(11%) JavaScript 網頁設計 -- 1N 期末上機考 1 -- 開放網路

2023-06-08, 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 final_1_xx.zip
3. 老師將題目提供在 w17_xx.md 檔案上，要實作的部分放在 w17_htc.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%): 10 分
- P2-4 (5%): 5 分
- P3-1 (10%): 10 分
- P3-2 (10%): 9 分
- P3-3 (5%): 0 分
- P3-4 (5%): 0 分
- P3-5 (5%): 5 分
- 總分: 89 分

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

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

My Github Repo URL

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

(6%) P1-3: Show Your Supabase project URL and API key

(6%) P1-4: Show Your Vercel page for the API project menu done in W16

My Vercel SupaDemo URL

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

```
57351c7 21141003901~    Thu Jun 8 19:10:42 2023 +0800    P1: Show Info of Your Github Repo, Supabase, Vercel as fo
```

(35%) P2: API fetching by Supabase and local json

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

old anon key

new anon key by generating a new JWT secret

The screenshot shows the jwt.io debugger with:

Encoded PASTE A TOKEN HERE

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.ey
Jpc3MiOiJzdXBhYmFzZSIsInJlZiI6InFtZnFsd
mtiYXNvc3ZtcWhpY3J3Iiwicm9sZSI6ImFub24i
LCJpYXQiOjE2ODYyMjM4MTAsImV4cCI6MjAwMTc
5OTgxMH0.ZxLy5jLhqcdMnJtz5HfCfOaNAEgNe-
yfpQsj1hZQmxQ

Decoded EDIT THE PAYLOAD AND SECRET

HEADER: ALGORITHM & TOKEN TYPE

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

PAYLOAD: DATA

```
{
  "iss": "supabase",
  "ref": "qmfqlvkbasosvmqhicrw",
  "role": "anon",
  "iat": 1686223810,
  "exp": 2001799810
}
```

VERIFY SIGNATURE

```
HMACSHA256(
  base64UrlEncode(header) + "." +
  base64UrlEncode(payload),
  eyJhbGciOiJIUzI1NiIsI
) □ secret base64 encoded
```

✓ Signature Verified

SHARE JWT

The second screenshot shows the Supabase API Settings page at supabase.com/dashboard/project/qmfqlvkbasosvmqhicrw/settings/api

211410039@o365.tku.edu.tw's Org / tku_211410039

Settings — Project Settings, General, Database, **API**, Auth, Storage, Vault BETA, Billing, Subscription, Usage, Invoices

Your API is secured behind an API gateway which requires an API Key for every request. You can use the keys below to use Supabase client libraries.

anon public — eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSI... Copy

This key is safe to use in a browser if you have enabled Row Level Security for your tables and configured policies.

service_role secret — eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSI... Copy

This key has the ability to bypass Row Level Security. Never share it publicly.

JWT Settings

JWT Secret — **** **** **** **** — Reveal

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.

