

LAST log on "2022-05-11"

```
(main)
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-05-10"
ea3f57e Sky001 Wed May 11 21:04:50 2022 +0800 w12-P4 use async /await for w12-P3
a263f85 Sky001 Wed May 11 20:31:28 2022 +0800 w12-P3 use promise addColor(element,time,color) to solve-call back hell in w12-P2
a01af00 Sky001 Wed May 11 19:45:05 2022 +0800 w12-P2 DOM call-back functions demo -- colors change from red (1s), green (2s), blue (1s)
7d36b30 Sky001 Wed May 11 19:19:52 2022 +0800 W12-P1: Making soup demo for Async JavaScript

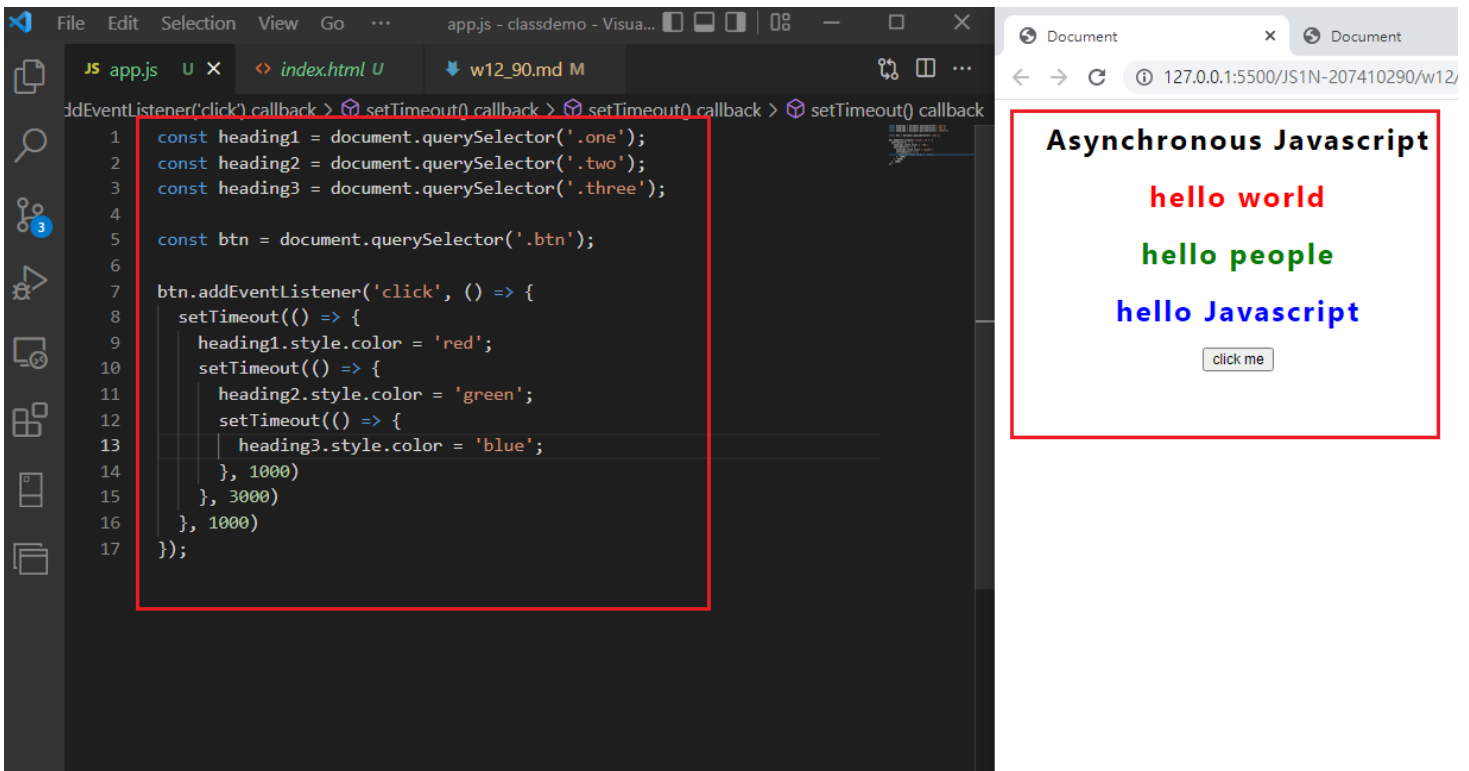
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-05-10"
ea3f57e Sky001 Wed May 11 21:04:50 2022 +0800 w12-P4 use async /await for w12-P3
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7d36b30 Sky001 Wed May 11 19:19:52 2022 +0800 W12-P1: Making soup demo for Async JavaScript
```

