

(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%): ? 分
- P1-2 (6%): ? 分
- P1-3 (6%): ? 分
- P1-4 (6%): ? 分
- P1-5 (6%): ? 分
- P2-1 (10%): ? 分
- P2-2 (10%): ? 分
- P2-3 (10%): ? 分
- P2-4 (5%): ? 分
- P3-1 (10%): ? 分
- P3-2 (10%): ? 分
- P3-3 (5%): ? 分
- P3-4 (5%): ? 分
- P3-5 (5%): ? 分
- 總分: ? 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 'htchung / 1112-1N-js-demo-id'. The page includes a header with navigation links like Pull requests, Issues, Codespaces, Marketplace, and Explore. Below the header, there's a search bar and a 'Code' tab selected. The main content area displays a list of commits from user 'htchung' with details like commit message, date, and author. A sidebar on the right contains sections for About, Activity, Releases, and Packages. Red boxes highlight several specific elements: the repository name in the header, the commit count '80 commits' in the commit list, and the Vercel app link '1112-1-n-js-demo-id-xi.vercel.app' in the 'About' section.

htchung / 1112-1N-js-demo-id Private

Unwatch 1 Fork 0 Star 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

Go to file Add file Code

htchung w16 finished up 1 93bf93d last week 80 commits

.vscode add mega menu 2 months ago

css create w13_xx.md last month

demo w16 finished up last week

dev add dev/w16 meal finder code last week

img use tku photo add dev/w16 meal finder code 2 months ago

js add link for w15 code in index.html 2 weeks ago

webfonts add mega menu 2 months ago

index.html add link for w15 code in index.html 2 weeks ago

About

1112-1-n-js-demo-id-xi.vercel.app

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

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

The screenshot shows a GitHub repository page for `htchung / 1112-1N-js-demo-id`. The main navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The 'Code' tab is selected.

The page displays two sections of commits:

- Commits on Jun 1, 2023:** This section is highlighted with a red box. It contains five commits by `htchung` from last week:
 - w16 finished up
 - Show random meal
 - W16-P2: Show single meal by its ID
 - W16-P1: Show meals by search term
 - add dev/w16 meal finder code
- Commits on May 25, 2023:** This section is also highlighted with a red box. It contains six commits by `htchung` from 2 weeks ago:
 - w15 finish up
 - W15-P4: show w15 web page in Vercel
 - add link for w15 code in index.html
 - modify app_xx.js
 - w15 finish up
 - W15-P3: get company products by pressing company buttons

Each commit card includes a user icon, the commit message, the author's name and date, a comment count (1), a copy icon, a commit hash, and a diff icon.

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

The screenshot shows the Supabase dashboard under the 'Settings' tab. The left sidebar has 'API' selected. The main area is titled 'API Settings' and contains two sections: 'Project URL' and 'Project API keys'. The 'Project URL' section shows the URL <https://erogcveccbzsyhbputf.supabase.co> with a 'Copy' button. The 'Project API keys' section shows two keys: 'anon' (public) and 'service_role' (secret). The secret key is highlighted with a red box and includes a note about Row Level Security.

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

My Vercel SupaDemo URL

The screenshot shows a Vercel page for the 'TKUdemo' project. The URL in the address bar is <https://1112-1-n-js-demo-id-xi.vercel.app>. The page features a navigation bar with 'Home', 'New', 'Class Demo', 'Blog', and a dropdown menu 'API Project' which is also highlighted with a red box. The 'API Project' dropdown menu lists 'Api_xx.Md', 'P1', 'P2', 'P3', and '心得甘苦談'.

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

40a2568 htchung Thu Jun 8 10:02:59 2023 +0800 P1: Show Info of Your Github Repo, Supabase, Vercel as follows

The screenshot shows a GitHub repository page for 'htchung / 1112-1N-js-demo-id'. The 'Code' tab is selected. A red box highlights the repository name 'htchung / 1112-1N-js-demo-id' and the 'Private' status. Another red box highlights a specific commit message: 'P1: Show Info of Your Github Repo, Supabase, Vercel as follows' made by 'htchung' one minute ago.

htchung / 1112-1N-js-demo-id Private

Code Issues Pull requests Actions Projects Wiki Security

Commits

main

Commits on Jun 8, 2023

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

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

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

old anon key

The screenshot shows the jwt.io debugger interface. On the left, under 'Encoded', a long string of characters is displayed, representing a JWT token. This string is highlighted with a red box. On the right, under 'Decoded', the token's structure is shown in JSON format:

```
HEADER: ALGORITHM & TOKEN TYPE
{
  "alg": "HS256",
  "typ": "JWT"
}

PAYLOAD: DATA
{
  "iss": "supabase",
  "ref": "erogcveccbzsyhbgputf",
  "role": "anon",
  "iat": 1683698215,
  "exp": 1999274215
}

VERIFY SIGNATURE
HMACSHA256(
  base64UrlEncode(header) + "." +
  base64UrlEncode(payload),
  your-256-b+XEjh4eaQ0B| )
) secret base64 encoded
```

