

W01-P1: Create a GitHub repo for 1132 semester

=> Github repo

The screenshot shows a GitHub repository interface. At the top, the repository name '1132-1N-demo-43' is highlighted in a red box. The breadcrumb path '1132-1N-demo-43 / demo / md / w01_dom_43 / w01_43.md' is shown, with 'w01_43.md' highlighted in a red box. The file 'w01_43.md' is selected, and its content is displayed in the main area. The content includes a 'GitHub URL' link (highlighted in a red box), the title 'W01: Create a GitHub repo for 1132 semester', the instruction '=> Github repo', the instruction '=> share to teacher and TA', and the task 'W01-P2: implement add button'. The left sidebar shows the file tree with 'demo' expanded, and 'w01_43.md' selected. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings.

vic0627 / 1132-1N-demo-43

1132-1N-demo-43 / demo / md / w01_dom_43 / w01_43.md

victor_xu W01: Create a GitHub repo for 1132 semester b9858c0 · 2 minutes ago History

Preview Code Blame 15 lines (8 loc) · 251 Bytes Code 55% faster with GitHub Copilot Raw Download Edit

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W01: Create a GitHub repo for 1132 semester

=> Github repo

=> share to teacher and TA

W01-P2: implement add button

=> share to teacher and TA

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Type to search

<> Code

Issues

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Settings

sian-0018 has been added as a collaborator on the repository.

General

Access

Collaborators

Moderation options

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Code and automation

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Deploy keys

Who has access

Public repository

This repository is public and visible to anyone

Manage

PUBLIC REPOSITORY

This repository is public and visible to anyone.

Manage

DIRECT ACCESS

2 users have access to this repository. 0 collaborators, 2 invitations.

Manage

Manage access

Add people

Select all

Type

Find a collaborator...

Hsingtai Chung

Awaiting Htchung's response

Pending Invite

sian-0018

Awaiting sian-0018's response

Pending Invite

3b84d22 victor_xu

Thu Feb 20 20:38:46 2025 +0800 W01-P1: Create a GitHub repo fo

W01-P2: implement add button

The image displays a web application titled "The Unconventional Calculator" running in a browser. The browser address bar shows the URL `127.0.0.1:8751`. The page has a dark blue header with the title. Below the header, there are two main sections. The first section shows a large input field containing the number "30", with a red box highlighting it. Below the input field are four buttons: "+", "-", "*", and "/", each in a blue box with a red border. The second section shows the result of a calculation: "30 + 30" followed by "Result: 60", with a red box highlighting the entire result area.

On the left side of the image, a code editor shows the JavaScript code for the application. The code is written in a dark theme. A red box highlights a specific function `createOperator` and its associated event listener. The code defines a library `$lib` with properties for user input, buttons, and output fields. It also defines a `res` object with `default` and `current` values. The `createOperator` function takes a callback `cb` and returns a function that updates the `current` value and the `currentCalculationOutput` text content based on the selected operator and user input. The event listener for the `addBtn` button calls `createOperator` with a specific callback.

At the bottom right, the browser's developer tools are open, showing the `Console` tab. The console log shows the following messages:

- `calText 0 + 10`
- `calText 10 + 20`
- `calText 30 + 30`

The messages are associated with the file `w01_43.js` at line 26. The `Elements` panel shows the HTML structure of the calculator interface, including the `addBtn` button and the `currentCalculationOutput` field.

