

TW-006 STUDENT VERSION (Sprint-4 Week-2)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking

5m

- 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.

Team work

5m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions

15m

1. The CSS display: flex sets the flexbox as ____ element.

- A. an invisible element
- B. an inline element
- C. a block-level
- D. a null element

2. What code do you use to make items overflow a flexbox?

- A. flex-wrap: nowrap
- B. flex-wrap: overflow
- C. flex-wrap: none
- D. flex-wrap: wrap

3. In responsive web design, what are breakpoints?

- A. They are browser widths where the web page layout changes once the browser is within the declared range.
- B. They are signals that tell the debugger to temporarily suspend execution of your program at various set points.
- C. They are the widths of sidebars and main content areas of websites.
- D. They are the different device widths.

4. Which one of the following viewport meta tags is the default meta tag that adapts to different devices in responsive web design?

- A. `<meta name="viewport" content="width=device-width, initial-scale=1">`
- B. `<meta name="viewport" content="width=500, initial-scale=1">`
- C. `<meta name="viewport" content="width=1024">`
- D. `<meta name="viewport" content="width=720">`

5. Which property references the DOM object that dispatched an event?

- A. self
- B. object
- C. target
- D. source

6. What is the name of a function whose execution can be suspended and resumed at a later point?

- A. Generator function
- B. Arrow function
- C. Async/ Await function
- D. Promise function

7. For the following class, how do you get the value of 42 from an instance of X?

```
class X {  
  get Y() { return 42; }  
}
```

- A. `x.get('Y')`
- B. `x.Y`
- C. `x.Y()`
- D. `x.get().Y`

8. Why is it usually better to work with Objects instead of Arrays to store a collection of records?

- A. Objects are more efficient in terms of storage.
- B. Adding a record to an object is significantly faster than pushing a record into an array.
- C. Most operations involve looking up a record, and objects can do that better than arrays.
- D. Working with objects makes the code more readable.

9. The following program has a problem. What is it?

```
var a;  
var b = (a = 3) ? true: false
```

- A. The condition in the ternary is using the assignment operator.
- B. You can't define a variable without initializing it.
- C. You can't use a ternary in the right-hand side of an assignment operator.
- D. The code is using the deprecated var keyword.

10. Which keyword is used to create an error?

- A. throw
- B. exception
- C. catch
- D. error

11. What type of scope does the end variable have in the code shown?

```
var start = 1;  
if (start === 1) {  
  let end = 2;  
}
```

- A. conditional
- B. block
- C. global
- D. function

12. What can we attach to DOM elements in order to respond to events in the system?

- A. Event Handlers
- B. Event Listeners
- C. Event Processors
- D. Event Coordinators

13. The following example uses what type of function to handle an event?

```
element.addEventListener('click', function(event){});
```

- A. named function
- B. inline function
- C. anonymous function
- D. arrow function

14. Every node in the DOM represents what?

- A. a link
- B. a section
- C. a view
- D. an HTML element

15. What method allows us to add an attribute to a DOM element?

- A. element.getAttribute()
- B. element.createAttribute()
- C. element.setAttribute()
- D. element.makeAttribute()

Interview Questions**15m****1. What is JavaScript 'Strict Mode'?****2. What is the difference between 'var' and 'let' keyword?****3. What is the use of the 'debugger' keyword in JavaScript code?****4. What is JavaScript Hoisting?****5. How Are Event Handlers Used in JavaScript?****6. Is JavaScript a pass-by-reference or pass-by-value language?****7. How will you empty an array in JavaScript?****Coding Challenge****20m**

You are expected to solve the "JavaScript Coding Challenge" with both JavaScript and Python.

- [Coding Challenge: CSS Grid \(JS -004\)](#)



Coffee Break

10m



Video of the Week

5m

- [A day in the life of a Google Software Engineer](#)

Retro Meeting on a personal and team level

5m

Ask the questions below:

- What went well?
- What went wrong?
- What is the improvement areas?

Case study/Project

15m

Case study should be explained to the students during the weekly meeting and has to be completed in one weeks by the students. Students should work in small teams to complete the case study.

- [Sass Project:\(HC - 006\)Web Site](#)

Closing

5m

-Next week's plan

-QA Session
