

# JS CALENDAR

HUGO, KIM, MARC & RICARD

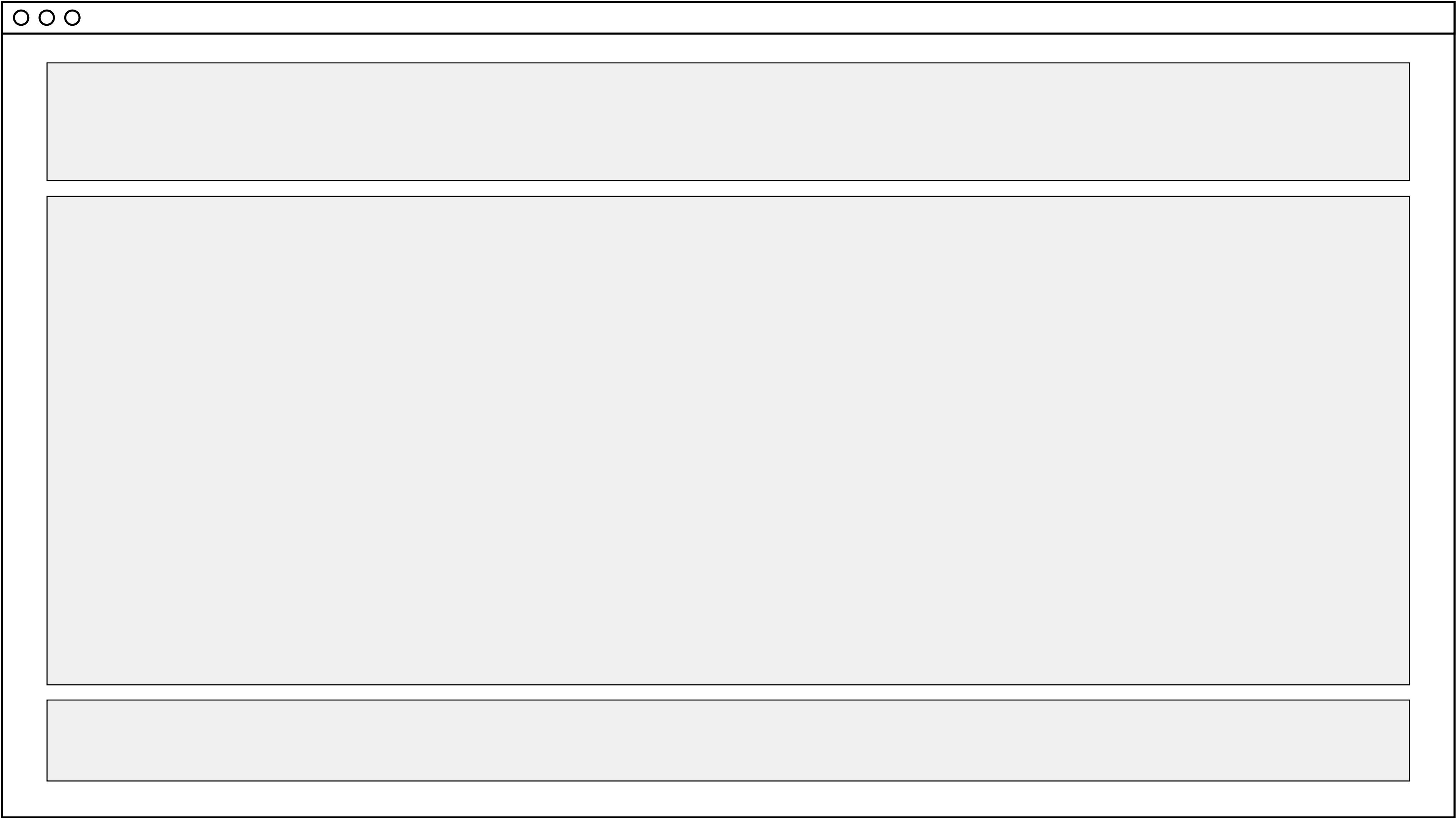
# INITIAL APPROACH

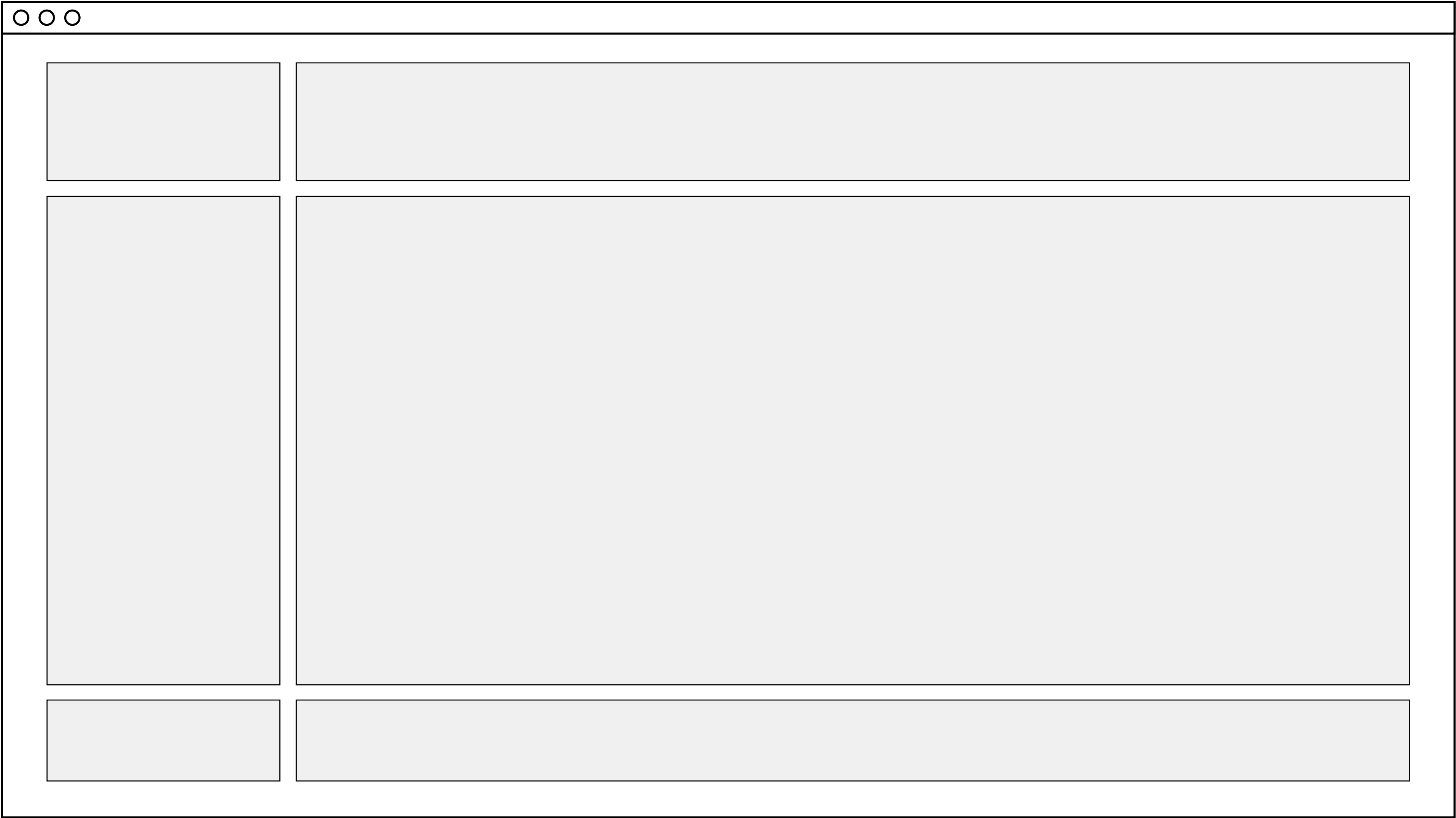
- Requirements
- Trello tasks
- Layout first
- Calendar/Modal
- Mobile first
- Local Storage/JSON
- GIT Standard (D/F)

