

(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

The screenshot shows a GitHub repository page for the user '211410039' and the repository '1112-1N-js-demo-id'. The repository is public and has 96 commits. The file list includes folders like .vscode, css, demo, img, js, and webfonts, as well as files like README.md, contact_39.html, index.html, index.md, and notes.txt. The right sidebar shows the repository's about section, including a link to the Vercel deployment URL: '1112-1-n-js-demo-211410039.vercel.app'.

211410039 / 1112-1N-js-demo-id Public

main 1 branch 0 tags

Go to file Add file <> Code

211410039 W16-PDF 1 2a722d3 last week 96 commits

.vscode	W14-P1: Get Cocktail data by first letter	3 weeks ago
css	add index.html	2 weeks ago
demo	W16-PDF	last week
img	add index.html	2 weeks ago
js	add index.html	2 weeks ago
webfonts	add mega menu to vercel	2 months ago
README.md	Update README.md	4 months ago
contact_39.html	add index.html	2 weeks ago
index.html	add index.html	2 weeks ago
index.md	Finish	2 months ago
notes.txt	W16-P2: Show single meal by its ID	last week

About

1112-1-n-js-demo-211410039.vercel.app

Readme Activity 0 stars 2 watching 0 forks

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

iClass

Commits · 211410039/1112-1N

Buckets | Supabase

github.com/211410039/1112-1N-js-demo-id/commits/main

211410039 / 1112-1N-js-demo-idPublic

<> CodeIssuesPull requestsActionsProjectsWikiSecurityInsightsSettings

main

Commits on Jun 2, 2023

W16-PDF

211410039 committed last week ✓

12a722d3<>

W16-logs

211410039 committed last week ✓

1c80d88c<>

W16-P3: Show random meal

211410039 committed last week ✓

133fb29f<>

W16-P2: Show single meal by its ID

211410039 committed last week ✓

1d9be59f<>

W16-P1: Show meals by search term

211410039 committed last week ✓

1d6f2e4c<>

Commits on May 26, 2023

add index.html

211410039 committed 2 weeks ago ✓

191cb220<>

Commits on May 25, 2023

W15-PDF

211410039 committed 2 weeks ago ✓

133f5f62<>

W15-logs

211410039 committed 2 weeks ago ✓

177ca9f1<>

W15-P4: show w15 web page in Vercel

211410039 committed 2 weeks ago ✓

1f8dbd6a<>

push index.html

211410039 committed 2 weeks ago ✓

134c9b8e<>

W15-P3: get company products by pressing company buttons

211410039 committed 2 weeks ago ✓

149f3379<>

W15-P2: get menu items from local json (products.json)