A red box highlights the 'your-256-b+XEjh4eaQ0B|' part of the verification code. At the bottom left, a button labeled 'Signature Verified' has a red box around it. At the bottom right, a blue button labeled 'SHARE JWT' is visible.

new anon key by generating a new JWT secret

The screenshot shows the jwt.io interface. On the left, under 'Encoded', a long string of characters is displayed, representing a JWT token. On the right, under 'Decoded', the token's structure is shown in JSON format:

```
HEADER: ALGORITHM & TOKEN TYPE
{
  "alg": "HS256",
  "typ": "JWT"
}

PAYLOAD: DATA
{
  "iss": "supabase",
  "ref": "erogcvecccbzyhbgputf",
  "role": "anon",
  "iat": 1686039859,
  "exp": 2001615859
}

VERIFY SIGNATURE
HMACSHA256(
  base64UrlEncode(header) + "." +
  base64UrlEncode(payload),
  JjXig0Nc83rQPsD8Y3cQ==)
) □ secret base64 encoded
```

A red box highlights the 'Signature Verified' message at the bottom left, and another red box highlights the payload section of the decoded token.

The screenshot shows the Supabase dashboard under the 'Settings' tab. The 'API' section is selected. In the 'JWT Settings' area, there is a button labeled 'Generate a new JWT secret' with a red box around it. A warning message below it states: 'This will invalidate all existing API keys! Generating a new JWT secret will invalidate all of your API keys, including the current one. Your project will also be restarted during this process, which will terminate any existing connections.' To the right of the button is a dropdown menu with the option 'Generate a new secret'.

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

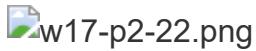
show index.html and all menu_xx data fetching from Supabase

The screenshot shows a split interface. On the left is the VS Code code editor with the file `index.html` open. A red box highlights the section of the code where the menu items are being rendered. On the right is a web browser window titled "Starter" showing the application running at `127.0.0.1:5500/p1_xx`. The browser displays a list of menu items with images, names, prices, and descriptions. The menu items are categorized by a "All" button and buttons for "Breakfast", "Dessert", "Shakes", and "Lunch".

P1_xx - Show Menu_xx Data In Supabase (123456789)

Category	Item Name	Price	Description
All	Buttermilk Pancakes	15.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.
All	Diner Double	13.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.
Breakfast	Godzilla Milkshake	6.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.
Breakfast	Country Delight	20.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.
Dessert	Egg Attack	2.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.
Dessert	Oreo Dream	18.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.
Lunch	Bacon Overflow	8.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.
Lunch	American Classic	12.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.
Lunch	Brooke Lark	9.99	Sometimes the very best breakfast eats are the simple
Lunch	Quarantine Buddy	13.99	Quam dolor sit amet consectetur adipisci. Quam dolor sit amet consectetur adipisci.

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

The screenshot shows a browser window displaying a menu page titled "P2_xx - Show Menu_xx Data From Local /Api/Menu.Json (123456789)". The page lists several menu items with images, names, and prices. Below the browser is a screenshot of the VS Code editor showing the file "index.html p2_xx". The code includes a title, a section for menu items, and a script that loads "app_xx.js". The "app_xx.js" file is shown in the bottom right, containing code related to filtering buttons and menu data.

VS Code Explorer:

- FINAL_1_XX
- api (menu.json)
- menu
- p1_xx
- p2_xx
- app_xx.js
- index.html
- # styles_xx.css

VS Code Editor (index.html p2_xx):

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Starter</title>
    <!-- font-awesome -->
    <link ...>
  </head>
  <body>
    <section class="menu">
      <!-- title -->
      <div class="title">
        <h2>P2_xx - Show menu_xx data from local /api/menu.json (123456789)</h2>
        <div class="underline"></div>
      </div>

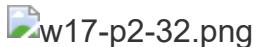
      <!-- filter buttons -->
      <div class="btn-container"></div>

