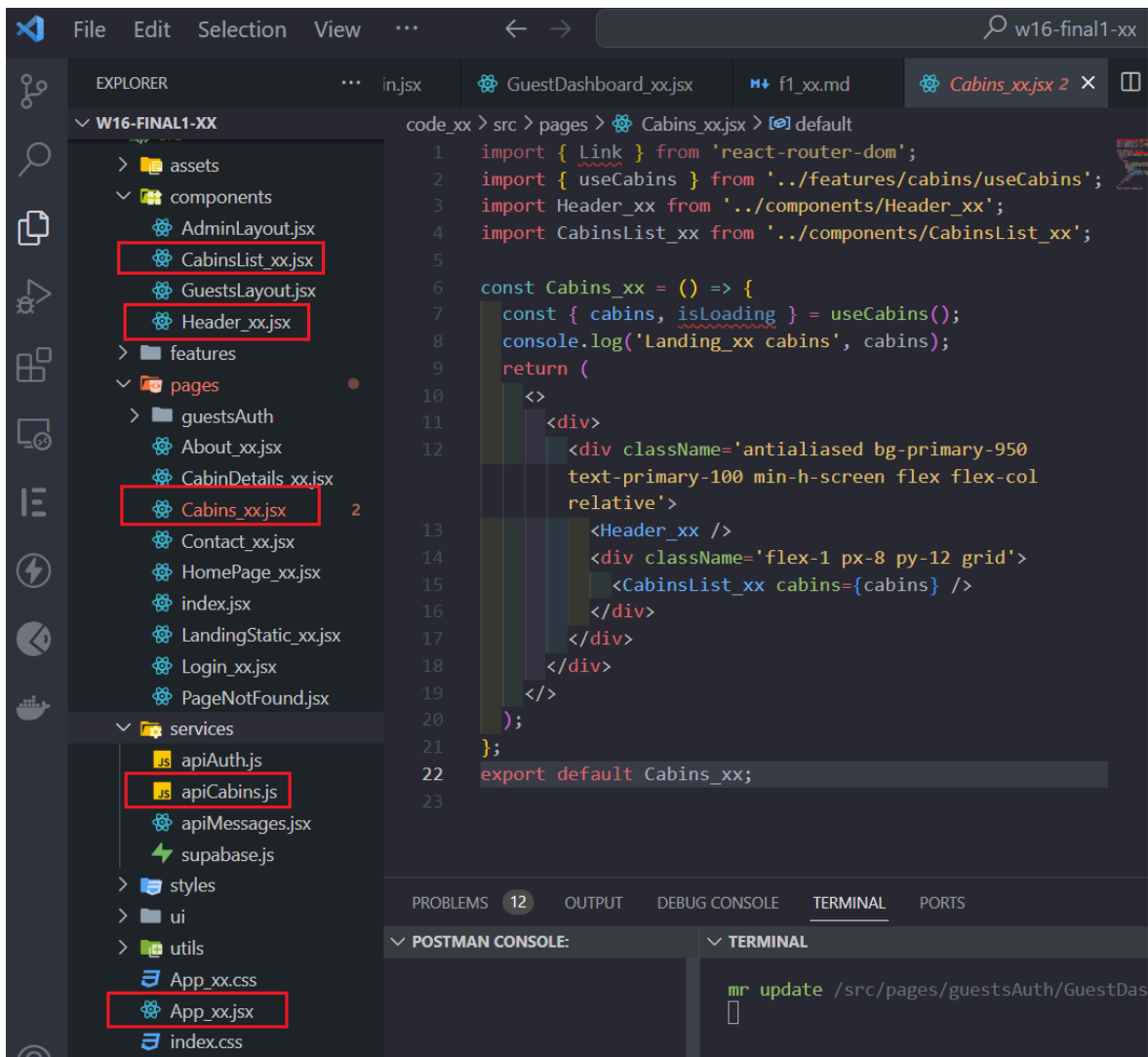
(25%) P2: 點選 P1 圖片上的 Explore luxury cabins，透過路由 /cabins_xx，可以自 Supabase 抓取預設 8 筆 cabin 資料，這與點選選單項目 Cabins_xx 一樣，會得到一樣的結果。顯示如下圖。