211410039 committed 2 weeks ago

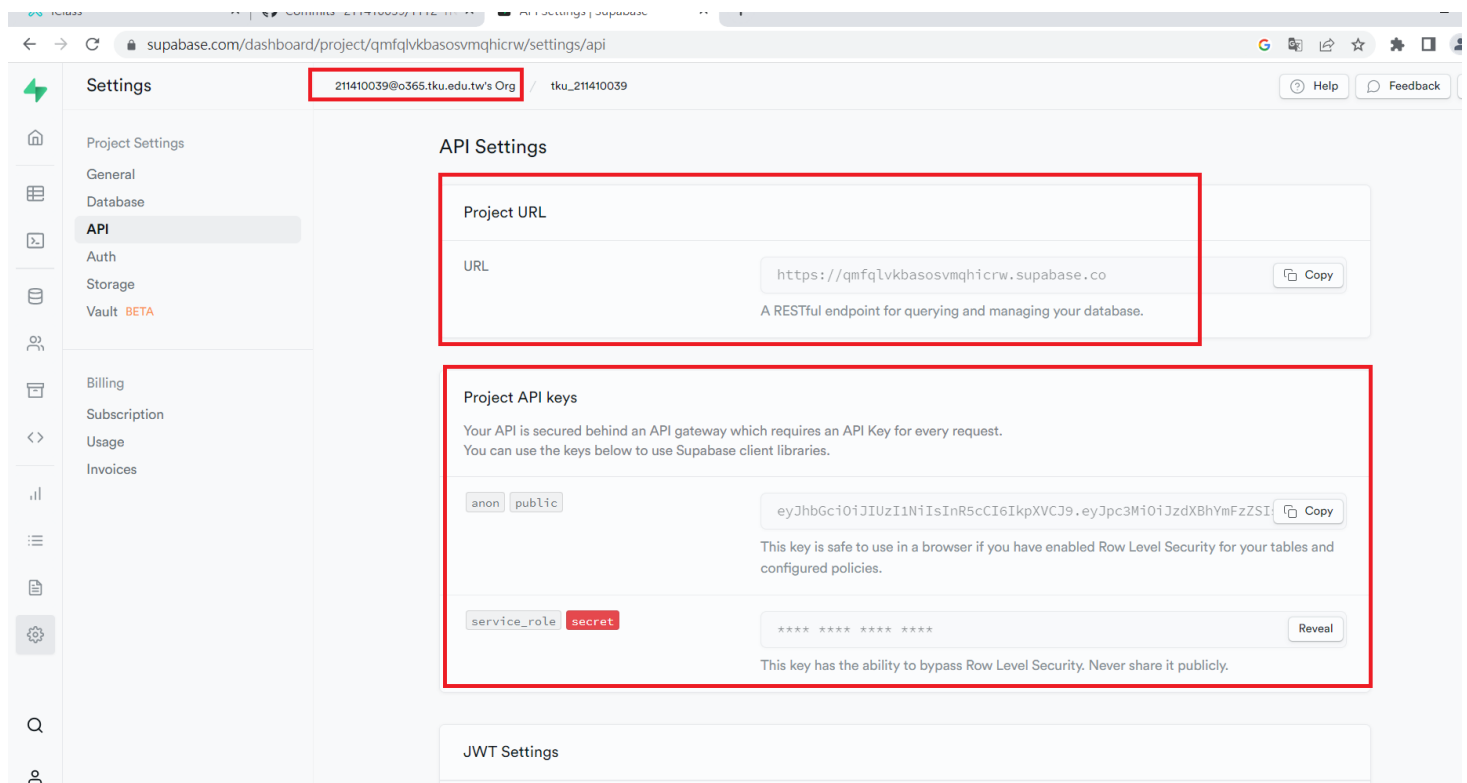
17d234c<>

W15-P1: prepare menu items for API project in Vercel

211410039 committed 2 weeks ago ✓

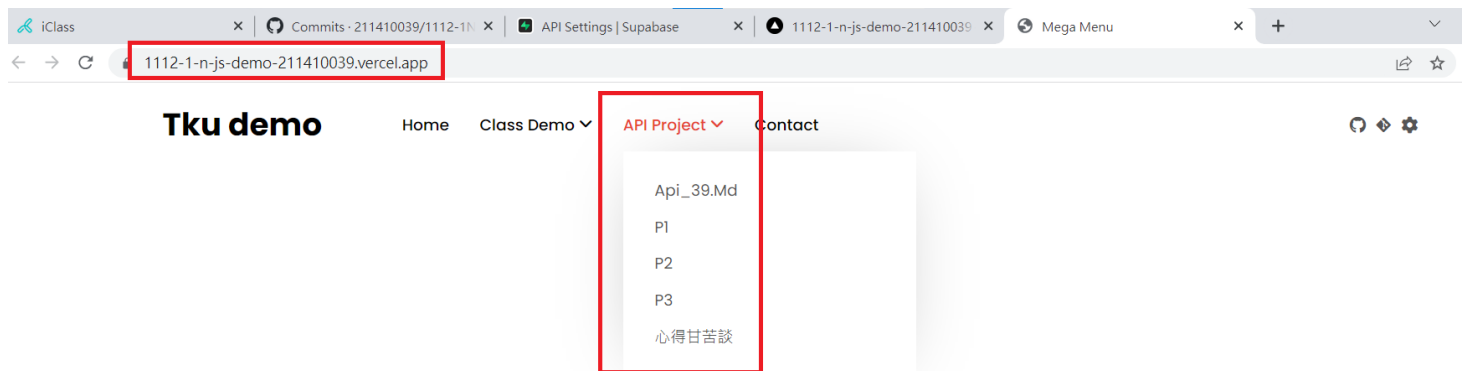
154bd449<>

(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

github.com/211410039/1112-1N-js-demo-id/commits/main

Search or jump to...

Pull requests Issues Codespaces Marketplace Explore

211410039 / 1112-1N-js-demo-id Public

Pin Unwatch 2 Fork 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Commits

main

Commits on Jun 8, 2023

P1: Show Info of Your Github Repo, Supabase, Vercel as follows
211410039 committed 1 minute ago ✓

Commits on Jun 2, 2023

W16-PDF 211410039 committed last week ✓	1 2a722d3 <>
W16-logs 211410039 committed last week ✓	1 c00d08c <>
W16-P3: Show random meal 211410039 committed last week ✓	1 33fb29f <>
W16-P2: Show single meal by its ID 211410039 committed last week ✓	1 d9be59f <>
W16-P1: Show meals by search term	1 d6f2e4c <>


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

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

old anon key

jwt.io

Learn what's new with Auth0 at Devday23 on May 16 [Register now](#)

 [Debugger](#) [Libraries](#) [Introduction](#) [Ask](#) [Crafted by auth0](#)

Warning: JWTs are credentials, which can grant access to resources. Be careful where you paste them! We do not record tokens, all validation and debugging is done on the client side.

