

KuanHsun Lan, 208410364

P1-1: Compute salary1

```
File Edit Selection View Go Run Terminal ... p1_64.js - midterm_xx - Visual Studio Code

EXPLORER
  MIDTERM_XX
    > css
    > img
    > js
      classdemo_64.js
      script_64.js
    > midterm_64
      > p1_64
        > css
        > js
          JS p1_64.js
          < p1_64.html
          < p1_64.md
        > p2_64
        > p3_64
        > webfonts
        < index.html

midterm_64 > p1_64 > js > JS p1_64.js > summarySalary1
1 ///////////////////////////////////////////////////
2 /* Compute salary1 */
3 const salary1 = [10000, 30000, 80000, 60000, 100000, 25000];
4
5 let max1 = -99999999;
6 let min1 = 999999999;
7 let total1 = 0;
8 let average1 = 0;
9
10 const summarySalary1 = (salary1) => {
11   salary1.forEach((salary) =>{
12     if(salary > max1) max1 = salary;
13     if(salary < min1) min1 = salary;
14     total1 += salary;
15   });
16   average1 = (total1 / salary1.length).toFixed(1);
17   console.log(`
18     Salary1 summary:
19     Max: ${max1}
20     Min: ${min1}
21     Ave: ${average1}
22   `);
23 };
24
25 summarySalary1(salary1);
26 /*
27 Salary1 summary:
28 Max: 100000
```

Salary1 summary:
Max: 100000
Min: 10000
Ave: 50833.3

DevTools failed to load source map: Could not load content for http://127.0.0.1:5500/midterm_64/p1_64/css/zero-md.min.js.map: HTTP error: status code 404, net::ERR_HTTP_RESPONSE_CODE_FAILURE

GET http://127.0.0.1:5500/midterm_64/p1_64/p1-1.png 404 (Not Found)

GET http://127.0.0.1:5500/midterm_64/p1_64/p1-2.png 404 (Not Found)

GET http://127.0.0.1:5500/midterm_64/p1_64/p1-3.png 404 (Not Found)

P1-2: Compute salary2

```
const computeSalary2 = (salary2) => {
  salary2.forEach((person) => {
    const {name, sex, age, salary} = person;
    summary2.countAll++;
    if(salary > summary2.maxAll) summary2.maxAll = salary;
    if(salary < summary2.minAll) summary2.minAll = salary;
    summary2.totalAll += salary;
    if(sex === "male"){
      summary2.male.count++;
      if(salary > summary2.male.max) summary2.male.max = salary;
      if(salary < summary2.male.min) summary2.male.min = salary;
      summary2.male.total += salary;
    }else if(sex === "female"){
      summary2.female.count++;
      if(salary > summary2.female.max) summary2.female.max = salary;
      if(salary < summary2.female.min) summary2.female.min = salary;
      summary2.female.total += salary;
    }
  });
  summary2.averageAll = (summary2.totalAll / summary2.countAll).toFixed(1);
  summary2.male.average = (summary2.male.total / summary2.male.count).toFixed(1);
  summary2.female.average = (summary2.female.total / summary2.female.count).toFixed(1);
};

const summarySalary2 = (salary2) => {
  console.log(`Susan
  Salary2 Summary:
  CountAll: ${summary2.countAll}
  MaxAll: ${summary2.maxAll}
  MinAll: ${summary2.minAll}
  AveAll: ${summary2.averageAll}
  (male, female) = (${summary2.male.count}, ${summary2.female.count})
  male
  Max: ${summary2.male.max}
  Min: ${summary2.male.min}
  Ave: ${summary2.male.average}
  female
  Max: ${summary2.female.max}
  Min: ${summary2.female.min}
  Ave: ${summary2.female.average}
  `);
};
```

Salary2 Summary:
CountAll: 6
MaxAll: 100000
MinAll: 25000
AveAll: 50833.3
(male, female) = (3, 3)
male
Max: 100000
Min: 10000
Ave: 46666.7
female
Max: 80000
Min: 25000
Ave: 55000.0

P1-3: Show p1_64.md in p1_64.html

```
<script type="module" src="/css/zero-md.min.js"></script>
<div class="md-container">
  <zero-md src="/p1_64.md"></zero-md>
</div>
```

