

# (10%) Web Programming 2N 期末上機考 1 - 開放網路

2023-06-07, 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。
2. iClass 上請繳交 w17\_xx.md, w17\_xx.pdf, 還有 1112-client-supa-1234567.zip (node\_module 請移除，如有需要，移除 /public/img 下所有圖片)
3. 老師將題目提供在 w17\_xx.md 檔案上，要實作的部分放在 w17\_xx.pdf 上，請依照老師實作的圖片在你自己的 Github repo, Supabase, Vercel 上實作
4. 每一張圖片要有機房背景，要有你的學號，圖片標註要跟老師所標註的類似。違者會依情節扣分。
5. 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): (name, id)

- P1-1 (6%): 6 分
- P1-2 (6%): 6 分
- P1-3 (6%): 6 分
- P1-4 (6%): 6 分
- P1-5 (6%): 6 分
- P2-1 (10%): 10 分
- P2-2 (10%): 10 分
- P2-3 (10%): 0 分
- P2-4 (5%): 0 分
- P3-1 (10%): 0 分
- P3-2 (10%): 0 分
- P3-3 (10%): 0 分
- P3-4 (5%): 0 分
- 總分: 50 分

# (30%) P1: Show Info of Your Github Repo, Client Supa Github, Vercel as follows

## (6%) P1-1: Show Your Github Repo

### My Github Repo URL

The screenshot shows a web browser displaying the GitHub repository page for 'A-iong / 1112\_wp2\_demo\_34'. The repository is public and has 42 commits. The page includes a table of files and folders, a sidebar with repository statistics, and a bottom section with links to add a README, releases, packages, and environments.

**Repository Information:**

- Repository Name: A-iong / 1112\_wp2\_demo\_34 (Public)
- Commits: 42
- Stars: 0
- Watching: 2
- Forks: 0

**Files and Folders:**

File/Folder	Commit	Last Commit
demo	All logs of W16	last week
midexam	middle end v2	2 months ago
midproject	middle end	2 months ago
.DS_Store	week 13	last month

**Repository Actions:**

- Go to file
- Add file
- Code

**Repository Statistics:**

- 1 branch
- 0 tags

**Repository Description:**

Help people interested in this repository understand your project by adding a README.