# PHASE 1

**PHASE 1**

DESIGN





○ ○ ○

JS Calendar

APRIL 2021

Add event

<

>

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
30	31 <div>Meeting #2</div>	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

● Work

○ Sport

○ Travel

○ Meeting #2

Meeti |

x

Type

Initial date

Tuesday, 7th April, 9:15am

● End date

Tuesday, 7th April, 12:00am

○ Reminder

5min

Description

Create

Cancel

**General lines** 2px solid black

**h2** TextArea Semibold (fontWeight) 60px

**h5** Dropdown Light (fontWeight) 26px

**Disabled elements** Black (5% alpha)

**Description** Black (5% alpha) Light (fontWeight) 26px

**Modal button** Semibold (fontWeight)

**Cancel/Remove button** rgb(210, 43, 65)



# PHASE 1

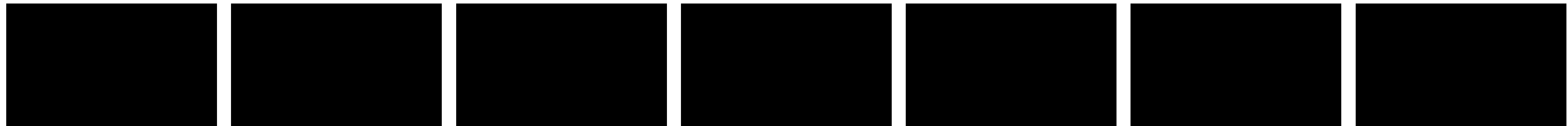
CALENDAR  
GRID

- Columns?
- Rows?
- Initial weekday?
- Month length?

- Columns?
- Rows?
- Initial weekday?
- Month length?



//Monday col-start:0	//Tuesday col-start:1	//Wednesday col-start:2	//Thursday col-start:3	//Friday col-start:4	//Saturday col-start:5	//Sunday col-start:6
-------------------------	--------------------------	----------------------------	---------------------------	-------------------------	---------------------------	-------------------------



	//Monday col-start:0	//Tuesday col-start:1	//Wednesday col-start:2	//Thursday col-start:3	//Friday col-start:4	//Saturday col-start:5	//Sunday col-start:6
//Week 1 row-start: 0							
//Week 2 row-start: 1							
//Week 3 row-start: 2							
//Week 4 row-start: 3							
//Week 5 row-start: 4							

	//Monday col-start:0	//Tuesday col-start:1	//Wednesday col-start:2	//Thursday col-start:3	//Friday col-start:4	//Saturday col-start:5	//Sunday col-start:6
//Week 1 row-start: 0							
//Week 2 row-start: 1							
//Week 3 row-start: 2							
//Week 4 row-start: 3							
//Week 5 row-start: 4							
//Week 6 row-start: 5							

- Columns?
- Rows?
- Initial weekday?
- Month length?



```
// Get weekday of 1st  
var firstDay = new Date(Year, Month-1, 1).getDay();
```

//Monday  
col-start:0

//Tuesday  
col-start:1

//Wednesday  
col-start:2

//Thursday  
col-start:3

//Friday  
col-start:4

//Saturday  
col-start:5

//Sunday  
col-start:6


//Monday col-start:0	//Tuesday col-start:1	//Wednesday col-start:2	//Thursday col-start:3	//Friday col-start:4	//Saturday col-start:5	//Sunday col-start:6

- Columns?
- Rows?
- Initial weekday?
- Month length?

```
// Get month's length  
var monthLength = new Date(Year, Month, 0).getDate();
```

