

w10-w12 說明

專案目標：

- 練習從前端操作資料的 CRUD 功能。
- 熟悉 Supabase 的操作，包括資料庫管理與 API 呼叫。

資料存儲：使用 **MongoDB**、**local JSON** 和 **Supabase** 作為三種資料來源。

資料傳遞：透過後端提供的 **RESTful API** 進行資料操作。

前端操作：

- 使用 `useMutation` 完成資料的新增、更新與刪除。
- 透過三個對應的路由操作不同來源的資料。
- 即時顯示操作結果。
- 透過 Supabase 提供的 API 進行資料查詢與操作，並學習其存取機制。

後端測試：可使用 **Postman** 進行 API 測試。

w13-w15 說明

專案簡介：

本專案主要實作登入 / 登出流程、JWT Token 管理、RLS 權限控制與受保護路由，並使用 Supabase 提供的功能來實現後端服務，包括身份驗證、資料存取控制與 API 管理。使用三層架構設計，將前端與後端邏輯分離。

使用技術：

- 前端：React、React Query、React Router
- 後端：Supabase（身份驗證、RLS 權限設定、API 管理）

主要功能：

1. 登入流程與 jwt token 管理

- 使用者登入後，從 Supabase 取得 jwt token，並將其儲存到 `localStorage` 中。
- 登出時，刪除 `localStorage` 中的 jwt token，並強制使用者重新登入。

2. RLS CRUD 權限設定

- 設定 `cabins_xx`、`guests_xx`、`bookings_xx` 的 RLS 權限：Read 權限開放給 `public`。
- Create、Update、Delete 權限僅限於 `authenticated` 使用者，必須登入後才能執行。

3. 登入後頁面保護與路由設定

- 登入前顯示 landing page，提供給前台使用 / 登入後進入後台，僅限有授權者使用。
- 設定 `ProtectedRoute`，只有已登入的使用者才能顯示並使用其中的功能。

4. 三層架構概述 (以登入功能為例)

- a. services/apiAuth.jsx 中的 login 函數與 Supabase 連結，取得使用者資訊。
- b. 使用 useLogin.jsx 等個人化的 hooks，利用 React Query 呼叫 apiAuth 中的邏輯函數。
- c. 前端的 LogicForm.jsx 通過 useLogin.jsx 獲取邏輯函數，以便執行登入邏輯。

w10-w12

=> 新增路由 & navbar component

The screenshot shows a code editor (VS Code) and a browser window side-by-side.

Code Editor (Left): The file `client_90.js` is open, showing route definitions for `HomeLayout_90.jsx`:

```
const router = createBrowserRouter([
  {
    path: '/',
    element: <HomePage_xx/>,
    children: [
      {
        index: true,
        element: <HomeLayout_90/>
      },
      {
        path: 'midBlog_xx',
        element: <Mid1SupaBlog_xx>
      },
      {
        path: 'mid2Blog_xx',
        element: <Mid2NodeBlog_xx>
      },
      {
        path: 'demoGetBlog_xx',
        element: <SupaGetBlog_xx/>
      }
    ]
  }
]);
```

Browser Preview (Right): The URL is `localhost:5173/midBlog_xx`. The page displays "HomeLayout" and "Mid1: Get Blogs Using React Query". It shows two blog posts: "Sun Rise From The Mountain" and "Serene Lake With Trees".

The screenshot shows a code editor (VS Code) and a browser window side-by-side.

Code Editor (Left): The file `Navbar_90.jsx` is open, showing the navigation bar structure:

```
<ul className='main-menu'>
  <li className='menu-item'>
    <a href="#">Blogs</a>
  </li>
  <li className='menu-item dropdown'>
    <a href="#">Travel</a>
    <div className='sub-menu-wrapper slideInUp'>
      <ul className='sub-menu'>
        <li><a href="/demoGetBlog_xx">demo: SupaGetBlog</a></li>
        <li><a href="/midBlog_xx">mid1: SupaBlog</a></li>
        <li><a href="/mid2Blog_xx">mid2: NodeBlog</a></li>
        <li><a href="#">Service 4</a></li>
      </ul>
    </div>
  </li>
  <li className='menu-item mega-menu'>
```