Algorithm

HS256

Encoded

PASTE A TOKEN HERE

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6InFtZnFsdmtiYXNvc3ZtcWhpY3J3Iiwicm9sZSI6ImFub24iLCJpYXQiOiE2Nzc3NTM5NTQsImV4cCI6MTk5MzM5OTk1NH0.YgMEiPG_3_U5VZdzj50w8g2Mln_R6b5g6Ky1XCAAwfQ

Decoded

EDIT THE PAYLOAD AND SECRET

HEADER: ALGORITHM & TOKEN TYPE

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

PAYLOAD: DATA

```
{  "iss": "supabase",  "ref": "qmflvkbassvmqhcrw",  "role": "anon",  "iat": 1677753954,  "exp": 1993329954}
```

VERIFY SIGNATURE

```
HMACSHA256(  
  base64UrlEncode(header) + "." +  
  base64UrlEncode(payload)  
)  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6InFtZnFsdmtiYXNvc3ZtcWhpY3J3Iiwicm9sZSI6ImFub24iLCJpYXQiOiE2Nzc3NTM5NTQsImV4cCI6MTk5MzM5OTk1NH0.YgMEiPG_3_U5VZdzj50w8g2Mln_R6b5g6Ky1XCAAwfQ
```

☐ secret base64 encoded

✔ Signature Verified

SHARE JWT

new anon key by generating a new JWT secret

jwt.io

Learn what's new with Auth0 at Devday23 on May 16 [Register now](#)

JWT

Debugger Libraries Introduction Ask

Crafted by [auth0](#)

Encoded

PASTE A TOKEN HERE

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6InFtZnFsdmtiYWV3Z3ZtcWhpY3J3Iiwicm9sZSI6ImFub24iLCJpYXQiOiE2ODYyMjM0MTAsImV4cCI6MTc5OTg5MH0.ZxLy5jLhqcdMnJtz5HfCf0aNAEgNe-yfpQsj1hZQmxQ
```

Decoded

EDIT THE PAYLOAD AND SECRET

HEADER: ALGORITHM & TOKEN TYPE

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

PAYLOAD: DATA

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

VERIFY SIGNATURE