//Monday  
col-start:0

//Tuesday  
col-start:1

//Wednesday  
col-start:2

//Thursday  
col-start:3

//Friday  
col-start:4

//Saturday  
col-start:5

//Sunday  
col-start:6


//Monday  
col-start:0

//Tuesday  
col-start:1

//Wednesday  
col-start:2

//Thursday  
col-start:3

//Friday  
col-start:4

//Saturday  
col-start:5

//Sunday  
col-start:6






MODALS

**PHASE 1**

# Title

x

Type

**Initial date**

Tuesday, 7th April. 9:15am

☒ **End date**

Tuesday, 7th April. 12:00am

☐ **Reminder**

5min

☒ **Description**

Create

Cancel

Title

Type

Initial date

Tuesday, 7th April. 9:15am

● End date

Tuesday, 7th April. 12:00am

○ Reminder

5min

● Description

Create

Cancel

```
function getEvent(e){  
  event = {  
    id: e.id,  
    title: e.title,  
    type: e.type,  
    start: e.start,  
    end: e.end,  
    desc: e.desc  
  };  
};
```

# Meeting #2 x

Work

## Initial date

Tuesday, 7th April, 9:15am

## End date

Tuesday, 7th April, 12:00am

Accept

Remove

Getting event properties  
by its ID

# PHASE 2

# PHASE 2

## LOCAL STORAGE

```
// Get all events' objects
var events = JSON.parse(localStorage.getItem("allEvents"));
var eventIndex = JSON.parse(localStorage.getItem("index"));

// Console log
events = [
    {eventObject0}, // id, title, type, start, end, ...
    {eventObject1}, // id, title, type, start, end, ...
    {eventObject2}, // id, title, type, start, end, ...
    {eventObject3}, // id, title, type, start, end, ...
    {eventObject4}, // id, title, type, start, end, ...
    {eventObject5}  // id, title, type, start, end, ...
];
```

```
// Get all events' objects
var reminders = JSON.parse(localStorage.getItem("reminders"));

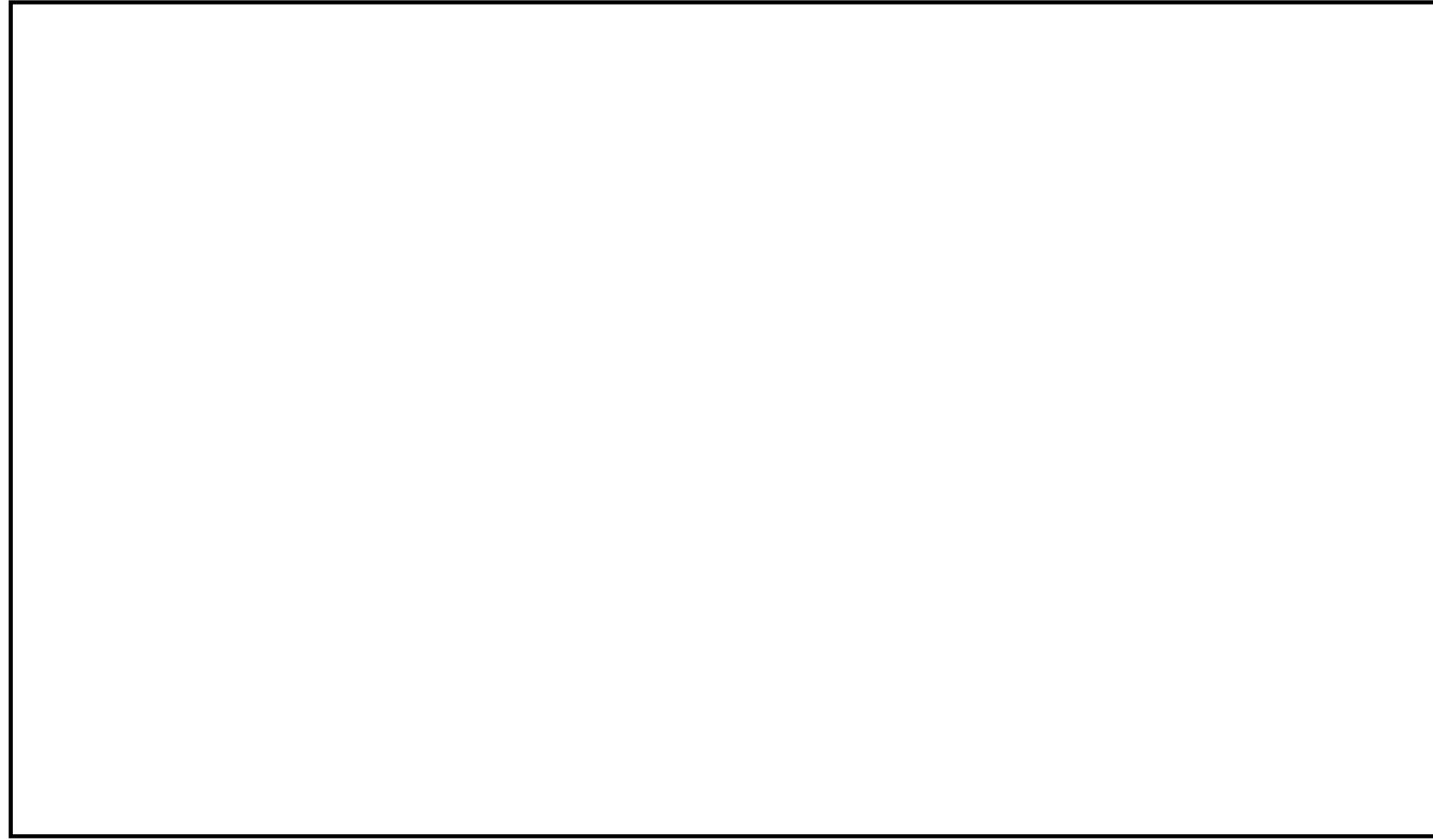
// Console log
reminders = [
    {eventReminder0}, // id, reminder, flag
    {eventReminder1}, // id, reminder, flag
    {eventReminder2}, // id, reminder, flag
    {eventReminder3}, // id, reminder, flag
    {eventReminder4}, // id, reminder, flag
    {eventReminder5}, // id, reminder, flag
];
```