=> 在<Cabins_xx /> 上直接去呼叫 useCabins()，透過 React Query to 呼叫 apiCabins.jsx 取得 8 筆 cabins 資料



=> 目錄及檔案結構如下



Your Answer

=> Chrome 顯示如本題第一張圖

f1-p2-3.png

=> 顯示 <Cabins_xx /> 完成本題主要的 code

f1-p2-4.png

=> 顯示與本題有關 useCabins() 及 services/apiCabins 相關的 code

f1-p2-4.png

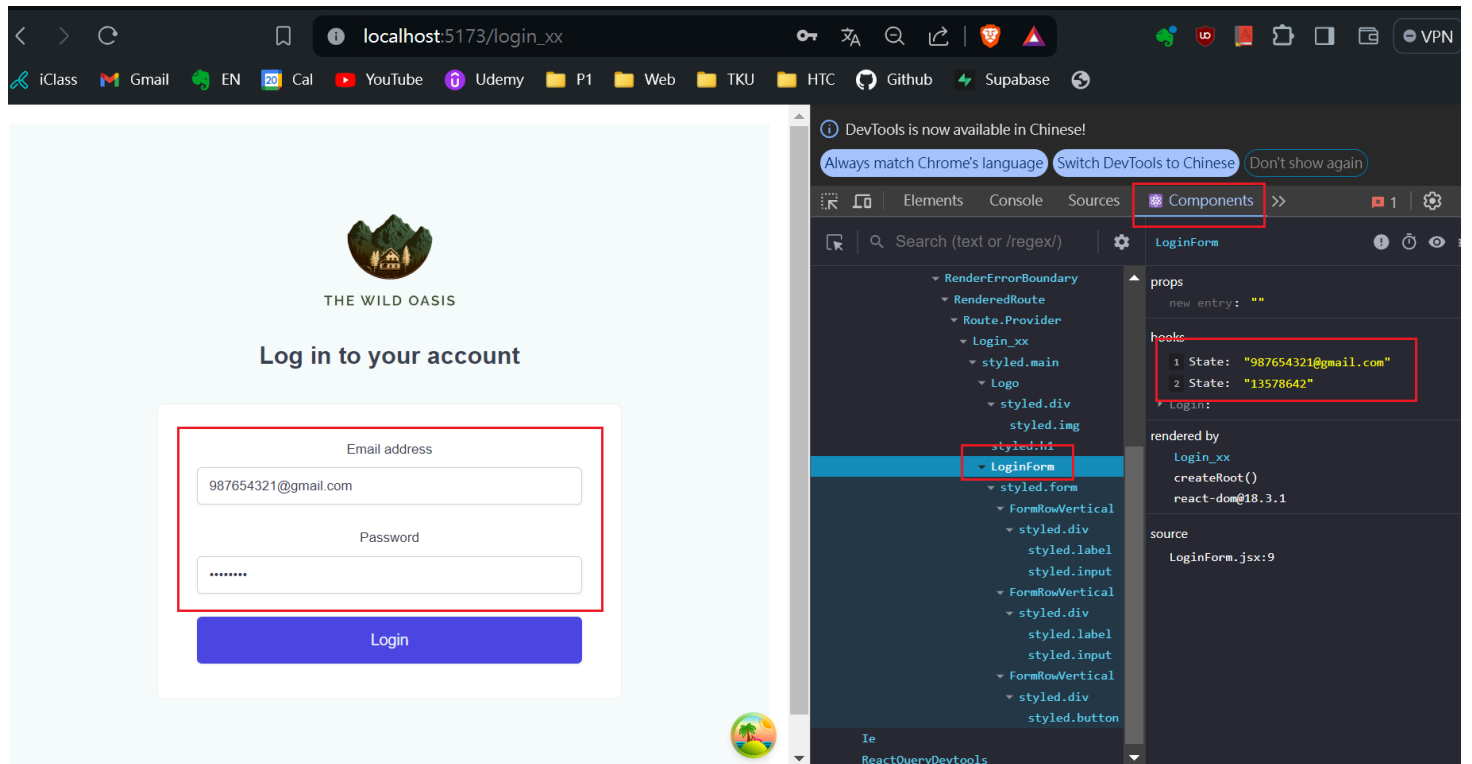
f1-p2-5.png

=> git log

(25%) P3: 參考老師 w15 提供的 code，用路由 /login_xx 登入，用路由 /logout_xx 登出，登入帳號請以你在 Supabase 上已經建立有你學號的帳號。

老師這裡用的 Email 是 987654321@gmail.com, 密碼 13578642，你們必須要寫出本次考試登入時所用的帳號和密碼，方便老師或助教可以執行你們所寫的程式。

=> 登入帳號及密碼



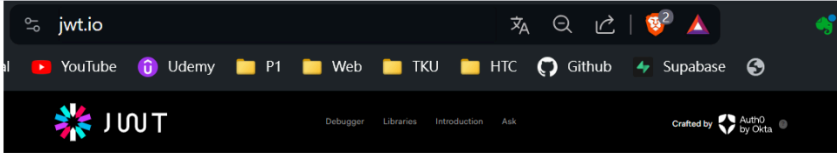
The screenshot shows a web browser window with the address bar displaying `localhost:5173/guest/dashboard_xx`. The page content includes a logo for 'THE WILD OASIS' and a navigation menu with 'Dashboard', 'Booking', and 'Settings'. The 'Dashboard' page displays user information for 'Guest name: Hsingtai Chung', 'Guest student ID: 987654321', 'Supabase email: 987654321@gmail.com', and 'Supabase user id: a00dbe3b-617f-4fb1-9ea0-d5548a2f9035'. Below this is a 'Supabase User Info:' section. A DevTools console on the right shows a JWT token being logged, with the 'session' object containing 'access_token', 'expires_at', 'expires_in', 'refresh_token', and 'token_type'. The 'user' object contains 'app_metadata' with 'provider: email' and 'confirmed: true', and 'identities' with 'is_anonymous: false'.

The screenshot shows the Supabase dashboard interface. On the left, there's a sidebar with a logo and navigation links: 'Dashboard' (highlighted with a red box), 'Booking', and 'Settings'. The main content area displays the 'API Settings' page. The 'Project URL' is highlighted with a red box, showing the URL 'https://fafaquhqbvtxtzagh7f.supabase.co'. Below it, the 'Project API keys' section shows a 'public' key highlighted with a red box. At the bottom, the 'JWT Access token' is highlighted with a red box.



THE WILD OASIS

 [Dashboard](#)