      <!-- menu items -->
      <div class="section-center"></div>
    </section>
    <script type="module" src=".//app_xx.js"></script>
  </body>
</html>
```

Browser Output (Starter):

Item	Price	Description
Buttermilk Pancakes	15.59	>Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.
Diner Double	13.99	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.
Godzilla Milkshake	6.99	>Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.
Country Delight	20.99	>Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.
Egg Attack	2.99	>Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.
Bacon Overflow	8.99	>Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.
Groo Dream	18.99	>Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.
American Classic	12.99	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.
Quarantine Buddy	13.99	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut luto quae quia dignissimos ullam. Enim voluptas, expedita.

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

63e1a3c htchung Thu Jun 8 13:03:28 2023 +0800 P2: API fetching by Supabase and local json

The screenshot shows a GitHub repository page for `htchung / 1112-1N-js-demo-id`. The main navigation bar includes links for Pull requests, Issues, Codespaces, Marketplace, and more. Below the navigation is a menu with Code (selected), Issues, Pull requests, Actions, Projects, Wiki, Security, and Insights. The main content area is titled "Commits". A dropdown menu for the "main" branch is open. Two commits are listed under "Commits on Jun 8, 2023":

- P2: API fetching by Supabase and local json**
htchung committed 1 minute ago ✓
- P1: Show Info of Your Github Repo, Supabase, Vercel as follows**
htchung committed 3 hours ago ✓

A red box highlights the second commit.

(35%) P3: API Projects and DOM projects

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

Cocktail Finder -- 123456789

apple

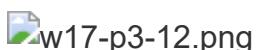
Search Results for 'apple'

cocktail data

script_xx.js:16:17

script_xx.js:16:17

in app_xx.js, mark the code you modified



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

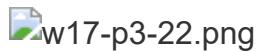
The screenshot shows a web application titled "DOM Array Methods". On the left, there is a sidebar with five buttons:

- Add Users (5) 🧑
- Raise Money * 1.5 💰
- Show > 2000000 💰
- Sort by Richest ↓
- Calculate entire Wealth 💰

On the right, there is a table with two columns: "Person" and "Wealth". The data is as follows:

Person	Wealth
Cansu Schouwstra	\$7,097,819.00
Teresa Santillán	\$3,218,833.00
Natalie Wood	\$399,891.00
Daniel Gallegos	\$3,821,046.00
Salma Helgestad	\$2,675,114.00

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



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

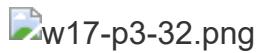
The screenshot shows a web page titled "DOM Array Methods". On the left, there is a vertical column of buttons:

- Add Users (5) 🤖
- Raise Money * 1.5 💰
- Show > 2000000 💰
- Sort by Richest ↓
- Calculate entire Wealth 💰 (This button is highlighted with a red border)

To the right of the buttons is a table with two columns: "Person" and "Wealth". The data in the table is as follows:

Person	Wealth
Angelo Boyer	\$5,184,175.00
Tyrone Cooper	\$9,139,658.00
Carrie Tucker	\$9,821,486.00
Annelore Gutmann	\$9,147,490.00
Vseslav Pavlo Taran	\$5,398,355.00
Octavio Carrasco	\$6,990,019.00
Rubi Viana	\$4,375,241.00
Total Wealth:	\$50,056,424.00

code for button "Calculate entire Wealth"



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

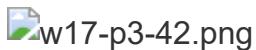
The screenshot shows a web page titled "DOM Array Methods". On the left, there is a vertical column of buttons:

- Add Users (5) 🧑
- Raise Money * 1.5 💰
- Show > 20000000 💰
- Sort by Richest ↓** (This button is highlighted with a red border.)
- Calculate entire Wealth 💰

To the right of the buttons is a table with two columns: "Person" and "Wealth". The data is as follows:

Person	Wealth
Charlotte Årvik	\$8,942,894.00
Louanne Lefevre	\$8,492,611.00
Mile Vidić	\$6,941,408.00
Surabhi Fernandes	\$4,588,198.00
Anaëlle Roussel	\$4,452,540.00

code for button "Sorting by Richest"



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

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-6-7"

61dc74f htchung Thu Jun 8 14:41:48 2023 +0800      P3: API Projects and DOM projects
63e1a3c htchung Thu Jun 8 13:03:28 2023 +0800      P2: API fetching by Supabase and local json
40a2568 htchung Thu Jun 8 10:02:59 2023 +0800      P1: Show Info of Your Github Repo, Supabase, Vercel as follows
```

The screenshot shows a GitHub repository page for the private repository `htchung / 1112-1N-js-demo-id`. The main navigation bar includes links for Pull requests, Issues, Codespaces, Marketplace, and other repository features. Below the header, there are tabs for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, and Insights, with the Code tab currently selected. A dropdown menu for the branch shows "main". The main content area displays three commits made on June 8, 2023:

- P3: API Projects and DOM projects** - Committed by `htchung` 1 minute ago.
- P2: API fetching by Supabase and local json** - Committed by `htchung` 1 hour ago.
- P1: Show Info of Your Github Repo, Supabase, Vercel as follows** - Committed by `htchung` 4 hours ago.

A red box highlights the three commits listed above.