Generate a new secret ⌄
- ↻ Generate a random secret
- ✎ Create my own secret

⚠ This will invalidate all existing API keys!
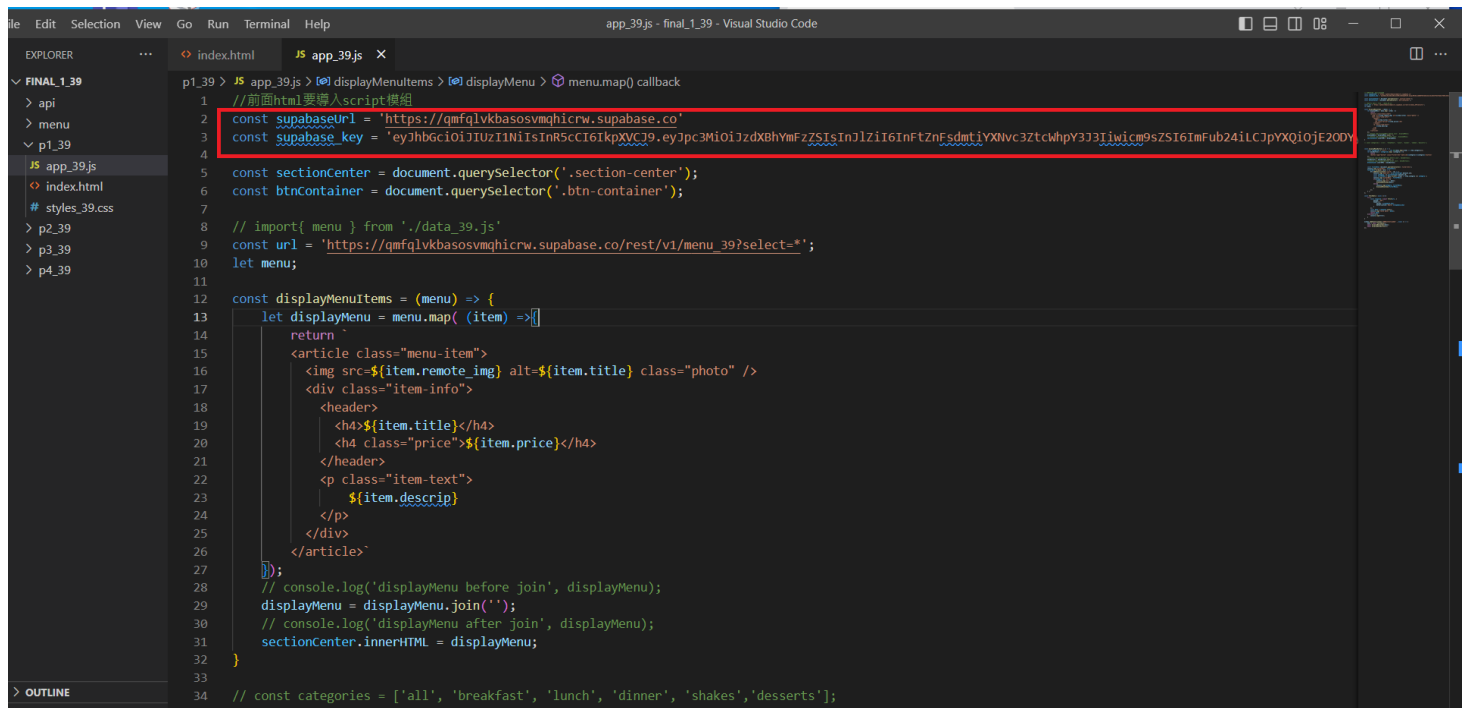Generating a new JWT secret will invalidate all of your API keys, including your service_role and during this process, which will terminate any existing connections.