 Booking Settings

Encoded PASTE A TOKEN HERE

[illegible]Decoded EDIT THE PAYLOAD AND SECRET

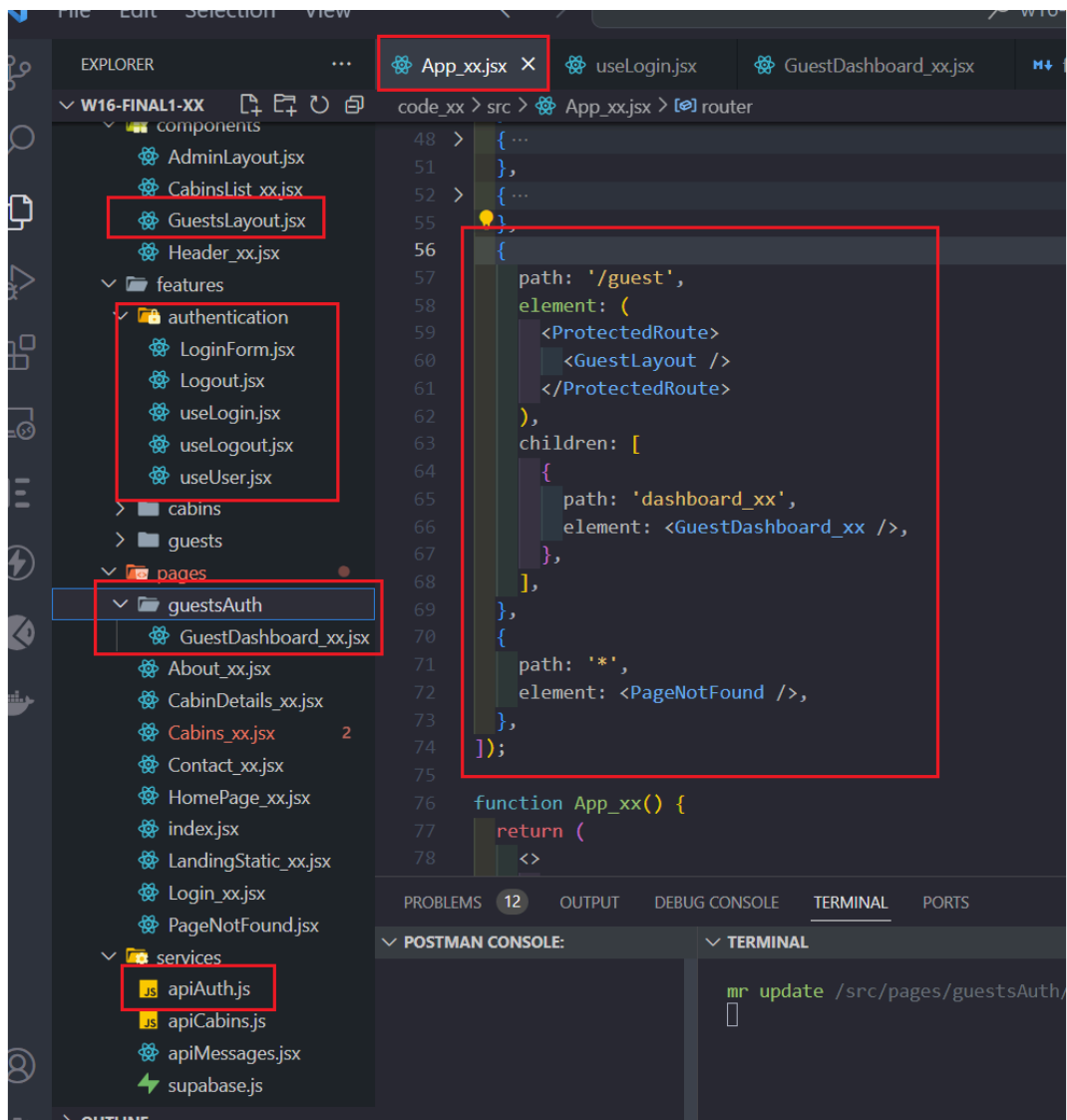
HEADER: ALGORITHM & TOKEN TYPE

```
{
  "alg": "HS256",
  "kid": "AqAZinEtBxPbhs9z",
  "typ": "JWT"
}
```

PAYLOAD: DATA

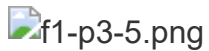
```
{
  "aud": "authenticated",
  "exp": 1717921488,
  "iat": 1717917888,
  "iss":
    "https://ifafqubvbtvstzsgaf.sagebase.com/auth/v1",
  "sub": "email-as-ifafqubvbtvstzsgaf.sagebase.com",
  "email": "987654321@gmail.com",
  "phone": "",
  "app_metadata": {
    "provider": "email",
    "providers": [
      "email"
    ]
  },
  "user_metadata": {},
  "role": "authenticated",
  "ail": "ail",
  "amr": [
    {
      "method": "password",
      "timestamp": 1717912878
    }
  ]
}
```