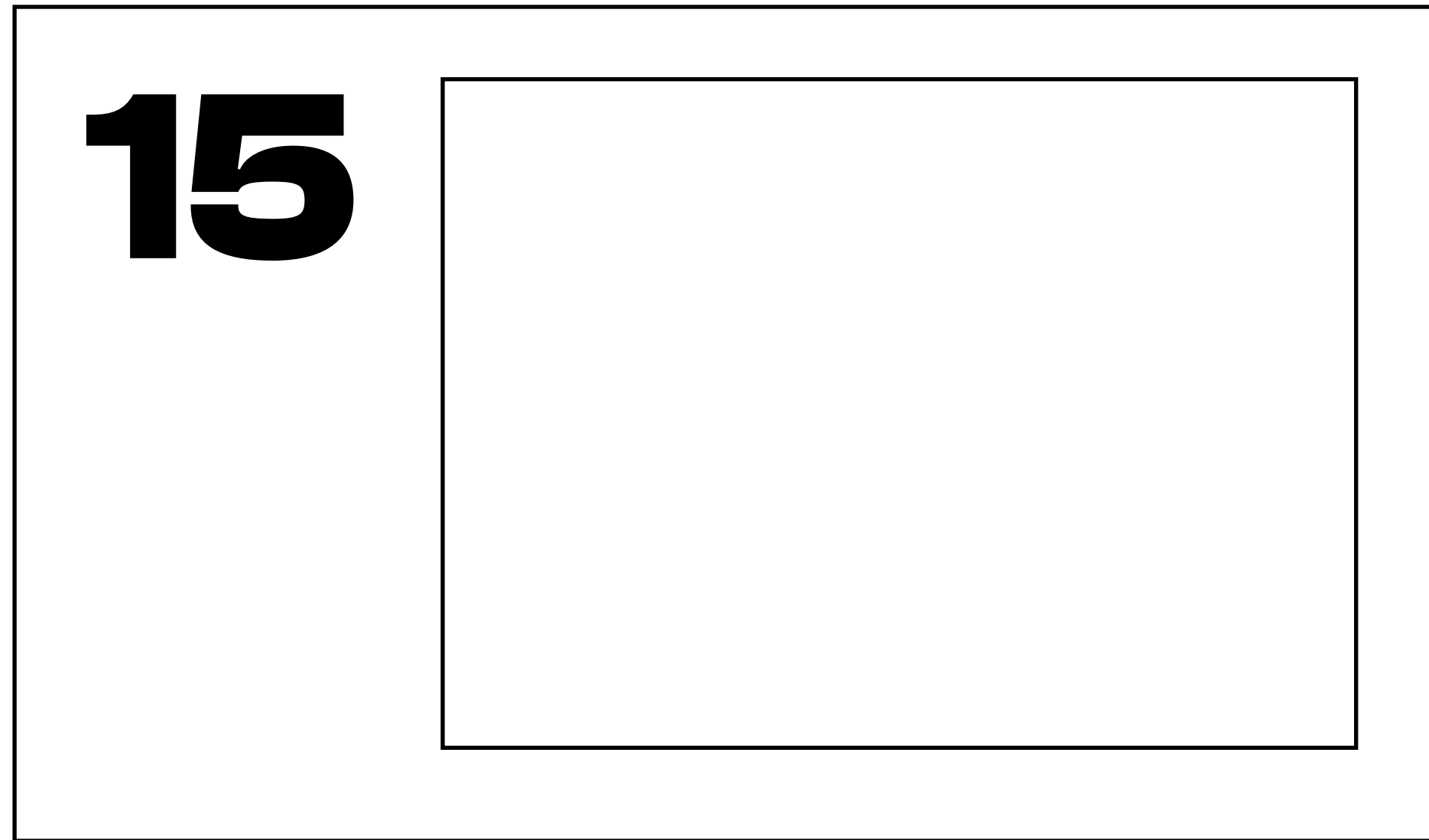
# PHASE 2

ADDING  
EVENTS

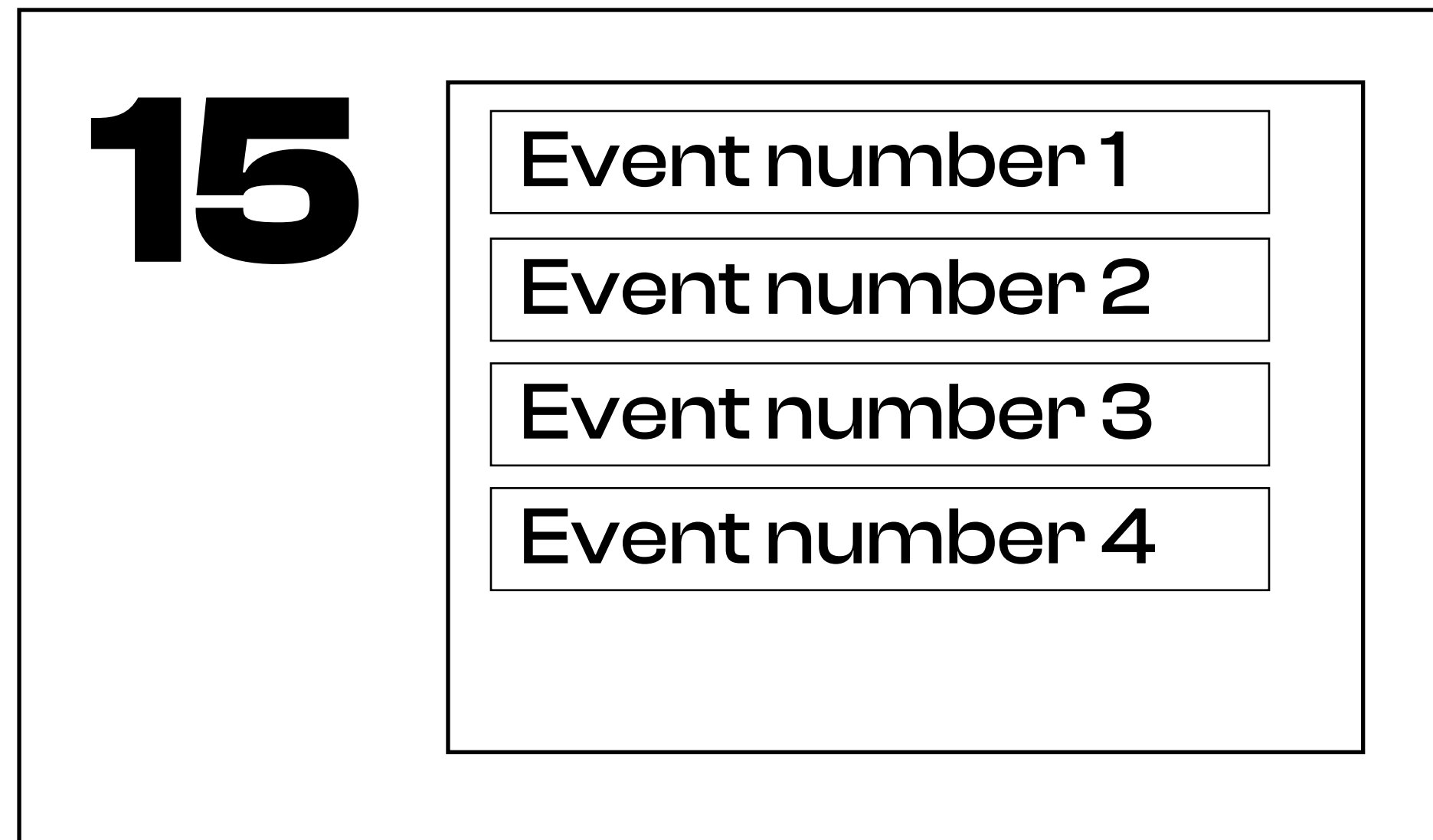
// Day div



// Day div



*// Day div*



*// Initial array*

```
var events = JSON.parse(localStorage.getItem("allEvents"));
```

```
// Initial array  
var events = JSON.parse(localStorage.getItem("allEvents"));  
  
// Sorting by time  
events.sort(function(a, b){  
    return a.start.milliseconds - b.start.milliseconds;  
});
```

```
// Initial array
var events = JSON.parse(localStorage.getItem("allEvents"));