W12-P1: Making soup demo for Async JavaScript with log info

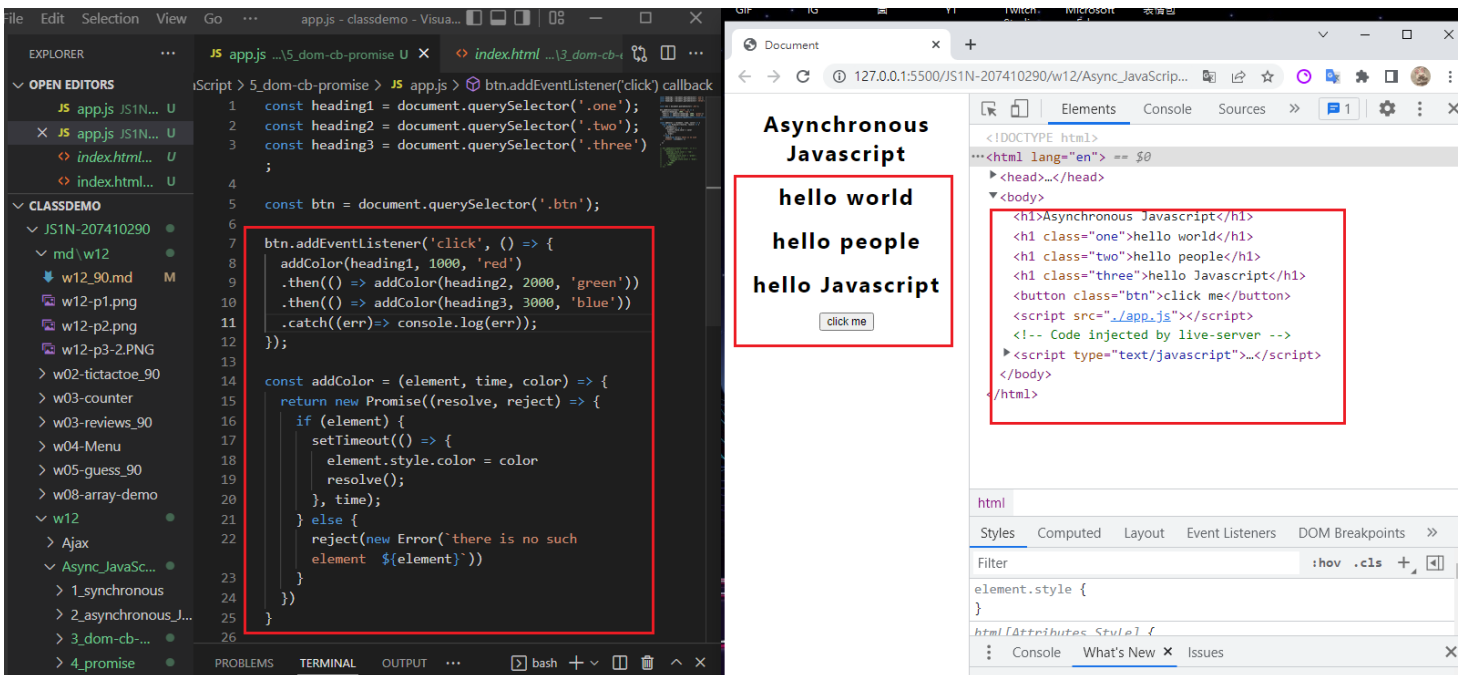
The image shows a development environment with VS Code on the left and Chrome DevTools on the right. In VS Code, the file `w12_90.md` is open, displaying a JavaScript script for making soup. The code includes comments in Chinese and English, and a `boilingWater` function that uses `setTimeout` to simulate asynchronous tasks. The function logs the progress of boiling water, adding carrots, and adding onions. In Chrome DevTools, the 'Console' tab is active, showing the output of the `boilingWater` function. The logs are as follows:

Message	File
boiling...	app.js:13
chop carrots	app.js:10
boiling done.	app.js:16
add carrots	app.js:17
carrots boiling done	app.js:19
add onions	app.js:20
onion boiling done	app.js:22