Browser Preview (Right): The URL is `localhost:5173/demoGetBlog_xx`. The page displays a logo and a navigation bar with "HOME", "BLOGS +", "MEGA MENU +", "BLOG", and "CONTACT". A dropdown menu is open under "BLOGS +", showing items: "demo: SupaGetBlog", "mid1: SupaBlog", and "mid2: NodeBlog". Below the menu, there are three cards: "Seven Reasons Why Coffee Is Awesome", "Travel To Paris", and "Coffee Brings Friendship".

```

App.xxjsx
client_90 > src > App_xxjsx > router > children > path
12 const queryClient = new QueryClient({
18 });
19
20 const router = createBrowserRouter([
21   {
22     path: '/',
23     element: <HomeLayout_90/>,
24     children: [
25       {
26         index: true,
27         element: <HomePage_xx/>
28       },
29       {
30         path: 'midBlog_xx',
31       }
32     ]
33   }
34 ]);
35
36 export default router;

HomeLayout_90.jsx
client_90 > src > pages > HomeLayout_90.jsx > HomeLayout_90
1 import { Outlet } from 'react-router-dom';
2 import Navbar_90 from '../components/Navbar_90';
3 const HomeLayout_90 = () => {
4   return (
5     <>
6       <Navbar_90/>
7       <Outlet/>
8     </>
9   )
10 }
11
12 export default HomeLayout_90;

Navbar_90.jsx
client_90 > src > components > Navbar_90.jsx > Navbar_90
1 import Wrapper from '../assets/wrappers/Navbar_90';
2 import { Link } from 'react-router-dom';
3
4 const Navbar_90 = () => {
5   return (
6     <Wrapper> ...
7     </Wrapper>
8   )
9 }
10
11 export default Navbar_90;

Navbar_90.css
client_90 > assets > wrappers > Navbar_90.css > ...
1 import styled from 'styled-components';
2
3 const Wrapper = styled.div`
4   header {
5     font-family: Arial, Helvetica, sans-serif;
6     border-bottom: 3px solid #eddede;
7     background-color: #ffffff;
8     min-height: 68px;
9     display: flex;
10   }
11
12 .hidden {
13   display: none;
14 }
```

```

=> 使用 Mongodb & 後端設定

```

server_xxjs
1 const dotenv = require('dotenv');
2 const mongoose = require('mongoose');
3
4 dotenv.config();
5 // console.log(process.env);
6
7
8 mongoose.connect(process.env.
9 DATABASE_LOCAL)
10 .then(() => console.log('MongoDB
11 Server connected'))
12 .catch(err => console.log('Error on
13 connecting the MongoDB server',
14 err));
15
16 const app = require('./app');
17
18 const port = process.env.PORT;
19 app.listen(port, () => {
20 console.log(`App running on port $` +
21 ` ${process.env.PORT}`);
22 });

client_90
1 const client = require('mongodb').Client;
2 const MongoClient = client.MongoClient;
3
4 const url = "mongodb://127.0.0.1:27017";
5
6 MongoClient.connect(url, { useNewUrlParser: true })
7 .then((client) => {
8 console.log("MongoDB Connected");
9 })
10 .catch((err) => {
11 console.log("Error connecting to MongoDB");
12 });

blogs.js
10 router.get('/', async(req, res) => {
11 const blogs = await Blog.find(); // 從 MongoDB 取得資料
12 res.json(blogs);
13 } catch (error) {
14 res.status(500).json({ message: error.message });
15 }
16
17 // 新增一篇 blog
18 router.post('/', async(req, res) => {
19 const { title, desc, img, remote_img, category } = req.body;
20 const newBlog = new Blog({ title, desc, img, remote_img, category });
21 try {
22 await newBlog.save(); // 儲存到 MongoDB
23 res.status(201).json(newBlog);
24 } catch (error) {
25 console.error('Error creating blog:', error); // 在伺服器端打印錯誤訊息
26 res.status(400).json({ message: error.message });
27 }
28 });

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
sheng@LAPTOP-NJ3CRK40 MINGW64 ~/1112-wp2-2N_90 (main)
$ cd demo/w12_mongo_90/server_90/
$ node server_xx.js
App running on port 5000
MongoDB Connected
MongoDB Server connected
$ node server_xx.js
App running on port 5000
MongoDB Connected
MongoDB Server connected

```

=> 前端畫面

The screenshot shows a web application running at `localhost:5173/mid2logLocal_xx`. The main content area displays a grid of blog posts. One post titled "Mid2: Get Blogs Using React" is highlighted. A context menu is open over this post, showing options like "demo: SupageBlog", "mid1: SupaBlog", and "mid2: NodeBlogMongo". The DevTools panel on the right is expanded, showing the "Console" tab with several log entries related to the application's state and development tools.