```
HMACSHA256(  base64UrlEncode(header) + "." +  base64UrlEncode(payload),  eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6InFtZnFsdmtiYWV3Z3ZtcWhpY3J3Iiwicm9sZSI6ImFub24iLCJpYXQiOiE2ODYyMjM0MTAsImV4cCI6MTc5OTg5MH0.ZxLy5jLhqcdMnJtz5HfCf0aNAEgNe-yfpQsj1hZQmxQ  ) secret base64 encoded
```

Signature Verified

SHARE JWT

supabase.com/dashboard/project/qmflvkbasmqhcicrw/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.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6InFtZnFsdmtiYWV3Z3ZtcWhpY3J3Iiwicm9sZSI6ImFub24iLCJpYXQiOiE2ODYyMjM0MTAsImV4cCI6MTc5OTg5MH0.ZxLy5jLhqcdMnJtz5HfCf0aNAEgNe-yfpQsj1hZQmxQ

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.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6InFtZnFsdmtiYWV3Z3ZtcWhpY3J3Iiwicm9sZSI6ImFub24iLCJpYXQiOiE2ODYyMjM0MTAsImV4cCI6MTc5OTg5MH0.ZxLy5jLhqcdMnJtz5HfCf0aNAEgNe-yfpQsj1hZQmxQ

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

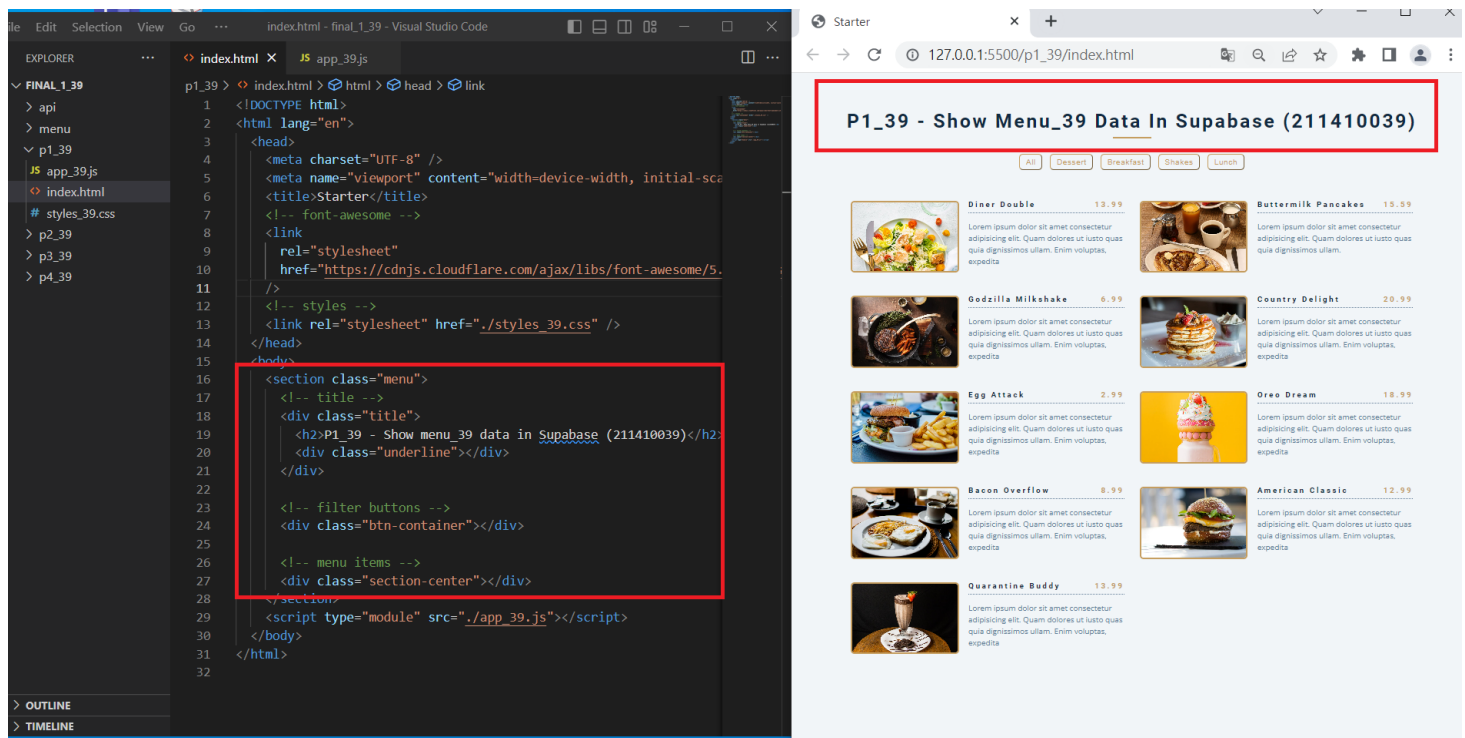
Generate a random secret

