TW-08 GROUP VERSION

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- Icebreaking
- Workshop Activities
  - Questions
- Teamwork Activities
  - Interview Questions
  - Video of the week
  - Case study / project
- Retro meeting

Workshop Activities 90m

- 04 - TR ID Validator

Teamwork Schedule

Ice-breaking 10m

- Personal Questions (Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Ask Questions 30m

1. What is the purpose of the async keyword in JavaScript?

A. To define an asynchronous function.
B. To specify a function that runs synchronously.
C. To create a generator function.
D. To indicate a callback function.

2. In an async function, what does the `await` keyword do?

A. To forcefully stop the function.
B. To pause the function execution until a promise is resolved.
C. Rejects a promise with an error.
D. Cancels the async function.

3. Which of the following is a valid use case for using async/await in JavaScript?

A. Iterating through an array of numbers.
B. Declaring constants.
C. Defining a switch statement.
D. Fetching data from an API.

4. What is the purpose of the Fetch API in JavaScript?

A. To create an array from a function.
B. To manipulate the DOM.
C. To send HTTP requests and receive responses.
D. To define JavaScript functions.

5. When using the Fetch API, what method is used to handle a response and extract JSON data?

A. .text()
B. .json()
C. .response()
D. .xml()

6. Which statement is true about error handling in async/await?

A. Errors are automatically handled by async/await.
B. Use .then() and .catch() to handle errors.
C. Errors in async/await cannot be caught.
D. Use try-catch blocks to catch errors.

7. What is the primary benefit of using async/await over traditional callbacks?

A. Simpler and more readable code
B. Easier handling of errors
C. Smaller bundle size
D. Improved performance

8. What does the setInterval() function do in JavaScript?

A. Halts the execution of the JavaScript code.
B. Delays the execution of a function for a specified time.
C. Executes a function repeatedly at a specified time interval.
D. Sets a timeout for a function to run only once.

9. How do you stop the execution of a function scheduled with setInterval()?

A. Using the return statement in the function.
B. By calling the clearInterval() function with the interval ID.
C. By setting the interval time to 0.
D. By using the break statement.

10. When using clearInterval(), what is the required argument?

A. The function to be cleared.wo
B. The time interval.
C. The DOM element
D. The interval ID returned by setInterval().

11. What is the primary advantage of using Axios over the Fetch API?

A. Simplicity and ease of use.
B. Wider browser support.
C. Smaller bundle size.
D. Better performance.

12. When would 'results shown' be logged to the console?

```
let modal = document.querySelector('#result');
setTimeout(function () {
  modal.classList.remove('hidden');
}, 10000);
console.log('Results shown');
```

A. after 10 second
B. immediately
C. after results are received from the HTTP request
D. after 10000 seconds

13. Why might you choose to make your code asynchronous?

A. to ensure that tasks further down in your code are not initiated until earlier tasks have completed
B. to make your code faster
C. to ensure that the call stack maintains a LIFO (Last in, First Out) structure
D. to start tasks that might take some time without blocking subsequent tasks from executing immediately

14. What is the HTTP verb to request the contents of an existing resource?

A. DELETE
B. PATCH
C. GET
D. CALL

15. Which method call is chained to handle a successful response returned by `fetch()`?

A. done()
B. catch()
C. then()
D. finally()

16. Which statement is applicable to the defer attribute of the HTML <script> tag?

A. defer allows the browser to continue processing the page while the script loads in the background.
B. defer causes the script to be loaded from the backup content delivery network (CDN).
C. defer blocks the browser from processing HTML below the tag until the script is completely loaded.
D. defer lazy loads the script, causing it to download only when it is called by another script on the page.

17. What will be logged to the console?

```
console.log('I');
setTimeout(() => {
  console.log('love');
}, 0);
console.log('Javascript!');
```

- ☐ A.

```
I
Javascript!
love
```

- ☐ B.

```
love
I
Javascript!
```

- ☐ C. The output may change with each execution of code and cannot be determined.
- ☐ D.

```
I
love
Javascript!
```

Interview Questions 30m

1. What is 'callback hell' in the context of using callbacks, and what are its disadvantages?

2. Can you explain what asynchronous programming is?

3. How does async/await help with performance and scalability?

4. What is the purpose of the Promise constructor in JavaScript?

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Coffee Break 10m

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Video of the Week 10m

- Asynchronous Vs Synchronous Programming

Case study/Project 15m

- 05 - Random User

Retro Meeting on a personal and team level 10m

Ask the questions below:

- What went well?
- What could be improved?
- What will we commit to do better in the next week?

Closing 10m

- Next week’s plan
- QA Session