4afad54 victor_xu

Thu Feb 20 20:39:03 2025 +0800 W01-P2: implement add button

W01-P3: implement divide button

The image shows a development environment with a code editor on the left and a web browser on the right. The code editor displays the JavaScript code for a calculator application. The browser shows the user interface of the calculator, which includes a display showing the number 3, a row of buttons for addition, subtraction, multiplication, and division, and a row of buttons for the current result and calculation. The browser's console shows the output of the application, including the current result and calculation.

```
const l = console.log
const $lib = {
  userInput: $('input-number'),
  addBtn: $('btn-add'),
  subtractBtn: $('btn-subtract'),
  multiplyBtn: $('btn-multiply'),
  divideBtn: $('btn-divide'),
  currentResultOutput: $('current-result'),
  currentCalculationOutput: $('current-calculation'),
}

const res = {
  default: 0,
  current: 0,
}

for (const k in $lib) l(k, $lib[k])

const getUserInput = () => +$lib.userInput.value

const createOperator = (cb) => () => {
  const op1 = res.current
  const op2 = getUserInput()
  const [result, process] = cb(op1, op2)
  $lib.currentResultOutput.textContent = res.current = result
  $lib.currentCalculationOutput.textContent = process
  l(`${process} = ${result}`)
}

const eLib = {
  addBtn: (o1, o2) => [o1 + o2, `${o1} + ${o2}`],
  // subtractBtn: (o1, o2) => [o1 - o2, `${o1} - ${o2}`],
  // multiplyBtn: (o1, o2) => [(o1 * o2).toFixed(2), `${o1} * ${o2}`],
  divideBtn: (o1, o2) => [o2 ? ((o1 / o2).toFixed(2), `${o1} / ${o2}`) : [o1, 'can'],
}

for (const k in eLib) $lib[k].addEventListener('click', createOperator(eLib[k]))
```

The browser shows the user interface of the calculator. The display shows the number 3. Below the display are four buttons: +, -, *, and /. Below these buttons is a row of two buttons: 0.06 / 3 and Result: 0.02. The browser's console shows the output of the application, including the current result and calculation.

Element	Content	File
currentResultOutput	0	w01_43.js:19
currentCalculationOutput	<h2 class="current-calculation">0</h2>	w01_43.js:19
	0 + 7 = 7	w01_43.js:29
	7 / 6 = 1.17	w01_43.js:29
	1.17 / 5 = 0.23	w01_43.js:29
	0.23 / 4 = 0.06	w01_43.js:29
	0.06 / 3 = 0.02	w01_43.js:29

cef3783 victor_xu

Sat Feb 22 08:31:41 2025 +0800 W01-P3: implement divide button

W01-P4: implement subtract button

index.html JS w01_43.js M w01_43.md M

demo > w01_dom_43 > js > JS w01_43.js > eLib > subtractBtn

```
2 const l = console.log
3
4 const $lib = {
5   userInput: $('input-number'),
6   addBtn: $('btn-add'),
7   subtractBtn: $('btn-subtract'),
8   multiplyBtn: $('btn-multiply'),
9   divideBtn: $('btn-divide'),
10  currentResultOutput: $('current-result'),
11  currentCalculationOutput: $('current-calculation'),
12 }
13
14 const res = {
15   default: 0,
16   current: 0,
17 }
18
19 for (const k in $lib) l(k, $lib[k])
20
21 const getUserInput = () => +$lib.userInput.value
22
23 const createOperator = (cb) => () => {
24   const op1 = res.current
25   const op2 = getUserInput()
26   const [result, process] = cb(op1, op2)
27   $lib.currentResultOutput.textContent = res.current = result
28   $lib.currentCalculationOutput.textContent = process
29   l(`${process} = ${result}`)
30 }
31
32 const eLib = {
33   addBtn: (o1, o2) => [o1 + o2, `${o1} + ${o2}`],
34   subtractBtn: (o1, o2) => [o1 - o2, `${o1} - ${o2}`],
35   // multiplyBtn: (o1, o2) => [o1 * o2, `${o1} * ${o2}`],
36   divideBtn: (o1, o2) => [o2 ? (o1 / o2).toFixed(2), `${o1} / ${o2}`] : [o1, 'can not divide by 0']
37 }
38
39 for (const k in eLib) $lib[k].addEventListener('click', createOperator(eLib[k]))
40
```