Create my own secret

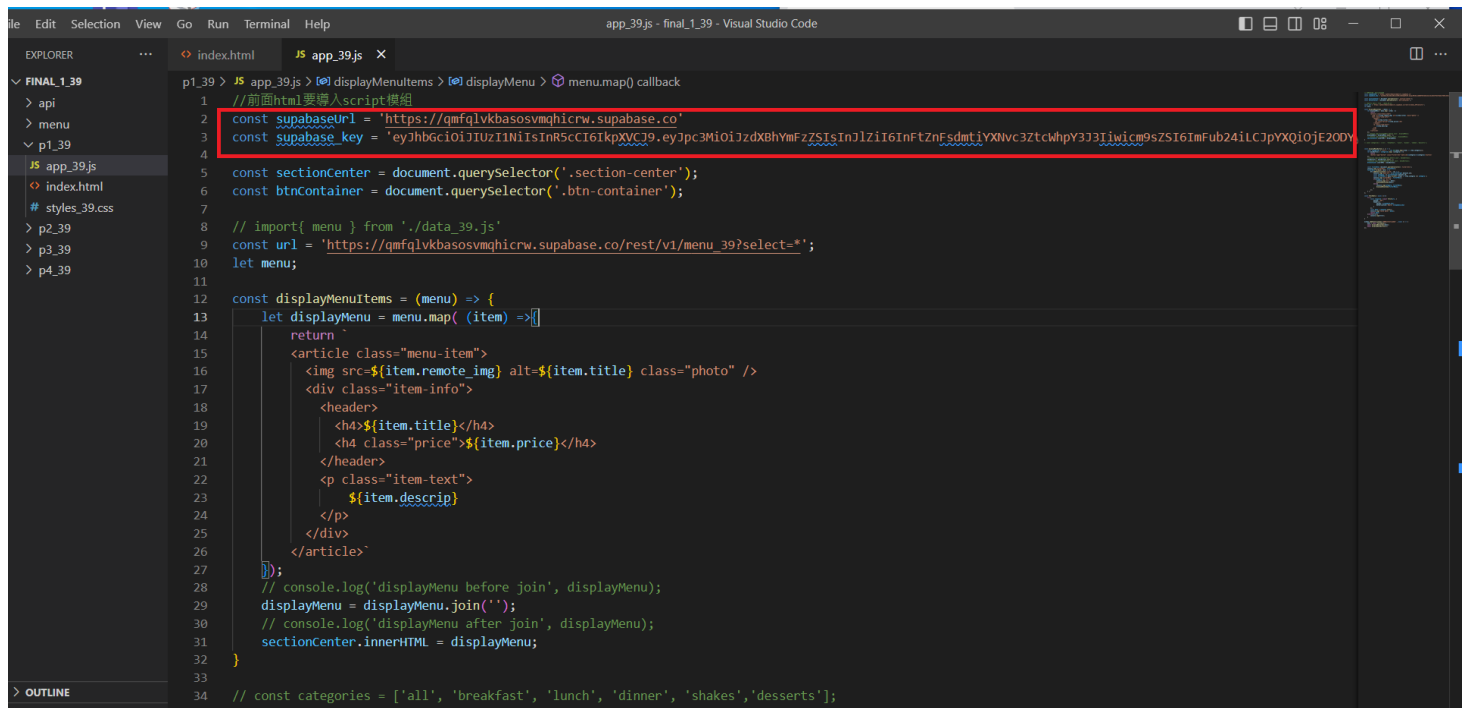
This will invalidate all existing API keys! Generating a new JWT secret will invalidate all of your API keys, including your service_role and during this process, which will terminate any existing connections.

(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 Supabase

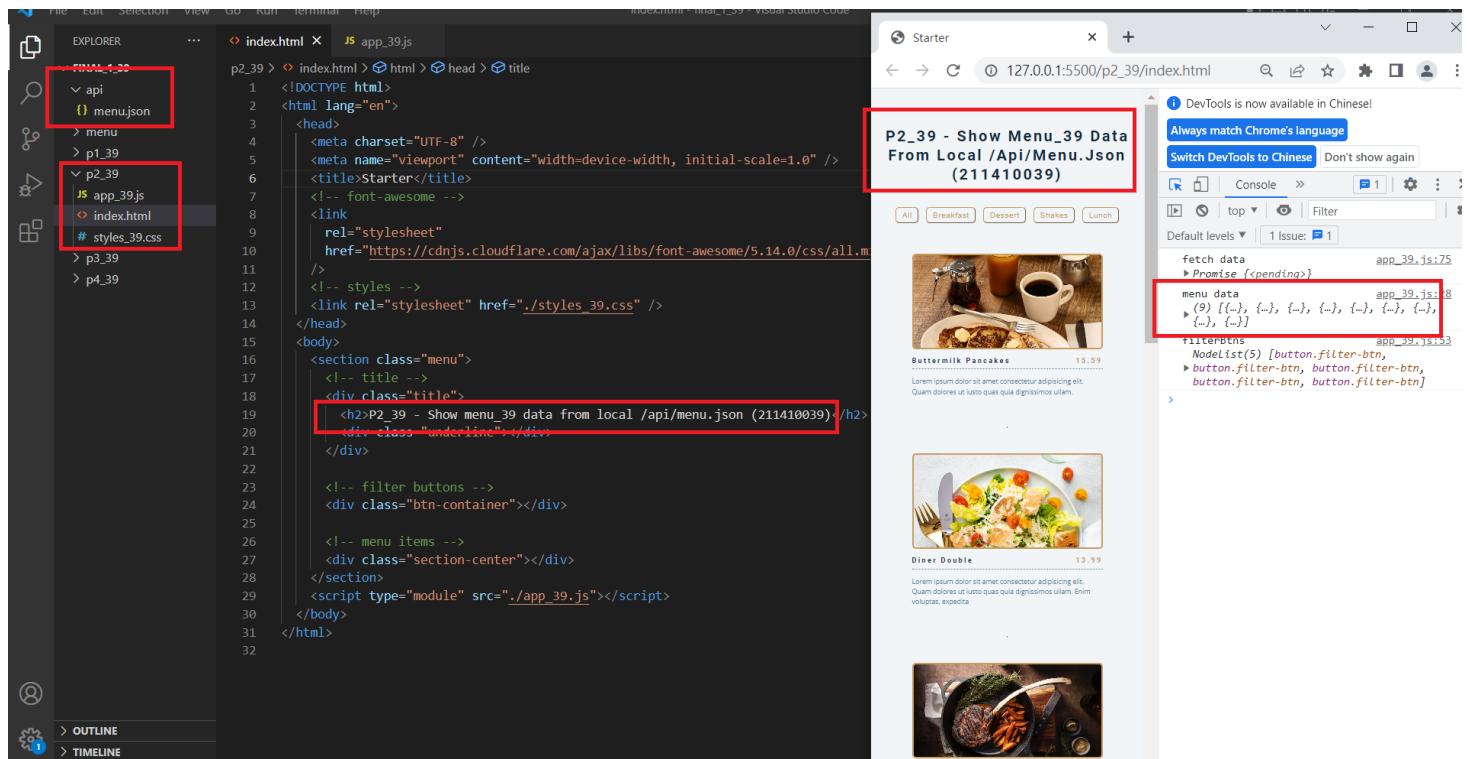


show the change in app_xx.js code to get menu_xx from Supabase

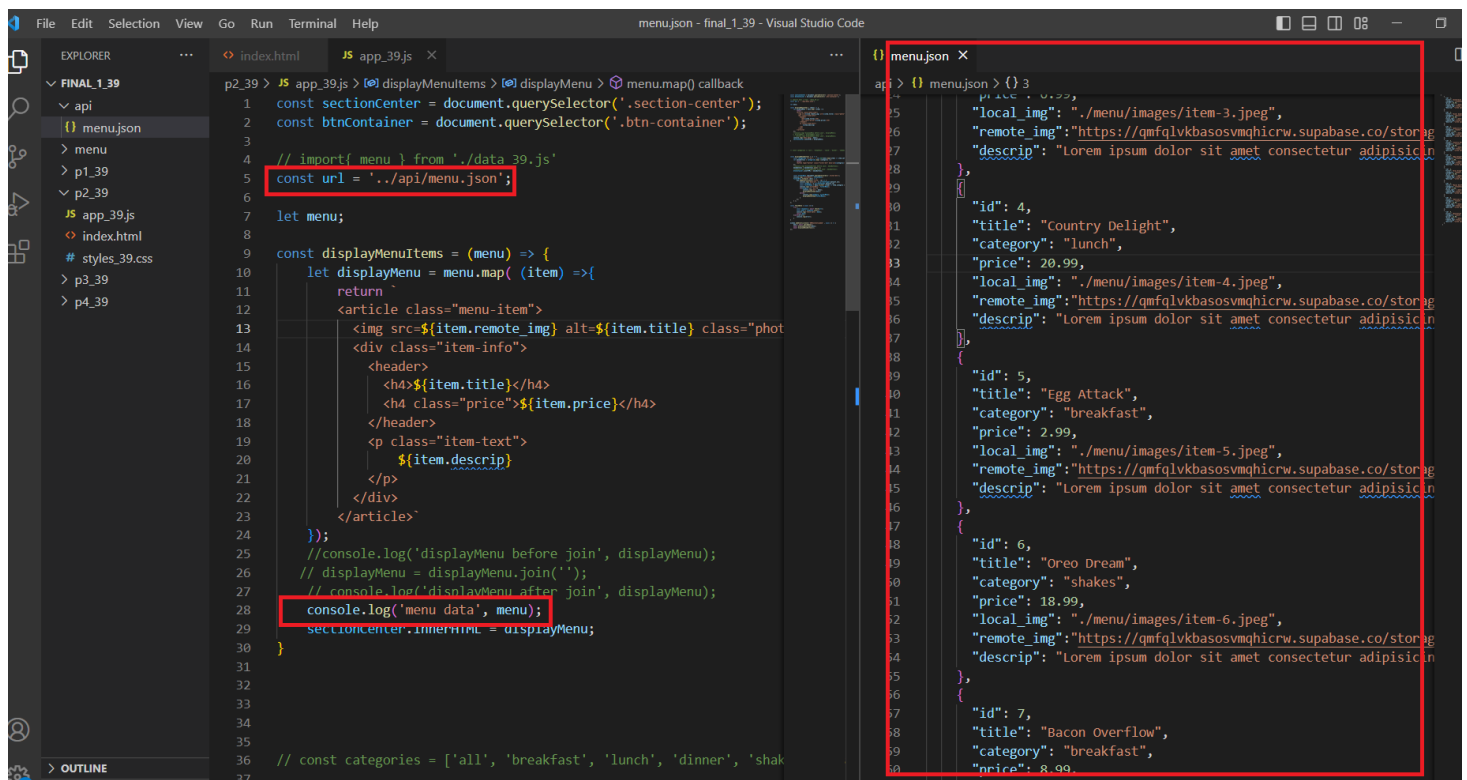


(10%) P2-3: Do P2_xx to show all menu_xx data from local /api/menu.json

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



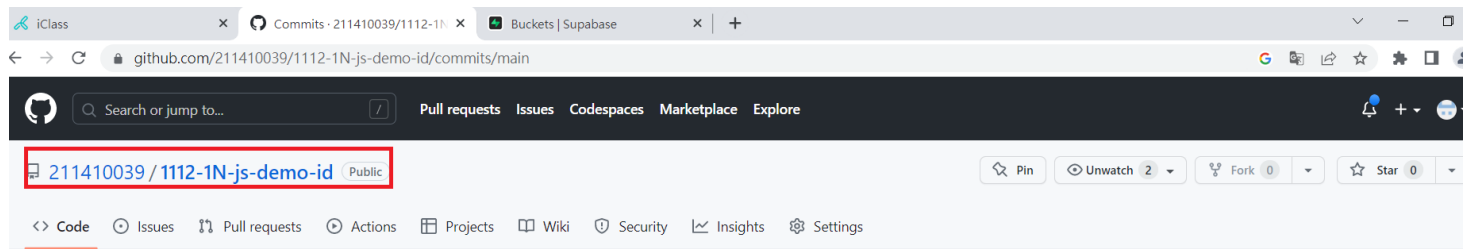
show the change in app_xx.js code to get menu_xx from /api/menu.json



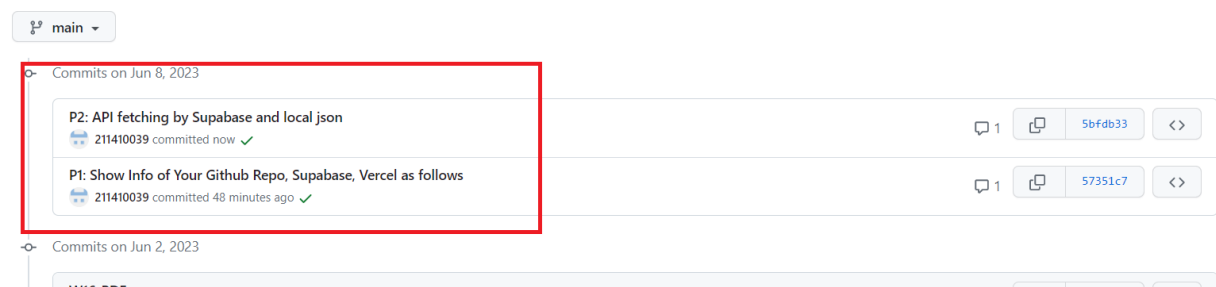
(5%) P2-4: Git log for P2

remember to git log for P2

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



Commits



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

in app_xx.js, mark the code you modified