(10%) P2-2: Do P1_xx to show all menu_xx data from Supabase using new anon key

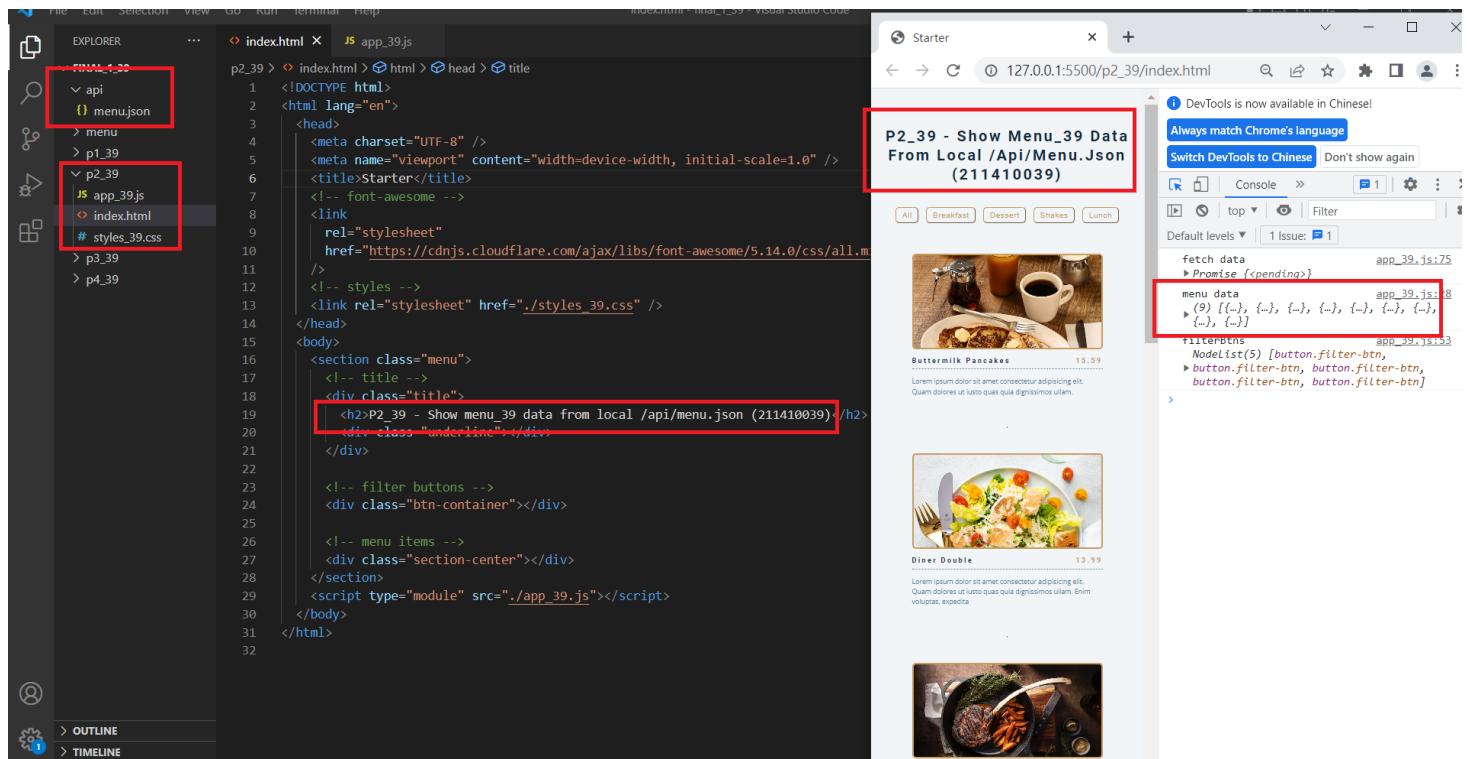**show index.html and all menu_xx data fetching from Supabse**