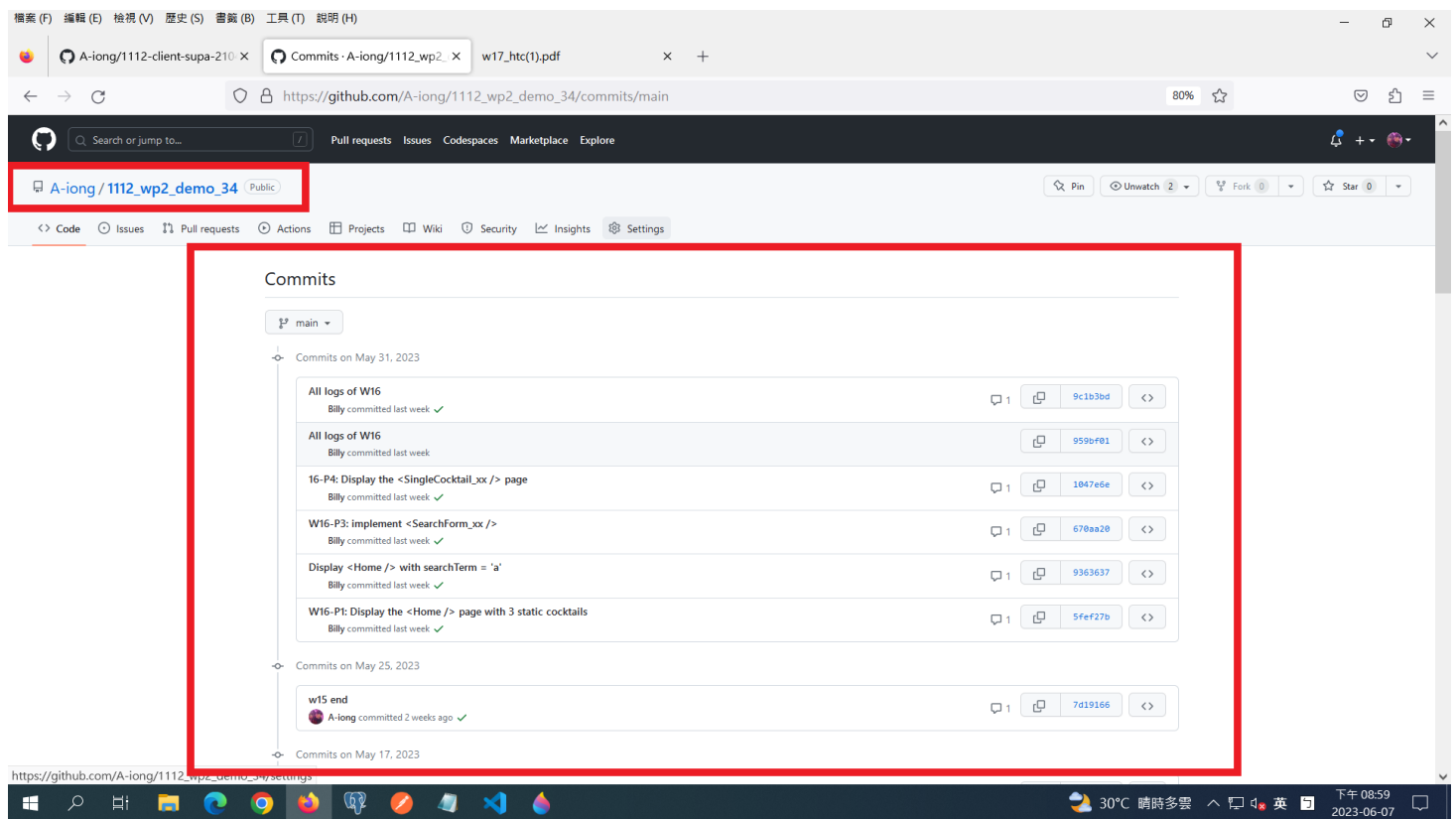
**Repository Links:**

- 1112-wp2-mid-project-34.vercel.app
- Activity
- 0 stars
- 2 watching
- 0 forks

**Repository Sections:**