```
index.html script_39.js script_39.js
p3_39 > JS script_39.js > [?] searchMeal > [?] then() callback
1 const search = document.querySelector('#search');
2 const submit = document.querySelector('#submit');
3 const random = document.querySelector('#random');
4 const resultHeading = document.querySelector('#result-heading');
5 const mealsEl = document.querySelector('#meals');
6 const single_mealEl = document.querySelector('#single-meal');
7
8 const searchMeal = (e) => {
9   e.preventDefault();
10  const term = search.value;
11  // console.log('term', term);
12  if (term.trim()) {
13    fetch('https://www.thecocktaildb.com/api/json/v1/1/search.php?s=${term}')
14    .then((response) => response.json())
15    .then((data) => {
16
17      if (data.drinks === null) {
18        resultHeading.innerHTML = `<p> There are no search results. Try again! </p>`;
19      } else {
20        resultHeading.innerHTML = `<h2> Search Results for '${term}' </h2>`;
21        mealsEl.innerHTML = data.drinks
22          .map((drinks) => {
23            return `
24              <div class="meal">
25                
26                <div class="meal-info" data-mealid="${drinks.idDrink}">
27                  <h3> ${drinks.strDrink} </h3>
28                </div>
29              </div>
30            `;
31          })
32          .join('');
33        console.log('cocktail data', data);
34      }
35    });
36  } else {
37    // alert('Please enter a search term');
38  }
39}
```