The Unconventional Calculator

15

+ - * /

44 - 15

Result: 29

Elements Console Sources Network Performance >>

html

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Console

divideBtn <button type="button" class="btn-divide"></button> w01_43.js:19

currentResultOutput 0 w01_43.js:19

currentCalculationOutput <h2 class="current-calculation">0</h2> w01_43.js:29

0 + 100 = 100 w01_43.js:29

100 - 32 = 68 w01_43.js:29

68 - 24 = 44 w01_43.js:29

44 - 15 = 29 w01_43.js:29

105ffbc victor_xu

Sat Feb 22 08:32:35 2025 +0800 W01-P4: implement subtract butt

W01-P5: implement multiply button

The image shows a web application titled "The Unconventional Calculator". The interface includes a display showing the number 7, a row of buttons (+, -, *, /), and a calculation area showing "360.00 * 7" and "Result: 2520.00".

The code in the background is as follows:

```
1 const $ = (e) => document.querySelector(e)
2 const l = console.log
3
4 const $lib = {
5   userInput: $('input-number'),
6   addBtn: $('btn-add'),
7   subtractBtn: $('btn-subtract'),
8   multiplyBtn: $('btn-multiply'),
9   divideBtn: $('btn-divide'),
10  currentResultOutput: $('.current-result'),
11  currentCalculationOutput: $('.current-calculation'),
12 }
13
14 const res = {
15   default: 0,
16   current: 0,
17 }
18
19 for (const k in $lib) l(k, $lib[k])
20
21 const getUserInput = () => +$lib.userInput.value
22
23 const createOperator = (cb) => () => {
24   const op1 = res.current
25   const op2 = getUserInput()
26   const [result, process] = cb(op1, op2)
27   $lib.currentResultOutput.textContent = res.current = result
28   $lib.currentCalculationOutput.textContent = process
29   l(`${process} = ${result}`)
30 }
31
32 const eLib = {
33   addBtn: (o1, o2) => [o1 + o2, `${o1} + ${o2}`],
34   subtractBtn: (o1, o2) => [o1 - o2, `${o1} - ${o2}`],
35   multiplyBtn: (o1, o2) => [(o1 * o2).toFixed(2), `${o1} * ${o2}`],
36   divideBtn: (o1, o2) => [(o2 ? (o1 / o2).toFixed(2) : `${o1} / ${o2}`)], [o1, 'can']
37 }
38
39 for (const k in eLib) $lib[k].addEventListener('click', createOperator(eLib[k]))
40
```

The console shows the following output:

```
currentResultOutput <span class="current-result">0</span> w01_43.js:19
currentCalculationOutput <h2 class="current-calculation">0</h2> w01_43.js:19
0 + 3 = 3 w01_43.js:29
3 * 4 = 12.00 w01_43.js:29
12.00 + 5 = 60.00 w01_43.js:29
60.00 + 6 = 360.00 w01_43.js:29
360.00 * 7 = 2520.00 w01_43.js:29
```

c3c3202 victor_xu

Sat Feb 22 08:33:17 2025 +0800 W01-P5: implement multiply butt

W01-logs: git logs of W01

vic0627 / 1132-1N-demo-43

Q

Type [/](#) to search

+

<>

Code

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Commits

🔗 master

All users

All time

Commits on Feb 22, 2025

W01-P5: implement multiply button

victor_xu committed now

c3c3202

<>

W01-P4: implement subtract button

victor_xu committed 1 minute ago

105ffbc

<>

W01-P3: implement divide button

victor_xu committed 2 minutes ago

cef3783

<>

Commits on Feb 20, 2025

W01-P2: implement add button

victor_xu committed 2 days ago

4afad54

<>

W01-P1: Create a GitHub repo for 1132 semester

victor_xu committed 2 days ago

3b84d22

<>

first commit

victor_xu committed 2 days ago

6ca054a

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Seeing something unexpected? Take a look at the [GitHub commits guide](#).