```
chunk-TXPJ5T7.js?v=2c4e99fa:9
Download the React DevTools for a better development
experience: https://reactjs.org/link/react-devtools
blog data undefined
blog data undefined
blog data undefined
blog data
▶ (9) [{}]
blog data
▶ (9) [{}]
```

=> 新增一筆資料 & code

The screenshot shows a web application interface for managing blog posts. At the top, there's a navigation bar with icons for back, forward, search, and refresh, followed by the URL 'localhost:5173/mid2logLocal\_xx'. On the right side, the Chrome DevTools are open, specifically the Console tab, which displays several log entries related to the blog posts.

**Blog Posts List:**

- LIFESTYLE** ☕ Coffee Make You Feel Good   
Read More Edit Del
- LIFESTYLE** ☕ Coffee Make You Calm   
Read More Edit Del
- TRAVEL** 🌌 Rocks Of Queen Head In Yehliu, Taiwan   
Read More Edit Del
- LIFESTYLE** ☕ Coffee Brings Friendship   
Read More Edit Del

**Selected Post Preview:**

**LIFESTYLE** ☕ 林泓君 207410290  
Read More Edit Del

**Bottom Navigation:**

Add Blog Clear All Load All

**DevTools Console Log:**

```
① DevTools is now available in Chinese!
Always match Chrome's language
Switch DevTools to Chinese
Don't show again

[...] Elements Console Sources ...
Default levels ...

No Issues
Hide network Log XMLHttpRequests
Preserve log Eager evaluation
Selected context only Autocomplete from history
Group similar messages in Treat code evaluation as user
console action
Show CORS errors in console

Sending data: [Mid2NodeBlogLocal_xx.jsx:33]
 {img: '/images/my-1.jpg', remote_img: '', category: 'Lifestyle', title: '林泓君 207410290', desc: 'Mid Exam -- React' }

blog data [Mid2NodeBlogLocal_xx.jsx:27]
 ▶ (8) [{} , {} , {} , {} , {} , {} , {} , {}]

blog data [Mid2NodeBlogLocal_xx.jsx:27]
 ▶ (8) [{} , {} , {} , {} , {} , {} , {} , {}]

axios new data [Mid2NodeBlogLocal_xx.jsx:42]
 {img: '/images/my-1.jpg', remote_img: '', category: 'Lifestyle', title: '林泓君 207410290', desc: 'Mid Exam -- React' , ...}

blog data [Mid2NodeBlogLocal_xx.jsx:27]
 ▶ (8) [{} , {} , {} , {} , {} , {} , {} , {}]

blog data [Mid2NodeBlogLocal_xx.jsx:27]
 ▶ (8) [{} , {} , {} , {} , {} , {} , {} , {}]

blog data [Mid2NodeBlogLocal_xx.jsx:27]
 ▶ (9) [{} , {} , {} , {} , {} , {} , {} , {} , {}]

blog data [Mid2NodeBlogLocal_xx.jsx:27]
 ▶ (9) [{} , {} , {} , {} , {} , {} , {} , {} , {}]
```

```

13 const Mid2NodeBlogLocal_xx = () => {
29 // Create
30 const [mutate: addBlog] = useMutation({
31 mutationFn: async ({ img, remote_img, category, title, desc }) => {
32 try {
33 console.log('Sending data:', { img, remote_img, category, title, desc })
34 const { data } = await axios.post('http://localhost:5000/api/blogs',
35 {
36 img,
37 remote_img,
38 category,
39 title,
40 desc
41 }
42)
43 console.log('axios new data', data)
44 } catch (error) {
45 console.log(error)
46 }
47 },
48 onSuccess: () => {
49 queryClient.invalidateQueries({
50 queryKey: ['blogs_xx']
51 })
52 }
53 })

```