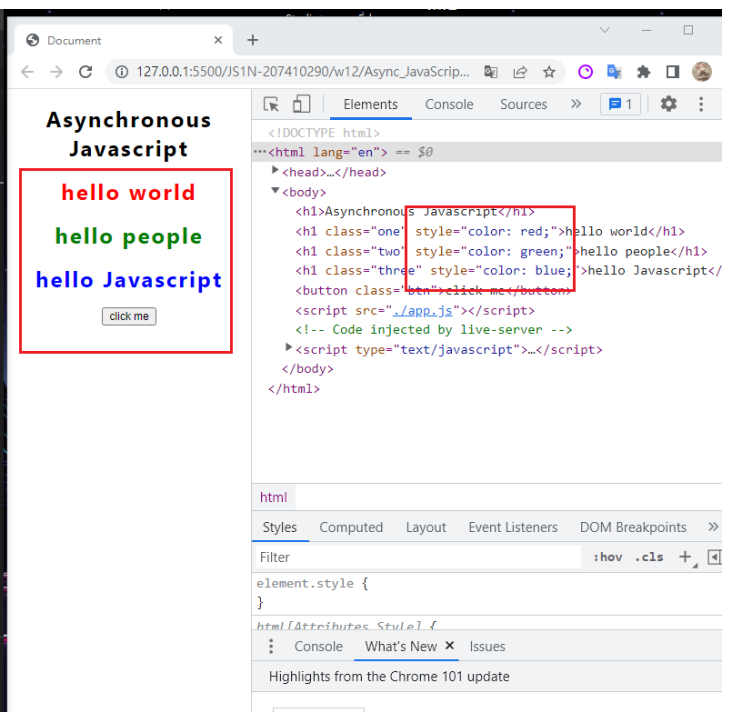
w12-P2 DOM call-back functions demo -- colors change from red (1s), green (2s), blue (1s)



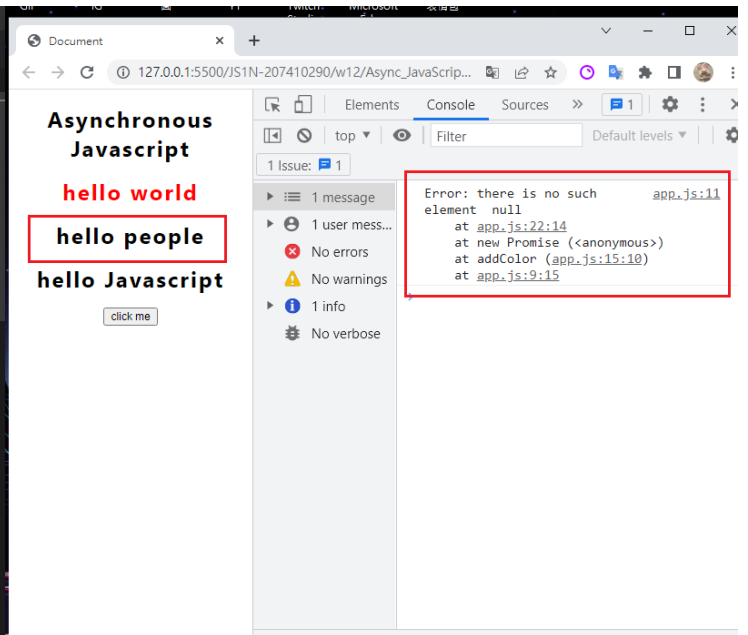
w12-P3 use promise addColor(element,time,color) to solve-call back hell in w12-P2



```
1 const heading1 = document.querySelector('.one');
2 const heading2 = document.querySelector('.two');
3 const heading3 = document.querySelector('.three');
4
5 const btn = document.querySelector('.btn');
6
7 btn.addEventListener('click', () => {
8   addColor(heading1, 1000, 'red')
9   .then(() => addColor(heading2, 2000, 'green'))
10  .then(() => addColor(heading3, 3000, 'blue'))
11  .catch((err) => console.log(err));
12 });
13
14 const addColor = (element, time, color) => {
15   return new Promise((resolve, reject) => {
16     if (element) {
17       setTimeout(() => {
18         element.style.color = color;
19         resolve();
20       }, time);
21     } else {
22       reject(new Error('there is no such element ${element}'));
23     }
24   });
25 }
```