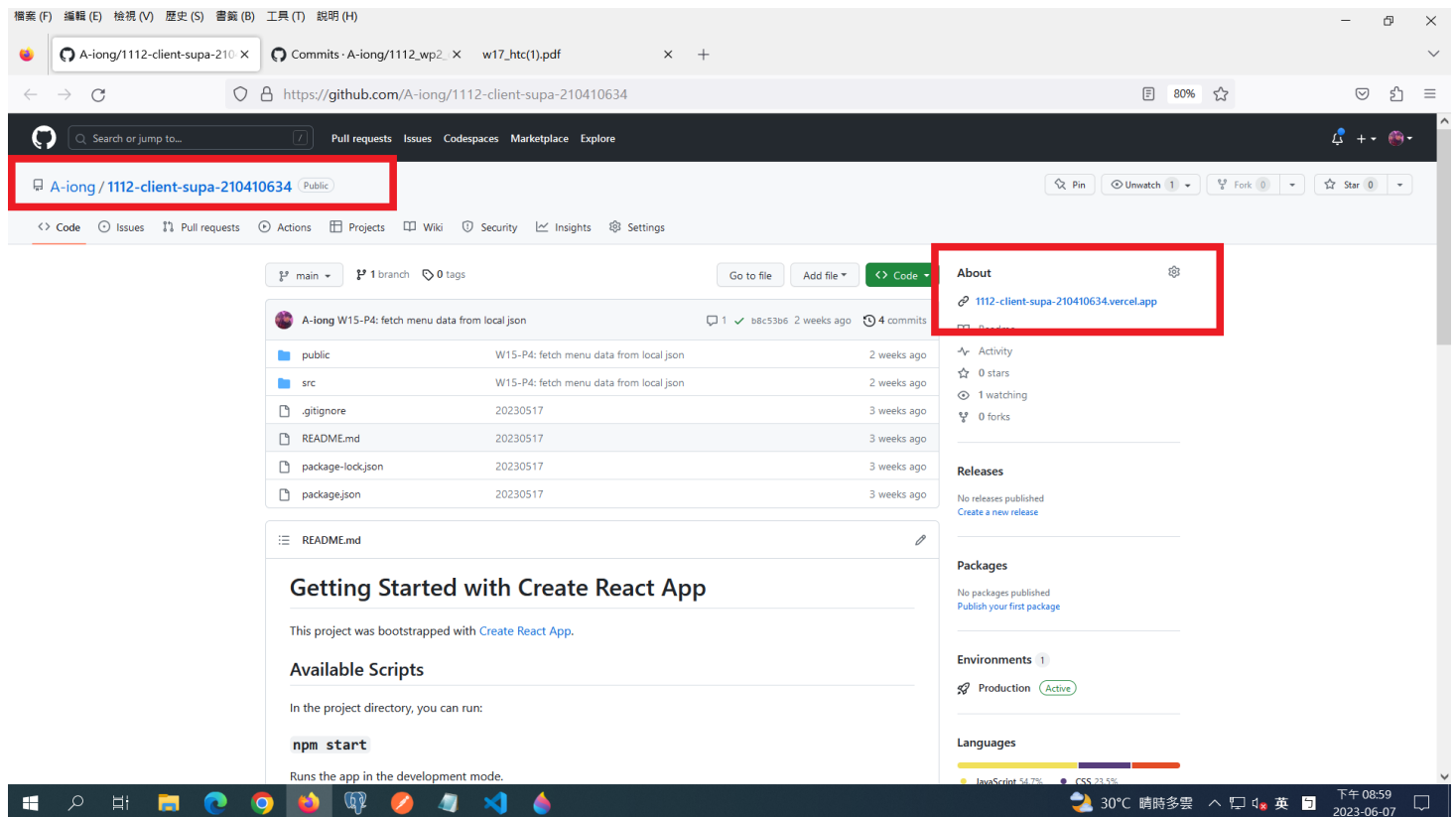
- Releases: No releases published. [Create a new release](#)
- Packages: No packages published. [Publish your first package](#)
- Environments: 1