```

13 const Mid2NodeBlogLocal_xx = () => {
14 const [data, mapBlog] = useState([])
15 const [blogsFooter, setBlogsFooter] = useState('')
16 const [blogsFooterBtns, setBlogsFooterBtns] = useState('')
17
18 const [blogs, setBlogs] = useState([
19 {
20 id: 1,
21 title: 'Mid Exam -- React',
22 desc: 'Mid Exam -- React',
23 category: 'lifestyle',
24 img: '/images/my-1.jpg',
25 remote_img: ''
26 }
27])
28
29 const [blog, setBlog] = useState({
30 img: "/images/my-1.jpg",
31 remote_img: "",
32 category: "lifestyle",
33 title: "林泓君 207410299",
34 desc: "Mid Exam -- React"
35 })
36
37 const [blogsFooter, setBlogsFooter] = useState([
38 {
39 id: 1,
40 title: 'Mid Exam -- React',
41 desc: 'Mid Exam -- React',
42 category: 'lifestyle',
43 img: '/images/my-1.jpg',
44 remote_img: ''
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66 remote_img: ''
67 }
68])
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70 const [blog, setBlog] = useState({
71 img: "/images/my-1.jpg",
72 remote_img: "",
73 category: "lifestyle",
74 title: "林泓君 207410299",
75 desc: "Mid Exam -- React"
76 })
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78 const [blogsFooter, setBlogsFooter] = useState([
79 {
80 id: 1,
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82 desc: 'Mid Exam -- React',
83 category: 'lifestyle',
84 img: '/images/my-1.jpg',
85 remote_img: ''
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93 desc: 'Mid Exam -- React',
94 category: 'lifestyle',
95 img: '/images/my-1.jpg',
96 remote_img: ''
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106 img: '/images/my-1.jpg',
107 remote_img: ''
108 }
109])
110
111 const [blog, setBlog] = useState({
112 img: "/images/my-1.jpg",
113 remote_img: "",
114 category: "lifestyle",
115 title: "林泓君 207410299",
116 desc: "Mid Exam -- React"
117 })
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126 remote_img: ''
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997 img: '/images/my-1.jpg',
998 remote_img: ''
999 }
1000]
1001])
1002
```

=> 使用Supabase

```

1 import { useState, useEffect } from 'react';
2 import { ToastContainer, toast } from 'react-toastify';
3 import { supabase } from './db/clientsupabase';
4 import { useQuery, useMutation, useQueryClient } from '@tanstack/react-query';
5
6 import Wrapper from '../../../../../assets/wrappers/blogPage_xx';
7 import BlogForm from './BlogForm'; // 引入表單組件
8
9 import { LiaMugHotSolid, LiaTheRedYeti } from 'react-icons/lia';
10 import { CiGlobe } from 'react-icons/ci';
11
12 const Mid1SupaBlog_xx = () => {
13 const [name, setName] = useState('林泓君');
14 const [id, setId] = useState(207410299);
15 const [selectedBlog, setSelectedBlog] = useState(null);
16 const queryClient = useQueryClient();
17
18 // Read
19 const [data, isLoading, isError, error] = useQuery([
20 { queryKey: ['blogs_xx'], queryFn: async () => {
21 const { data } = await supabase.from('mid2_blog_90').select('*');
22 return data;
23 } }
24]);
25
26 if (isLoading) {
27 return

loading...