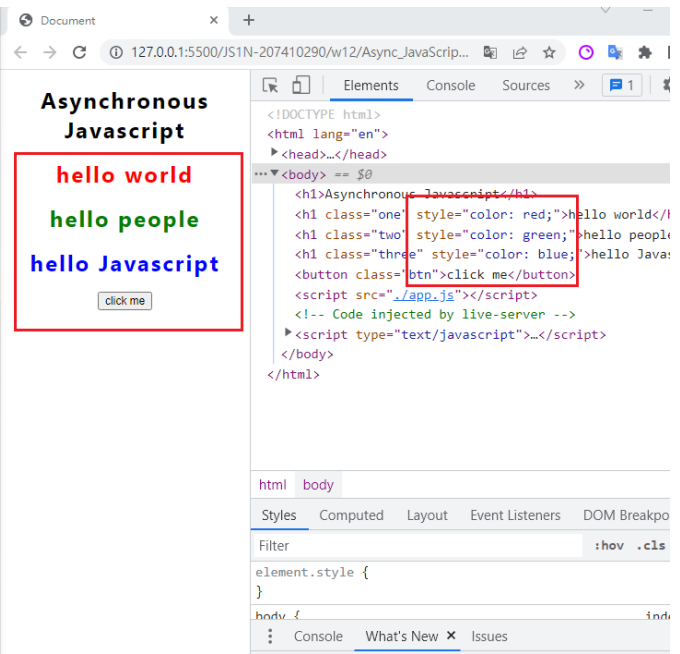
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1 const heading1 = document.querySelector('.one');
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11  .catch((err) => console.log(err));
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14 const addColor = (element, time, color) => {
15   return new Promise((resolve, reject) => {
16     if (element) {
17       setTimeout(() => {
18         element.style.color = color;
19         resolve();
20       }, time);
21     } else {
22       reject(new Error('there is no such element ${element}'));
23     }
24   });
25 }
```



w12-P4 use async /await for w12-P3

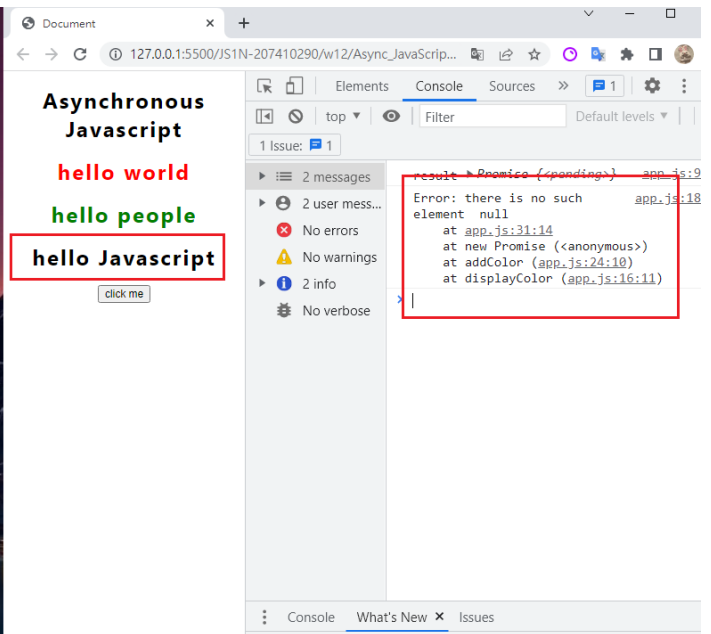
```
File Edit Selection View Go Run ... appjs - classdemo - Visual S...
w12_90.md M JS appjs U X
JS1N-207410290 > w12 > Async_JavaScript > 6_dom-cb-promise > JS appjs > displayColor
1 const heading1 = document.querySelector('.one');
2 const heading2 = document.querySelector('.two');
3 const heading3 = document.querySelector('.three');
4
5 const btn = document.querySelector('.btn');
6
7 btn.addEventListener('click', async() => {
8   const result = displayColor();
9   console.log('result', result)
10 });
11
12 const displayColor = async () => {
13   try {
14     await addColor(heading1, 1000, 'red')
15     await addColor(heading2, 2000, 'green');
16     await addColor(heading3, 3000, 'blue');
17   } catch (err) {}
18   console.log(err);
19 }
20
21 };
22
23 const addColor = (element, time, color) => {
24   return new Promise((resolve, reject) => {
25     if (element) {
26       setTimeout(() => {
27         element.style.color = color
28         resolve();

```



```
File Edit Selection View Go Run ... appjs - classdemo - Visual S...
w12_90.md M JS appjs U X
JS1N-207410290 > w12 > Async_JavaScript > 6_dom-cb-promise > JS appjs > heading3
1 const heading1 = document.querySelector('.one');
2 const heading2 = document.querySelector('.two');
3 const heading3 = document.querySelector('.three');
4
5 const btn = document.querySelector('.btn');
6
7 btn.addEventListener('click', async() => {
8   const result = displayColor();
9   console.log('result', result)
10 });
11
12 const displayColor = async () => {
13   try {
14     await addColor(heading1, 1000, 'red')
15     await addColor(heading2, 2000, 'green');
16     await addColor(heading3, 3000, 'blue');
17   } catch (err) {
18     console.log(err);
19   }
20 }
21
22 };
23
24 const addColor = (element, time, color) => {
25   return new Promise((resolve, reject) => {
26     if (element) {
27       setTimeout(() => {
28         element.style.color = color
29         resolve();

```



w12-P5 fetch people.json with 4 data shown on console, change name to people2.json will result in error