## (6%) P1-2: Show Your Github commits for week 15 and 16



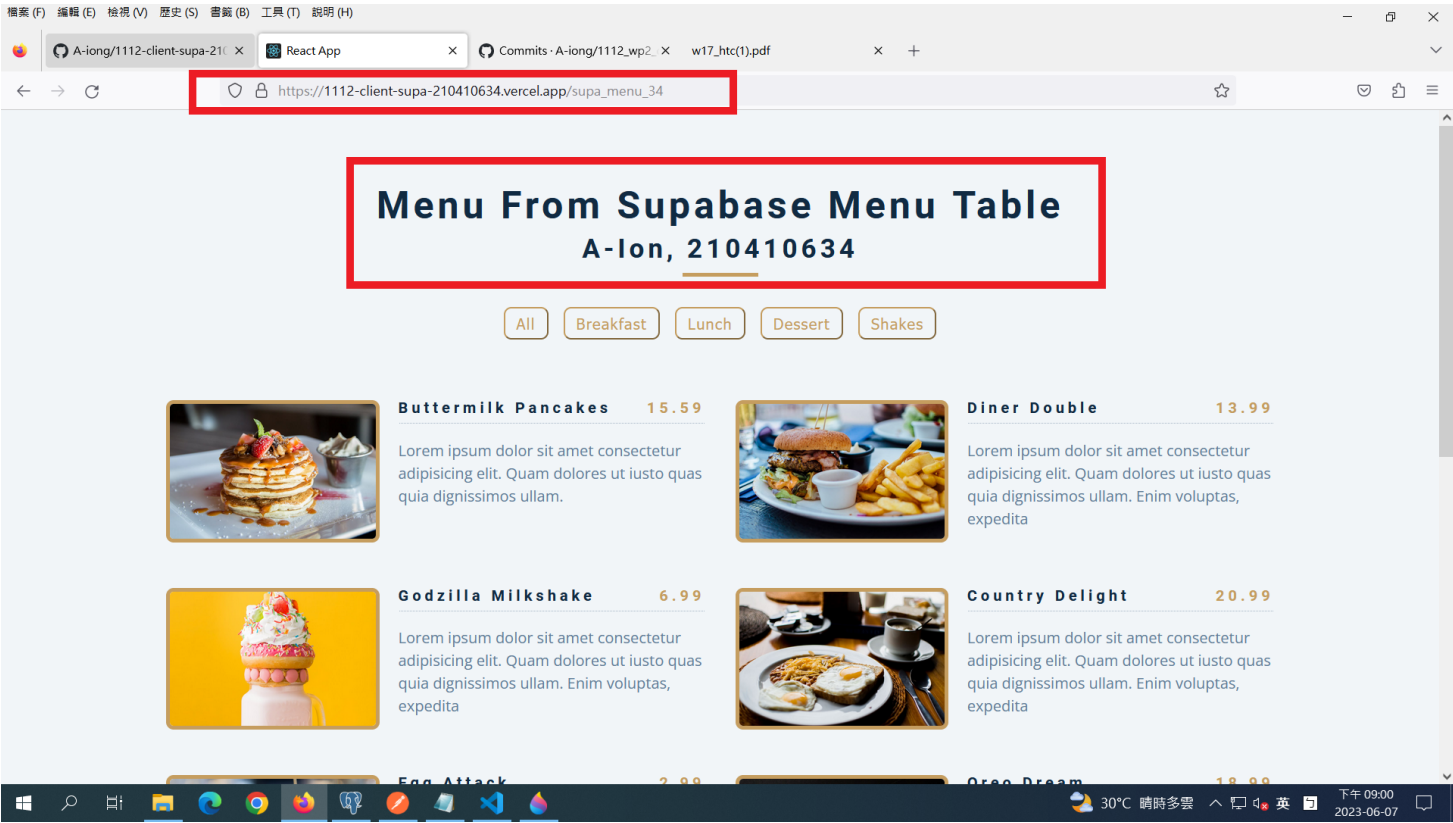
## (6%) P1-3: Show Your Github SupaDemo URL

My Github SupaDemo URL



(6%) P1-4: Show Your Vercel page for SupaDemo, with route /supa\_menu\_xx

My Vercel SupaDemo URL



(6%) P1-5: Git log for P1

b2c3dc9	210410634	Wed Jun 7 21:06:10 2023	+0800	P1-4: Show Your Vercel page for SupaDemo, with route /sup
af49865	210410634	Wed Jun 7 21:05:52 2023	+0800	https://github.com/A-iong/1112-client-supa-210410634
782d6cd	210410634	Wed Jun 7 21:05:22 2023	+0800	P1-2: Show Your Github commits for week 15 and 16
d16f95c	210410634	Wed Jun 7 21:05:08 2023	+0800	P1-1: Show Your Github Repo

檔案 (F)編輯 (E)檢視 (V)歷史 (S)書籤 (B)工具 (T)說明 (H)

Commits · A-iong/1112-wp2-demo-34

Commits · A-iong/1112\_wp2\_demo\_34

w17\_htc(1).pdf

React App

Buckets | Supabase

← → ↺https://github.com/A-iong/1112\_wp2\_demo\_34/commits/main80%☆🔖☰

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A-iong / 1112\_wp2\_demo\_34Public

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<> Code🔍 Issues1️⃣ Pull requests🔄 Actions📁 Projects📖 Wiki🔒 Security🔗 Insights⚙️ Settings

Commits

main

Commits on Jun 7, 2023

P1-4: Show Your Vercel page for SupaDemo, with route /supa\_menu\_xx  
A-iong committed 1 minute ago ✓

1📄b2c3dc9<>

https://github.com/A-iong/1112-client-supa-210410634  
A-iong committed 1 minute ago ✓

1📄af49865<>

P1-2: Show Your Github commits for week 15 and 16  
A-iong committed 2 minutes ago ✓