;
28 }
29
30 if (error) {
31 return

Error fetching data: {error.message}

;
32 }
33
34 return (
35 <div>
36 <h1>Mid1: Get Blogs Using React Query</h1>
37 <p>{name}, {id}</p>
38 <table>
39 <thead>
40 <tr>
41 <th>Category</th>
42 <th>Title</th>
43 <th>Author</th>
44 <th>Content</th>
45 </tr>
46 </thead>
47 <tbody>
48 {data.map(blog => (
49 <tr key={blog.id}>
50 <td>{blog.category}</td>
51 <td>{blog.title}</td>
52 <td>{blog.author}</td>
53 <td>{blog.content}</td>
54 </tr>
55))}
56 </tbody>
57 </table>
58 <button onClick={() => setSelectedBlog(data[0])}>Read More</button>
59 </div>
60);
61 }
62
63 export default Mid1SupaBlog_xx;

```

=> 新增一筆資料 & code

localhost:5173/midBlog\_xx

The screenshot shows a web application for managing blogs. On the left, there's a sidebar with categories like LIFESTYLE, TRAVEL, and COFFEE. The main area displays a grid of blog posts. One post in the COFFEE category is highlighted with a red box and has a green toast notification overlay saying "blog added, will refresh". Below the grid are three buttons: "Add Blog" (blue), "Clear All" (pink), and "Load All" (light blue). To the right is a DevTools panel with the "Console" tab open, showing several log entries related to the "blogs" array. A red box highlights the first entry: "blogs [6] [{} , {} , {} , {} , {} , {} ]". Another red box highlights the last entry: "blogs [7] [{} , {} , {} , {} , {} , {} , {} ]". The DevTools sidebar also includes options for network monitoring, log preservation, and code autocomplete.

File Edit Selection View Go Run Terminal Help ↵ → 1112-wp2-2N.90

This screenshot shows a code editor with two tabs: "Mid1SupaBlog\_xx.jsx" and "Mid1SupaBlog\_xx.js". The "Mid1SupaBlog\_xx.jsx" file contains JSX code for a blog list component. It includes a mutation hook for adding a new blog post. The "Mid1SupaBlog\_xx.js" file contains the corresponding JavaScript logic, including the mutation function and a success toast message. Red boxes highlight the mutation hook in the JSX and the mutation function in the JS file. The code editor interface includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and PORTS. The bottom status bar shows the current line (Ln 205, Col 9) and encoding (UTF-8).

Table Editor

This screenshot shows a PostgreSQL Table Editor for the "public" schema. The "blogs" table is displayed with columns: id, title, descrip, category, img, and remote\_url. The table contains 10 rows of data. Row 10, which corresponds to the blog post highlighted in the previous screenshots, is selected and has a red box around it. The table editor includes a toolbar with buttons for Filter, Sort, Insert, RLS disabled, role postgres, Realtime off, and API Docs. The bottom status bar shows the connection details: "Sky001's Org Free / tku\_207410290".

w13-w15

=> 未登入前端畫面 /landing

The screenshot shows a web browser window for 'Project Demo: The Wild Oasis' at 'localhost:5173/landing'. The page features a header with the logo 'The Wild Oasis (207410290)' and navigation links for 'Cabins', 'About', 'Contact us', and 'Login'. A red box highlights the 'Login' button. Below the header is a section titled 'Our Luxury Cabins' with a descriptive paragraph. A grid of six cabin listings is displayed, each with a thumbnail image, cabin name, guest capacity, price per night, and a 'Details & reservation →' link. The first two rows contain three cabins each, and the third row contains two cabins. A red box highlights the entire grid area.

| Cabin     | Capacity           | Price / night | Action                  |
|-----------|--------------------|---------------|-------------------------|
| Cabin 001 | For up to 2 guests | \$250 / night | Details & reservation → |
| Cabin 002 | For up to 2 guests | \$350 / night | Details & reservation → |
| Cabin 003 | For up to 4 guests | \$300 / night | Details & reservation → |
| Cabin 004 | For up to 4 guests | \$500 / night | Details & reservation → |
| Cabin 005 | For up to 6 guests | \$350 / night | Details & reservation → |
| Cabin 006 | For up to 6 guests | \$800 / night | Details & reservation → |

=> 登入表單 & 登入後畫面

The screenshot shows a web browser window for 'Project Demo: The Wild Oasis' at 'localhost:5173/login'. The page features a logo 'THE WILD OASIS' and a 'Login to your account' button. Below the button is a form with fields for 'Email address' (containing '207410290@gmail.com') and 'Password' (containing '\*\*\*\*\*'). A red box highlights the entire form area. To the right of the form, the Chrome DevTools console tab is open, showing various log and filter options. A red box highlights the 'Console' tab. At the bottom of the browser window, there are tabs for 'Console', 'What's new', and 'AI assistance'.

Project Demo: The Wild Oasis

localhost:5173/dashboard

```

log in form 207410290@gmail.com LoginForm.jsx:16
login email password 207410290@gmail.com 207410290 apiAuth.js:4
login data
 ▶ {user: {}, session: {}}
useLogin user
 ▶ {id: "9e30df4d-6968-46cf-a745-810d8719319b", au
 d: "authenticated", role: "authenticated", emai
 l: "207410290@gmail.com", email_confirmed_at: '2
 024-06-04T14:59:57.4716572', ...}
useLogin.jsx:12

```

Project Demo: The Wild Oasis

localhost:5173/dashboard

| Key                  | Value             |
|----------------------|-------------------|
| Manifest             | false             |
| Service workers      | right             |
| Storage              | light             |
| Local storage        | 496.8000183105469 |
| Session storage      | false             |
| Extension storage    |                   |
| IndexedDB            |                   |
| Cookies              |                   |
| Private state tokens |                   |
| Interest groups      |                   |
| Shared storage       |                   |
| Cache storage        |                   |
| Storage buckets      |                   |