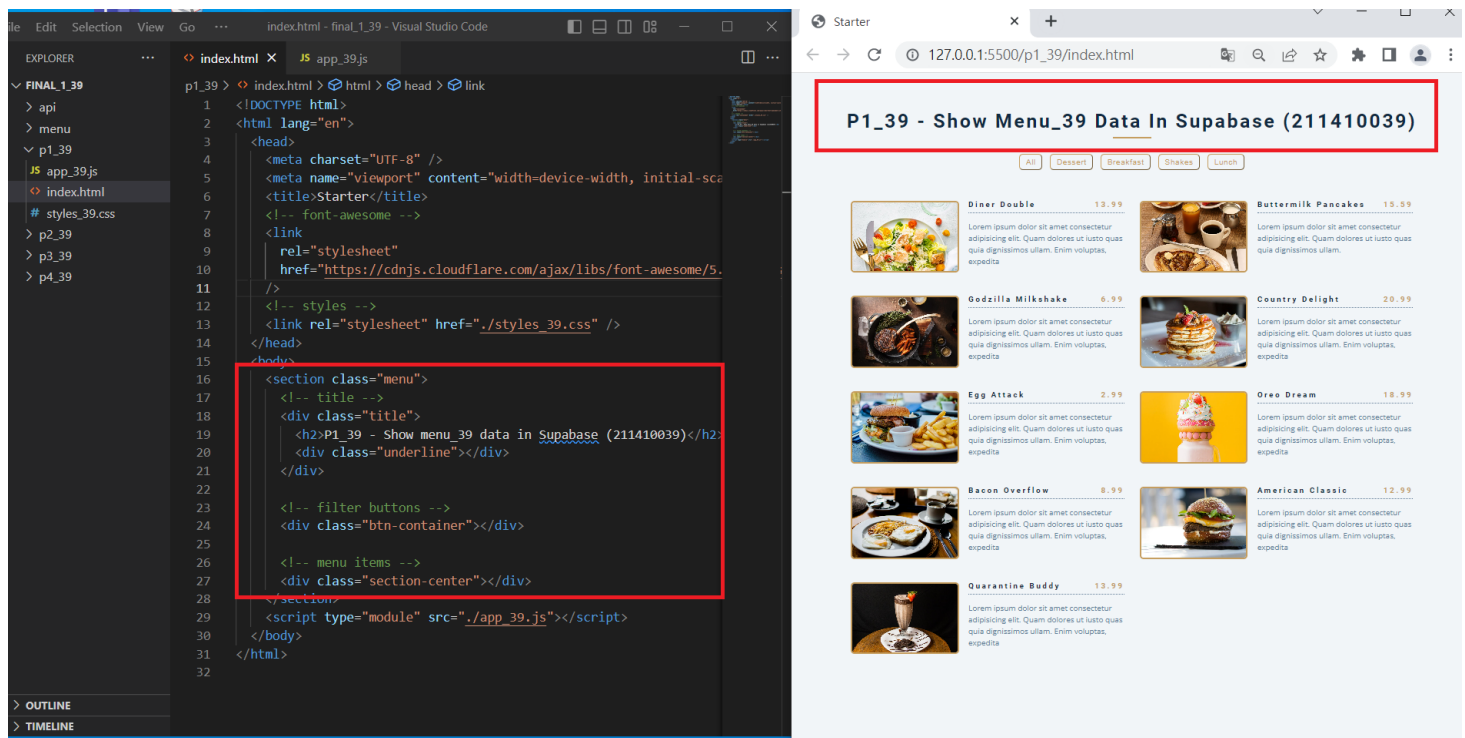
show the change in app_xx.js code to get menu_xx from Supabase
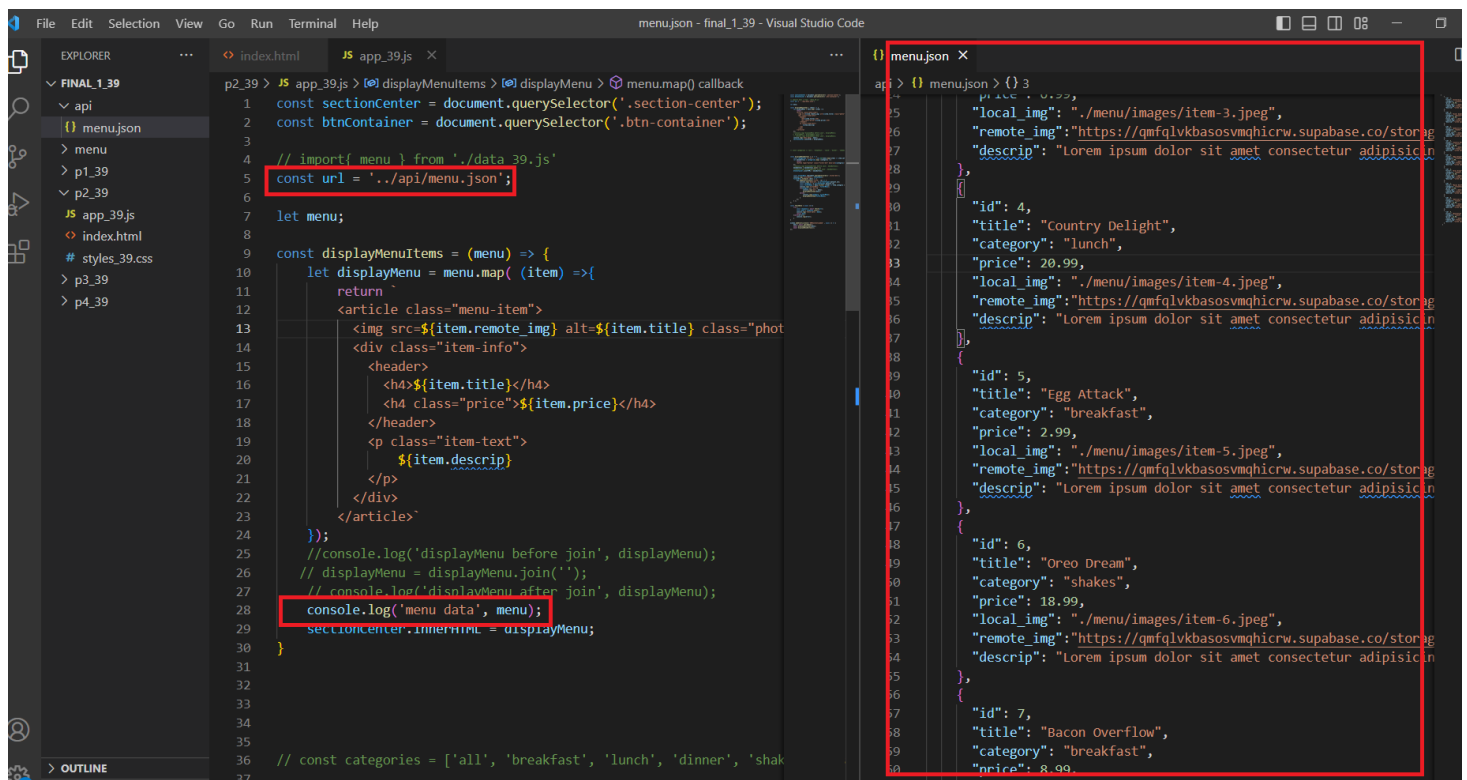
(10%) P2-3: Do P2_xx to show all menu_xx data from local /api/menu.json