```
script_39.js
p3_39 > JS script_39.js > [?] searchMeal > [?] then() callback
67 <img src=${meal.strMealThumb} />
68 <div class="main">
69   <p> ${meal.strInstructions} </p>
70   <h2> Ingredients </h2>
71   <ul>
72     ${ingredients
73       .map((ing) => {
74         return <li>${ing}</li>;
75       })
76       .join('')}
77   </ul>
78 </div>
79
80
81
82
83
84 // Event listeners
85 submit.addEventListener('click', searchMeal);
86
87 mealsEl.addEventListener('click', (e) => {
88   // console.log('e.path', e.composedPath());
89   const composedPath = e.composedPath();
90   const mealInfo = composedPath.find((item) => {
91     if (item.classList) {
92       return item.classList.contains('drinks-info');
93     } else {
94       return false;
95     }
96   });
97   if (mealInfo) {
98     // console.log('mealInfo', mealInfo);
99     const mealID = mealInfo.getAttribute('data-dinksid')
100     getMealById(mealID);
101   }
102 });
103
```

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

DOM Array Methods x https://randomuser.me/api x +

127.0.0.1:5500/p4_39/index.html

Add User 🧑

Double Money 💰

Show Only Millionaires 🏆

Sort by Richest ↕

Calculate entire Wealth 📊

Person	Wealth
QuerubimRodrigues	\$3693729.00
SakshamShenoy	\$2272533.00
Franz-JosefHaberland	\$3023458.00
ShanayaGugale	\$9501166.00
JuliusOjala	\$5201366.00

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

The image shows a Visual Studio Code editor with two files open: 'index.html' and 'JS script.js'.

index.html (Left Panel):