```

access_token: "eyJhbGciOiJIUzI1NiIsImtpZCI6I
refresh_token: "hzuzWChBGHjgmtrR7ShgA"
 ▶ {user: {id: "9e30df4d-6968-46cf-a745-810d8719
 d: "authenticated", role: "authenticated", emai
 l: "207410290@gmail.com", email_confirmed_at: '2
 024-06-04T14:59:57.4716572", ...}}
 ▶ {token_type: "bearer", ...}
 ▶ {user: {id: "9e30df4d-6968-46cf-a745-810d8719319b", au
 d: "authenticated", role: "authenticated", emai
 l: "207410290@gmail.com", email_confirmed_at: '2
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 d: "authenticated", role: "authenticated", emai
 l: "207410290@gmail.com", email_confirmed_at: '2
 024-06-04T14:59:57.4716572", ...}
 ▶ {identities: [{identity_id: "1d36c3ff-149d-4
 4a-8f33-1a2a2333a233", ...}], ...}
 ▶ {is_anonymous: false}

```

Project Demo: The Wild Oasis | Auth | Supabase | JSON Web Tokens - jwt.io

=> login的三層結構

File Edit Selection View Go Run Terminal Help

useLogin.jsx

```

1 import { useMutation, useQueryClient } from '@tanstack/react-query';
2 import { login as loginApi } from '../services/apiAuth';
3 import { useNavigate } from 'react-router-dom';
4 import { toast } from 'react-hot-toast';
5
6 export const useLogin = () => {
7 const navigate = useNavigate();
8 const queryClient = useQueryClient();
9
10 const [login, isLoading] = useMutation({
11 mutationFn: (email, password) => loginApi({ email, password }),
12 onSuccess: (data) => {
13 console.log('useLogin user', data.user);
14 queryClient.setQueryData(['user_x'], data.user);
15 navigate('/dashboard', { replace: true });
16 },
17 onError: (err) => {
18 console.log('Error', err);
19 toast.error('Provide email or password are incorrect');
20 },
21 });
22
23 return { login, isLoading };
24}

```

LoginForm.jsx

```

1 <Form onSubmit={handleSubmit}>
2 <FormRowVertical label="Email address">
3 <Input type="text" name="email" value={email} onChange={(e) => setEmail(e.target.value)} />
4 </FormRowVertical>
5 <FormRowVertical label="Password">
6 <Input type="password" name="password" value={password} onChange={(e) => setPassword(e.target.value)} />
7 </FormRowVertical>
8 <Button type="submit" value="Log in" />
9 </Form>

```

apiAuth.js

```

1 export const login = async ({ email, password }) => {
2 console.log(`Login ${email} ${password}`);
3 let { data, error } = await supabase.auth.signInWithPassword({
4 email,
5 password,
6 });
7 if (error) throw new Error(error.message);
8
9 console.log('login data', data);
10 return data;
11}

```

保護路由 & 三層結構

```

JS apiAuth.js M ✘ user.jsx ProtectedRoute.jsx
demo > w15_wildOasis_90 > src > services > JS apiAuth.js > [o] getCurrentUser
 3 export const login = async({ email, password }) => {
 4 console.log(`login ${email}, ${password}`);
 5 return data;
 6 };
 7 }
 8
 9 export const getCurrentUser = async() => {
 10 const { data: session } = await supabase.auth.getSession();
 11 if (!session.session) return null;
 12 console.log('session data', session);
 13
 14 const { data, error } = await supabase.auth.getUser();
 15 console.log('getCurrentUser data', data);
 16 if (error) throw new Error(error.message);
 17
 18 return data.user;
 19 };
 20
 21
 22
 23
 24
 25

useUser.jsx ✘
demo > w15_wildOasis_90 > src > features > authentication > useUser.jsx > [o] useUser
 1 import { useQuery } from '@tanstack/react-query';
 2 import { getCurrentUser } from '../../../../../services/apiAuth';
 3
 4 export const useUser = () => [
 5 const { data: user, isLoading } = useQuery(
 6 { queryKey: ['user'], queryFn: getCurrentUser },
 7);
 8 const isAuthenticated = user?.role === 'authenticated';
 9 return [user, isLoading, isAuthenticated];
 10];
 11