=> 目錄及檔案結構如下

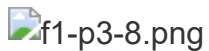
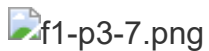


Your Answer

=> 登入帳號及密碼



=> 登入後，導向路由 `/guest/dashboard_xx`，呈現登入資訊如下三張圖



=> 顯示 `guestDashboard_xx.jsx` 相關 code



=> git log

(30%) P4: 實作 /contact_xx，一開始可以新增一筆訊息到 Supabasa，取得一個 messageId 後，可以編輯。

=> 新增一筆訊息，按鈕是 Add Message，Supabase 端要有 messageId，可以透過呼叫 utils/helper.jsx 中的 createIdByDate()取得。

The screenshot shows a web browser at localhost:5173/contact_xx. The page has a navigation bar with links: Home, Cabins_xx, About_xx, Contact_xx (highlighted), and Login_xx. Below the navigation bar is a form titled "Any question? Shoot us a message". The form contains four input fields: "Full name" (filled with "Hsingtai Chung"), "Email address" (filled with "987654321@gmail.com"), "Subject" (filled with "Room Reservation"), and "Message" (filled with "I wan to book cabin 001 from June 15, 2024 to June 21, 2024."). A yellow "Add message" button is at the bottom right of the form.

On the right, the React DevTools component inspector shows the component tree. The "Contact_xx" component is highlighted. Below the tree, the "hooks" section shows the state of the component:

```
1 State: "Hsingtai Chung"
2 State: "987654321@gmail.com"
3 State: "Room Reservation"
4 State: "I wan to book cabin 001 from June 15, 2024 to June 21, 2024."
5 State: null
```

=> 新增一筆訊息回傳結果，按鈕變成 Edit Message

將 Room Reservation 改成 Room Reservation -- make change
cabin 001 改成 cabin 003

localhost:5173/contact_xx

The Wild Oasis (123456789)

Home Cabins_xx About_xx Contact_xx Login_xx

Any question? Shoot us a message

Message id: 2116

Full name
Hsingtai Chung

Email address
987654321@gmail.com

Subject
Room Reservation

Message
I wan to book cabin 001 from June 15, 2024 to June 21, 2024.

Edit message

7 Issues: 1 1 1 5

postMessage() messageData
{messageId: 2116, fullName: 'Hsingtai Chung', email: '987654321@gmail.com', subject: 'Room Reservation', note: 'I wan to book cabin 001 from June 15, 2024 to June 21, 2024.'}

postMessage() data
{id: 5, created_at: '2024-06-05T08:58:07.538957', messageId: '2116', fullName: 'Hsingtai Chung', email: '987654321@gmail.com', ...}

=> 可以看到已經改變

localhost:5173/contact_xx

The Wild Oasis (123456789)

Home Cabins_xx About_xx Contact_xx Login_xx

Any question? Shoot us a message

Message id: 2116

Full name
Hsingtai Chung

Email address
987654321@gmail.com

Subject
Room Reservation -- make change

Message
I wan to book catin 003 from June 15, 2024 to June 21, 2024.