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P1-1: Compute salary1

P1-2: Compute salary2

P1-3: Show p1_xx.md in p1_xx.html

P2: BMI Calculation

```
File Edit Selection View Go ... p2_64.js - midterm_xx - Visual Studio Code
p2_64.html JS p2_64.js X
midterm_64 > p2_64 > JS p2_64.js > calculateBMI
10 return 18.5 * ((height/100) * (height/100));
11 }
12
13 function bmi_normal_high(height) {
14 return 24 * ((height/100) * (height/100));
15 }
16
17 function calculateBMI() {
18 const weight = Number(document.querySelector('#weight').value);
19 const height = Number(document.querySelector('#height').value);
20 //console.log(weight, height);
21 const bmi = bmiCalc_xx(height, weight);
22 const normal_low = bmi_normal_low(height);
23 const normal_high = bmi_normal_high(height);
24
25 let status;
26 let suggestion;
27
28 if(bmi < 18.5){
29 status = 'Underweight';
30 suggestion = `add at least ${((normal_low - weight).toFixed(1))} kg to normal weight`;
31 } else if (bmi <= 24) {
32 status = 'Normal';
33 suggestion = '';
34 } else {
35 status = 'Overweight';
36 suggestion = `reduce at least ${((weight - normal_high).toFixed(1))} kg to normal weight`;
37 }
38
39 bmiResult.innerHTML = `Your BMI is ${bmi.toFixed(1)}. ${status}`;
40 suggest.innerHTML = `${suggestion}`;
41 }
42
43 calculateBtn.addEventListener('click', calculateBMI);
44
```

Bu | lar x +

127.0.0.1:5500/...

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BMI Calculator

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Weight (kg):
85

Height (cm):
175

Calculate

Your BMI is 27.8. Overweight
reduce at least 11.5 kg to normal weight.

Ln 27, Col 1 Spaces: 2 UTF-8 LF JavaScript Port: 5500

P3: Fetch Products from json array

[illegible]

EXPLORER

MIDTERM_XX

js

classdemo_64.js

script_64.js

midterm_64

p1_64

css

js

p1_64.js

p1_64.html

p1_64.md

p1-1.png

p1-2.png

p1-3.png

p2-1.png

p3-1.png

p2_64

p3_64

css

images

js

p3_64.js

product_data.js

global.scss

p3_64.scss

p3_64.html

p3_theme.html

webfonts

index.html

OUTLINE

TIMELINE

p3_theme.html - midterm_xx - Visual Studio Code

midterm_64 > p3_64 > js > .js p3_64.js > ...

```
1 import { data } from './product_data.js';
2
3 const productContainer = document.querySelector('.produ
4
5 console.log('data', data);
6
7 const fetchData = (data) => {
8
9   let products = data.map((item) => { ...
10   }).join('');
11
12   console.log('products', products);
13
14   productContainer.innerHTML = products;
15 }
16
17 document.addEventListener("DOMContentLoaded", () => {
18   fetchData(data);
19 });
```

p3_theme.html

midterm_64 > p3_64 > > p3_theme.html > ...

```
15 <div class="products-container">
16   <div class="single-product">
17     
22     <footer>
23       <h5 class="name">high-back bench</h5>
24       <span class="price">$9.99</span>
25     </footer>
26   </div>
```

127.0.0.1:5500/...

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Elements

html body

Styles Computed Layout Event Listeners

Filter :hov .cls +

Console What's New

Default levels top Filter

1 Issue: 1

DevTools failed to load source map: Could not load content for http://127.0.0.1:5500/midterm_64/p3_64/css/p3_xx.css.map: HTTP error: status code 404, net::ERR_HTTP_RESPONSE_CODE_FAILURE