1📄782d6cd<>

P1-1: Show Your Github Repo  
A-iong committed 2 minutes ago ✓

1📄d16f95c<>

Commits on May 31, 2023

All logs of W16  
Billy committed last week ✓

1📄9c1b3bd<>

All logs of W16  
Billy committed last week

📄959bf01<>

16-P4: Display the <SingleCocktail\_xx /> page  
Billy committed last week ✓

1📄1047e6e<>

W16-P3: implement <SearchForm\_xx />  
Billy committed last week ✓

1📄678aa20<>

https://github.com/A-iong/1112\_wp2\_demo\_34/settings

Windows taskbar with icons for File Explorer, Edge, Chrome, Firefox, VS Code, etc.

30°C 晴時多雲 下午 09:07 2023-06-07

# (35%) P2: Supabase & Postman API testing

## (10%) P2-1: show old anon key, and new anon key

old anon key

The screenshot shows the JWT.io website in a web browser. The URL is <https://jwt.io>. The page has a dark header with the JWT logo and navigation links: Debugger, Libraries, Introduction, Ask. On the right, it says "Crafted by auth0 by Okta".

The main content area is divided into three sections:

- Header:** Contains the JWT header in JSON: 

```
{  "alg": "HS256",  "typ": "JWT"}
```
- PAYLOAD: DATA:** Contains the JWT payload in JSON: 

```
{  "iss": "supabase",  "ref": "wkuwjlgjzkovodskzcca",  "role": "anon",  "iat": 1683717049,  "exp": 1999293049}
```
- VERIFY SIGNATURE:** Shows the signature verification process. It displays the HMACSHA256 formula: 

```
HMACSHA256(  base64UrlEncode(header) + "." +  base64UrlEncode(payload),  your-256-bit-secret)
```

 Below this, there is a checkbox labeled "secret base64 encoded" which is currently unchecked.

Below the payload section, there is a red error message: **Invalid Signature**. To the right of this message is a blue button labeled "SHARE JWT".

The browser's taskbar at the bottom shows various application icons and the system clock indicating 30°C, 晴時多雲, 下午 09:08, 2023-06-07.

# new anon key by generating a new JWT secret

JWT

Debugger Libraries Introduction Ask

Crafted by auth0 by Data

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6IndrdXdpbGdgemtvdW9kZ2t6Y2NhIiwicm9sZSI6ImFub24iLCJpYXQiOiJlZDQ0MzMTcwNDksImV4cCI6MTk5OTI1MzA0OjE2LjU3FHIEMTBWIGPH-5MzA0OjE2LjU3FHIEMTBWIGPH-XjcvDA0UBzKMMt2oL37ZfJi-8

HEADER: ALGORITHM & TOKEN TYPE

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

PAYLOAD: DATA

```
{
  "iss": "supabase",
  "ref": "wkuwjlgjzkovodskzcca",
  "role": "anon",
  "iat": 1683717049,
  "exp": 1999293849
}
```

HMACHA256(
 base64UriEncode(header) + "." +
 base64UriEncode(payload),
 SP59H18U9/rmXrkImTw==
) ☐ secret base64 encoded

Signature Verified

SHARE JWT

Settings

Project Settings

General

Database

API

Auth

Storage

Vault BETA

Billing

Subscription

Usage

Invoices

tku\_210410634 / tku\_210410634

Help Feedback

JWT Settings

JWT Secret

0RALpahRYncoY4e5p/0W13u3IfL/MGw63KqZR4osI8UgyS4T6KBq8CSryNub 

Copy

Used to decode your JWTs. You can also use this to mint your own JWTs.

Generate a new JWT secret

A random secret will be created, or you can create your own.

This will invalidate all existing API keys!

Generating a new JWT secret will invalidate all of your API keys, including your `service_role` and `anon` keys, which will terminate any existing connections.

Generate a random secret

Create my own secret

API settings

Exposed schemas

public storage graphql\_public

The schemas to expose in your API. Tables, views and stored procedures in these schemas will get API endpoints. `public` and `storage` are protected by default.

## Postman, old anon key, fail to get all menu\_xx products

### Postman, new anon key, successfully get all menu\_xx products

[illegible]