```

1  <script src="script.js"></script>
2  <div id="main">
3    <div id="person"></div>
4    <div id="double"></div>
5    <div id="show-millionaires"></div>
6    <div id="sort"></div>
7    <div id="calculate-wealth"></div>
8  </div>
9  <div id="data"></div>
10 </div>
11 <div id="config">
12   <div id="num-random">5</div>
13   <div id="ratio">1.5</div>
14   <div id="show-condition">20000000</div>
15 </div>
16 <div id="update-dom">
17   <div id="display-person">
18     <div class="person"><strong>${item.name}</strong></div>
19     <div class="money">${item.money}</div>
20   </div>
21   <div id="add-data">
22     <div id="add-data"></div>
23   </div>
24 </div>
25 <div id="console-log">
26   <div id="main-data">data</div>
27   <div id="display-person">displayPerson.join('')</div>
28   <div id="person-name">personName.innerHTML</div>
29 </div>
30 <div id="add-data">
31   <div id="add-data">data</div>
32   <div id="console-log">data</div>
33   <div id="update-dom">updateDOM</div>
34 </div>
35 </div>
36 </div>
37 </div>
38 </div>
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100 </div>

```

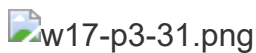
JS script.js (Right Panel):

```

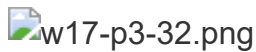
1  const main = document.querySelector("#main");
2  const personName = document.querySelector(".person");
3  const addUserBtn = document.querySelector("#add-user");
4  const doubleBtn = document.querySelector("#double");
5  const showMillionairesBtn = document.querySelector("#show-millionaires");
6  const sortBtn = document.querySelector("#sort");
7  const calculateBtn = document.querySelector("#calculate-wealth");
8
9  let data = [];
10
11  const config = {
12    numRandom: 5,
13    ratio: 1.5,
14    showCondition: 20000000,
15  };
16
17  const updateDOM = (providedData = data) => {
18    let displayPerson = data.map((item) => {
19      return `
20        <div class="person"><strong>${item.name}</strong></div>
21        <div class="money">${item.money}</div>
22      `;
23    });
24    console.log('main data', data);
25    displayPerson = displayPerson.join('');
26    personName.innerHTML = displayPerson;
27  };
28
29  const addData = (obj) => {
30    data.push(obj);
31    // console.log('data', data);
32    updateDOM();
33  };
34
35  // Format money as money - https://stackoverflow.com/questions/
36  function formatMoney(number) {
37    return number.toLocaleString('en-US', {
38      style: 'currency',
39      currency: 'USD',
40    });
41  }
42
43  const getRandomUser = async () => {
44    const res = await fetch('https://randomuser.me/api');
45    const data = await res.json();
46    // add your code
47  };
48
49  const newUser = {
50    name: `${data.results[0].name.first}${data.results[0].name.last}`,
51    money: Math.floor(Math.random() * 10000000),
52  };
53  console.log('name data', data);
54  addData(newUser);
55
56  const getUsers = () => {
57    for (let i = 0; i < config.numRandom; i++) {
58      getRandomUser();
59    }
60  };
61
62  getUsers();
63
64  const changeBtnText = () => {
65    // add your code
66  };
67
68  const sortByRichest = () => {
69    // add your code
70  };
71
72  const calculateWealth = () => {
73    // add your code
74  };
75
76  addUserBtn.addEventListener('click', getRandomUser);
77  sortBtn.addEventListener('click', sortByRichest);
78  calculateBtn.addEventListener('click', calculateWealth);
79
80  // add your code
81
82  // add your code
83
84  // add your code
85
86  // add your code
87
88  // add your code
89
90  // add your code
91
92  // add your code
93
94  // add your code
95
96  // add your code
97
98  // add your code
99
100 // add your code

```

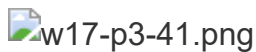
(5%) P3-3: Continue P4_xx, give functions for button "Calculate entire Wealth"



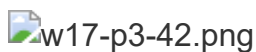
code for button "Calculate entire Wealth"



(5%) P3-4: Continue P4_xx, give functions for button "Sorting by Richest"



code for button "Sorting by Richest"



(5%) P3-5: All logs for P1, P2, P3

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09s" --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
```

Commits on Jun 8, 2023

P3: API Projects and DOM projects

211410039 committed 1 minute ago ✓

P2: API fetching by Supabase and local json

211410039 committed 1 hour ago ✓

P1: Show Info of Your Github Repo, Supabase, Vercel as follows

 211410039 committed 2 hours ago ✓

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fa08cb0

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5bfdb33

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57351c7

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Commits on Jun 2, 2023