data p3_64.js:5

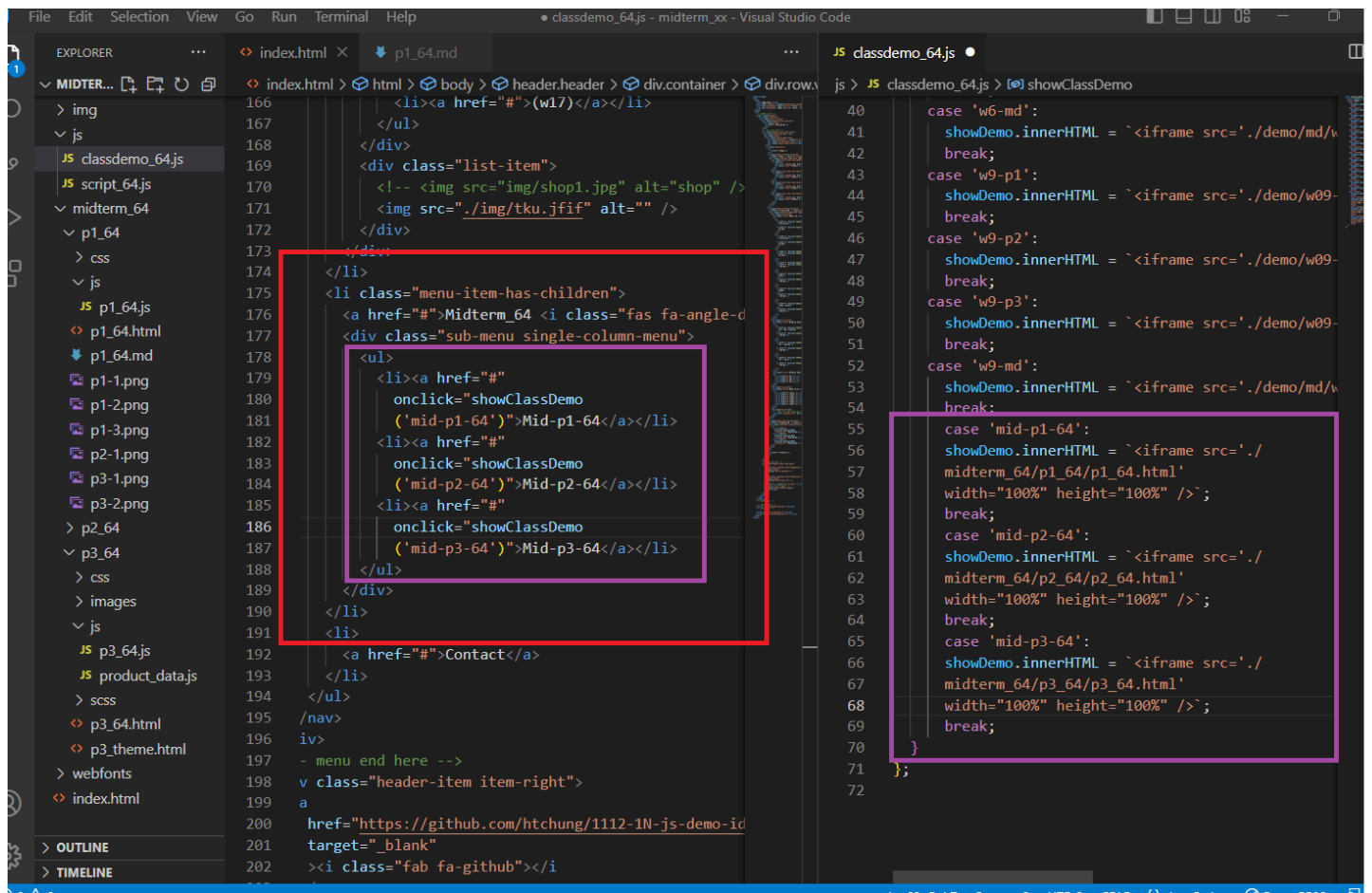
(6) [{"-}, {"-}, {"-}, {"-}, {"-}, {"-}]

products p3_64.js:26

```
<div class="single-product">
  <img
    src=./images/product-1.jpg
    class="single-product-img img"
    alt="high-back bench"
  />
  <footer>
    <h5 class="name">high-back
    bench</h5>
    <span class="price">$ 9.99</span>
  </footer>
</div>

<div class="single-product">
  <img
    src=./images/product-2.jpg
    class="single-product-img img"
    alt="high-back bench"
  />
  <footer>
    <h5 class="name">albany
    table</h5>
    <span class="price">$
    79.99</span>
  </footer>
</div>
```