App_xxjsx M ✘ ProtectedRoute.jsx
demo > w15_wildOasis_90 > src > @ App_xxjsx > [o] router
 32 const router = createBrowserRouter([
 33 // 登入後能看到的頁面
 34 {
 35 path: '/',
 36 element: (
 37 <ProtectedRoute>
 38 { ' '}
 39 <AppLayout />
 40 </ProtectedRoute>
 41),
 42 children: [...],
 43 },
 44 },
 45],
 46);
 47

ProtectedRoute.jsx ✘
demo > w15_wildOasis_90 > src > ui > ProtectedRoute.jsx > ...
 14
 15 const ProtectedRoute = ({ children }) => {
 16 const navigate = useNavigate();
 17 // 1. load the authenticated user
 18 const { isLoading, isAuthenticated } = useUser();
 19
 20 // 2. If there is no authenticated user, redirect to landing page
 21 useEffect(() => {
 22 if (!isAuthenticated && !isLoading) navigate('/landing');
 23 }, [isAuthenticated, isLoading, navigate]);
 24 // 3. while loading, show a spinner
 25 if (isLoading) {
 26 return (
 27 <Fullpage>
 28 <Spinner />
 29 </Fullpage>
 30);
 31 }
 32 // 4. If there is a user, render the app
 33 if (isAuthenticated) return children;
 34 }

Sky001 (8 months ago) Ln 11, Col 2 Spaces: 4 UTF-8 CRLF {} JavaScript JSX ⚡ Go Live ⚡ Go Live

```

## Supabase table RLS 設定

| cabins_90 |                                                                    | <button>Disable RLS</button> | <button>Create policy</button> |
|-----------|--------------------------------------------------------------------|------------------------------|--------------------------------|
| DELETE    | Allow public DELETE access for all users<br>Applied to:public role | <button>⋮</button>           |                                |
| INSERT    | Allow public INSERT access for all users<br>Applied to:public role | <button>⋮</button>           |                                |
| SELECT    | Allow public SELECT access for all users<br>Applied to:public role | <button>⋮</button>           |                                |
| UPDATE    | Allow public UPDATE access for all users<br>Applied to:public role | <button>⋮</button>           |                                |

table資料傳遞與管理透過三層結構

File Edit Selection View Go Run Terminal Help

1112-wp2-2N.90

JS apiCabins.js X JS useCabins.js M CabinTable.jsx M

```

1 import supabase, { supabaseUrl } from './supabase';
2
3 export async function getCabins() {
4 const { data: cabins, error } = await supabase.from('cabins_90').select('*');
5
6 if (error) {
7 console.error(error);
8 throw new Error('Cabins could not be loaded');
9 }
10
11 console.log('getCabins()', cabins);
12
13 return cabins;
14 }
```

  

JS useCabins.js M

```

1 import { useQuery } from '@tanstack/react-query';
2 import { getCabins } from '../../../../../services/apiCabins';
3
4 export const useCabins = () => {
5 const { data, error, isLoading } = useQuery({
6 queryKey: ['cabins_90'],
7 queryFn: getCabins
8 });
9
10 return { data, error, isLoading };
11 }
```

CabinTable.jsx M

```

15 const TableHeader = styled.header`
16 color: var(--color-grey-600);
17 padding: 1.6rem 2.4rem;
18 `;
19
20 function CabinTable() {
21 const [data, isLoading] = useCabins();
22
23 if(isLoading) return <Spinner/>;
24 console.log('cabins data', data);
25 return (
26 <Table role='table'>
27 <TableHeader role='row'>
28 <div></div>
29 <div>Cabin</div>
30 <div>Capacity</div>
31 <div>Price</div>
32 <div>Discount</div>
33 <div></div>
34 </TableHeader>
35 <!-- > *)
36 {data.map((cabin) => (
37 <div role='row' key={cabin.id}>
38
39 </div>
40)));
41 </Table>
42 /* <CreateCabinForm /> */
43);
44 }
45
46 export default CabinTable;
47
```

Sky001 (8 months ago) Ln 5, Col 1 Spaces: 4 UTF-8 LF {} JavaScript ⚡ Go Live ⚡ Go Live

Project Demo: The Wild Oasis X Auth | Supabase

localhost:5173/cabins

THE WILD OASIS

Home Bookings Cabins Users Settings

SAMPLE DATA

Upload ALL Upload bookings ONLY

All cabins

CABIN CAPACITY PRICE DISCOUNT



Filter / Sort

DevTools is now available in Chinese!

Always match Chrome's language Switch DevTools to Chinese Don't show again

Console Sources Network

cabins data