show index.html and all menu_xx data fetching from /api/menu.json
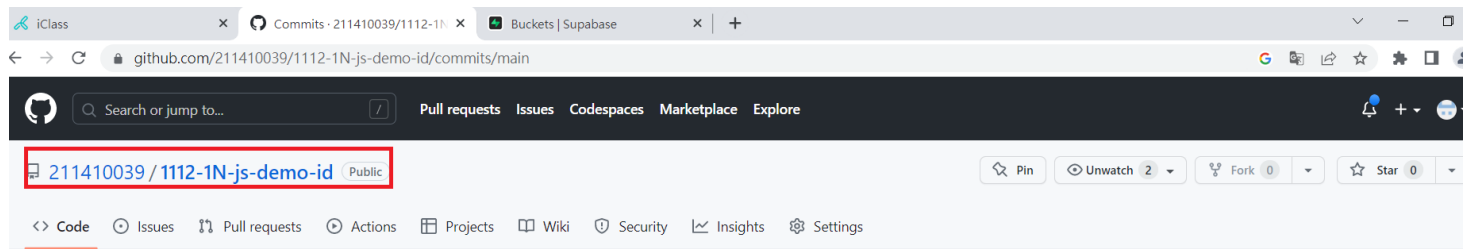

show the change in app_xx.js code to get menu_xx from /api/menu.json
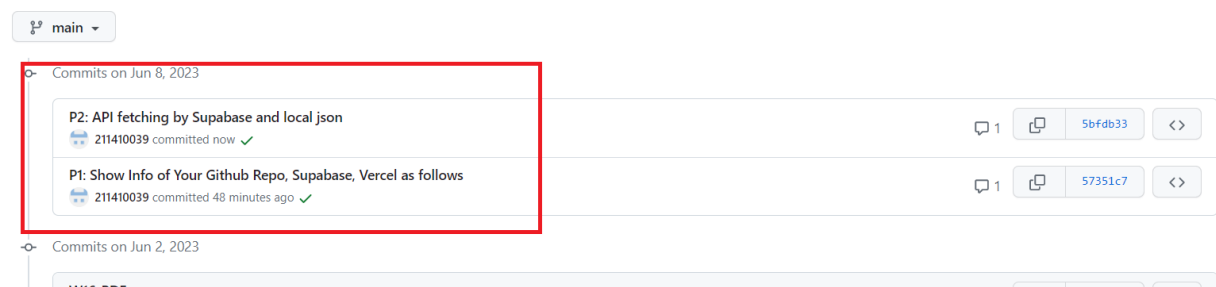
(5%) P2-4: Git log for P2

remember to git log for P2

```
5bfdb33 21141003901~    Thu Jun 8 19:58:28 2023 +0800    P2: API fetching by Supabase and local json
```