P4: Use menu to show P1, P2, P3



The image shows a Visual Studio Code editor with two files open: `index.html` and `classdemo_64.js`.

index.html (lines 166-202):

```
166 <li><a href="#"(w17)</a></li>
167 </ul>
168 </div>
169 <div class="list-item">
170 <!-- 
171 
172 </div>
173 </div>
174 </li>
175 <li class="menu-item-has-children">
176 <a href="#">Midterm 64 <i class="fas fa-angle-d
177 <div class="sub-menu single-column-menu">
178 <ul>
179 <li><a href="#"
180 onclick="showClassDemo
181 ('mid-p1-64')">Mid-p1-64</a></li>
182 <li><a href="#"
183 onclick="showClassDemo
184 ('mid-p2-64')">Mid-p2-64</a></li>
185 <li><a href="#"
186 onclick="showClassDemo
187 ('mid-p3-64')">Mid-p3-64</a></li>
188 </ul>
189 </div>
190 </li>
191 <li>
192 <a href="#">Contact</a>
193 </li>
194 </ul>
195 /nav>
196 iv>
197 - menu end here -->
198 v class="header-item item-right">
199 a
200 href="https://github.com/htchung/1112-1N-js-demo-id
201 target="_blank"
202 ><i class="fab fa-github"></i
```

classdemo_64.js (lines 40-72):

```
40 js > JS classdemo_64.js > showClassDemo
41 case 'w6-md':
42 showDemo.innerHTML = `<iframe src='./demo/md/w
43 break;
44 case 'w9-p1':
45 showDemo.innerHTML = `<iframe src='./demo/w09-
46 break;
47 case 'w9-p2':
48 showDemo.innerHTML = `<iframe src='./demo/w09-
49 break;
50 case 'w9-p3':
51 showDemo.innerHTML = `<iframe src='./demo/w09-
52 break;
53 case 'w9-md':
54 showDemo.innerHTML = `<iframe src='./demo/md/w
55 break;
56 case 'mid-p1-64':
57 showDemo.innerHTML = `<iframe src='./
58 midterm_64/p1_64/p1_64.html'
59 width="100%" height="100%" />`;
60 break;
61 case 'mid-p2-64':
62 showDemo.innerHTML = `<iframe src='./
63 midterm_64/p2_64/p2_64.html'
64 width="100%" height="100%" />`;
65 break;
66 case 'mid-p3-64':
67 showDemo.innerHTML = `<iframe src='./
68 midterm_64/p3_64/p3_64.html'
69 width="100%" height="100%" />`;
70 break;
71 }
72 };
```

The HTML code shows a menu structure with a sub-menu for 'Midterm 64' containing three items: 'Mid-p1-64', 'Mid-p2-64', and 'Mid-p3-64'. The JavaScript code defines the `showClassDemo` function, which uses a switch statement to load different content into `showDemo.innerHTML` based on the selected menu item. The cases for 'mid-p1-64', 'mid-p2-64', and 'mid-p3-64' load iframes from the `midterm_64` directory.

Mid_1N_64

Home New ▾ Class Demo ▾ Midterm_64 ▾ Contact



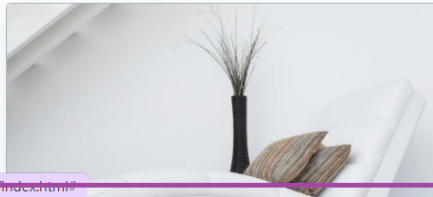
High-Back Bench

\$ 9.99



Albany Table

\$ 79.99



- Mid-P1-64
- Mid-P2-64
- Mid-P3-64

```
<head>...</head>
...ner-section iframe html body ...
Styles Computed Layout >>
Filter :hov .cls +
Console What's New
p3_64.html
Filter
Default levels 2 issues
data Array(6) p3_64.js:5
products p3_64.js:26
  <div class="single-product">
    <img
src=./images/product-1.jpg
class="single-product-img img"
alt="high-back bench"
/>
  <footer>
    <h5
class="name">high-back bench</h5>
    <span
class="price">$ 9.99</span>
  </footer>
</div>
  <div class="single-product">
    <img
src=./images/product-2.jpg
class="single-product-img img"
alt="high-back bench"
/>
  <footer>
```