Edit message

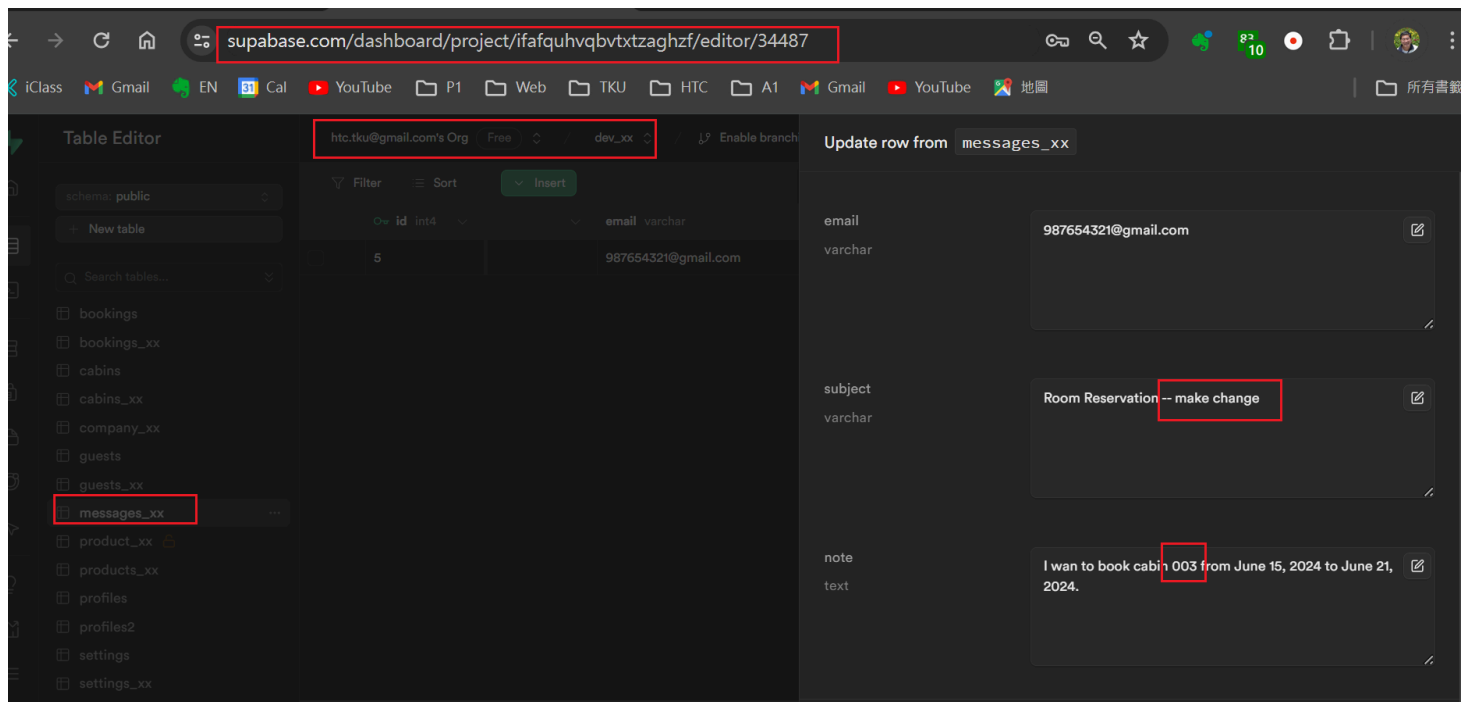
7 Issues: 1 1 1 5

postMessage() messageData
{id: 5, created_at: '2024-06-05T08:58:07.538957', messageId: '2116', fullName: 'Hsingtai Chung', email: '987654321@gmail.com', ...}

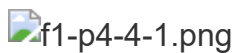
postMessage() data
{id: 5, created_at: '2024-06-05T08:58:07.538957', messageId: '2116', fullName: 'Hsingtai Chung', email: '987654321@gmail.com', ...}

update data
{id: 5, created_at: '2024-06-05T08:58:07.538957', messageId: '2116', fullName: 'Hsingtai Chung', email: '987654321@gmail.com', ...}

=> 檢查 Supabase · 也已經改變



=> 檔案目錄結構如下



Your Answer

請根據上述圖片作答

=> 新增一筆訊息，按鈕是 **Add Message**

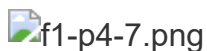


=> 新增一筆訊息回傳結果，按鈕變成 **Edit Message**

將 Room Reservation 改成 Room Reservation -- make change
cabin 001 改成 cabin 003




=> 可以看到已經改變



=> 檢查 Supabase · 也已經改變



=> 顯示 **apiMessages.jsx** code

f1-p4-9.png

=> 顯示 **Contact.jsx** 相關 code

f1-p4-10.png

=> **git log**