```

(8) [Object, Object, Object, Object, Object, Object, Object, Object]
0: {id: 73, created_at: '2025-02-07T11:16:05.112945', name: '001'}
1: {id: 74, created_at: '2025-02-07T11:16:05.112945', name: '002'}
2: {id: 75, created_at: '2025-02-07T11:16:05.112945', name: '003'}
3: {id: 76, created_at: '2025-02-07T11:16:05.112945', name: '004'}
4: {id: 77, created_at: '2025-02-07T11:16:05.112945', name: '005'}
5: {id: 78, created_at: '2025-02-07T11:16:05.112945', name: '006'}
6: {id: 79, created_at: '2025-02-07T11:16:05.112945', name: '007'}
7: {id: 80, created_at: '2025-02-07T11:16:05.112945', name: '008'}
length: 8
[[Prototype]: Array(0)]
```

logout的三層結構

Project Demo: The Wild Oasis

localhost:5173/dashboard

Dashboard\_xx page

SAMPLE DATA

Upload ALL

Upload bookings ONLY

The Wild Oasis logo

DevTools Application tab showing storage key "access\_token" with value "eyJhb...

Project Demo: The Wild Oasis

localhost:5173/landing

The Wild Oasis (207410290)

Cabins About Contact us Login

### Our Luxury Cabins

Cozy yet luxurious cabins, located right in the heart of the Italian Dolomites. Imagine waking up to beautiful mountain views, spending your days exploring the dark forests around, or just relaxing in your private hot tub under the stars. Enjoy nature's beauty in your own little home away from home. The perfect spot for a peaceful, calm vacation. Welcome to paradise.

| Cabin     | Guest Capacity     | Price / night | Action                                      |
|-----------|--------------------|---------------|---------------------------------------------|
| Cabin 001 | For up to 2 guests | \$250 / night | <a href="#">Details &amp; reservation →</a> |
| Cabin 002 | For up to 2 guests | \$350 / night | <a href="#">Details &amp; reservation →</a> |
| Cabin 003 | For up to 4 guests | \$300 / night | <a href="#">Details &amp; reservation →</a> |
| Cabin 004 | For up to 4 guests | \$500 / night | <a href="#">Details &amp; reservation →</a> |
| Cabin 005 | For up to 6 guests | \$350 / night | <a href="#">Details &amp; reservation →</a> |
| Cabin 006 | For up to 6 guests | \$800 / night | <a href="#">Details &amp; reservation →</a> |

DevTools Application tab showing an empty storage key and value.

The screenshot shows a code editor interface with two tabs open: `apiAuth.js` and `useLogout.jsx`.

`apiAuth.js` content:

```
demo > w15_wildOasis_90 > src > services > JS apiAuth.js ...
1 import supabase, { supabaseUrl } from './supabase';
2
3 > export const login = async({ email, password }) => {
4 ...
5 };
6
7 > export const getCurrentUser = async() => {
8 ...
9 };
10
11 export const logout = async() => {
12 const { error } = await supabase.auth.signOut();
13 if (error) throw new Error(error.message);
14 };
15
16
17
18 }
```

`useLogout.jsx` content:

```
demo > w15_wildOasis_90 > src > features > authentication > JS useLogout.jsx ...
1 import { useMutation, useQueryClient } from '@tanstack/react-query';
2 import { logout as logoutApi } from '../../../../../services/apiAuth';
3 import { useNavigate } from 'react-router-dom';
4
5 export const useLogout = () => {
6 const navigate = useNavigate();
7 const queryClient = useQueryClient();
8 const { mutate: logout, isloading } = useMutation({
9 mutationFn: () => logoutApi(),
10 onSuccess: () => {
11 queryClient.removeQueries();
12 navigate('/landing', { replace: true });
13 }
14 });
15
16 return { logout, isloading };
17
18 }
```

Annotations with red boxes highlight the following code snippets:

- `apiAuth.js`: Lines 12-14, which call `supabase.auth.signOut()`.
- `useLogout.jsx`: Lines 9-13, which define the `useMutation` configuration for the `logout` function.
- `useLogout.jsx`: Lines 11-12, which use `queryClient.removeQueries()` and `navigate('/landing', { replace: true })` to handle the successful logout response.