(35%) P3: API Projects and DOM projects

(10%) P3-1: Do P3_xx by modifing the meal finder code to show cocktail drinks by search term

in app_xx.js, mark the code you modified


```javascript
const search = document.querySelector('#search');
const submit = document.querySelector('#submit');
const random = document.querySelector('#random');
const resultHeading = document.querySelector('#result-heading');
const mealsEl = document.querySelector('#meals');
const single_mealEl = document.querySelector('#single-meal');

const searchMeal = (e) => {
  e.preventDefault();
  const term = search.value;
  //   console.log('term', term);
  if (term.trim()) {
    fetch(`https://www.thecocktaildb.com/api/json/v1/1/search.php?s=${term}`)
      .then((response) => response.json())
      .then((data) => {

        if (data.drinks === null) {
          resultHeading.innerHTML = `<p> There are no search results. Try again! <
        } else {
          resultHeading.innerHTML = `<h2> Search Results for '${term}' </h2>`;
          mealsEl.innerHTML = data.drinks
            .map((drinks) => {
              return `
                <div class="meal">
                  <img src="${drinks.strDrinkThumb}" />
                  <div class="meal-info" data-mealid="${drinks.idDrink}">
                    <h3> ${drinks.strDrink} </h3>
                  </div>
                </div>
              `;
            })
            .join('');
        }
        console.log('cocktail data', data);
      });
  } else {
    // alert('Please enter a search term');
  }
```

```javascript
          <img src= ${meal.strMealThumb} />
          <div class="main">
            <p> ${meal.strInstructions} </p>
            <h2> Ingredients </h2>
            <ul>
              ${ingredients
                .map((ing) => {
                  return `<li>${ing}</li>`;
                })
                .join('')}
            </ul>
          </div>

        </div>
      `;
};

// Event listeners
submit.addEventListener('click', searchMeal);

mealsEl.addEventListener('click', (e) => {
  // console.log('e.path', e.composedPath());
  const composedPath = e.composedPath();
  const mealInfo = composedPath.find((item) => {
    if (item.classList) {
      return item.classList.contains('drinks-info');
    } else {
      return false;
    }
  });
  if (mealInfo) {
    // console.log('mealInfo', mealInfo);
    const mealID = mealInfo.getAttribute('data-dinksid');
    getMealById(mealID);
  }
});
```

(10%) P3-2: Do P4_xx using the code provided to show the config info on the left butons and add 5 users initially

code for showing config info on the left butons and add 5 users initially

(5%) P3-3: Continue P4_xx, give functions for button "Calculate entire Wealth"

w17-p3-31.png
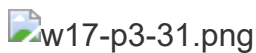
code for button "Calculate entire Wealth"

w17-p3-32.png
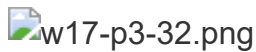
(5%) P3-4: Continue P4_xx, give functions for button "Sorting by Richest"

w17-p3-41.png
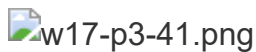
code for button "Sorting by Richest"

w17-p3-42.png
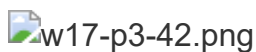
(5%) P3-5: All logs for P1, P2, P3

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-06-07"
fa08cb0 21141003901~    Thu Jun 8 21:51:14 2023 +0800   P3: API Projects and DOM projects
5bfdb33 21141003901~    Thu Jun 8 19:58:28 2023 +0800   P2: API fetching by Supabase and local json
57351c7 21141003901~    Thu Jun 8 19:10:42 2023 +0800   P1: Show Info of Your Github Repo, Supabase, Vercel as fo
```

← → C | 🔒 github.com/211410039/1112-1N-js-demo-id/commits/main

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Commits

⑂ main ▾

◦— Commits on Jun 8, 2023

P3: API Projects and DOM projects
211410039 committed 1 minute ago ✓
💬 1   ⧉   fa08cb0   <>

P2: API fetching by Supabase and local json
211410039 committed 1 hour ago ✓
💬 1   ⧉   5bfdb33   <>

P1: Show Info of Your Github Repo, Supabase, Vercel as follows
211410039 committed 2 hours ago ✓
💬 1   ⧉   57351c7   <>

◦— Commits on Jun 2, 2023