// Sorting by time
events.sort(function(a, b){
    return a.start.milliseconds - b.start.milliseconds;
});

// Getting all months
var monthEvents = events.filter(getMonthEvents);
```

```
// Initial array
var events = JSON.parse(localStorage.getItem("allEvents"));

// Sorting by time
events.sort(function(a, b){
    return a.start.milliseconds - b.start.milliseconds;
});

// Getting all months
var monthEvents = events.filter(getMonthEvents);

// Adding divs
monthEvents.forEach(function(ev){
    let newEventDiv = document.createElement("div");
    ...
})
```



//dayDiv  
**#day15**

//dayDiv  
**#day16**

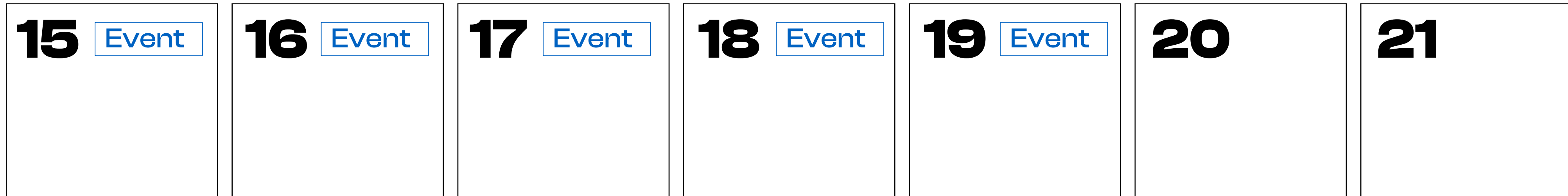
//dayDiv  
**#day17**

//dayDiv  
**#day18**

//dayDiv  
**#day19**

//dayDiv  
**#day20**

//dayDiv  
**#day21**



*// Creating a div for each day*  
*var **dayDiff** = endDay - startDay;*

```
for (let d=0; d<=dayDiff; d++){  
    createEventDiv(dayID+d);  
};
```

- **Work** // *true*
- **Sport** // *true*
- **Music** // *true*
- **Other** // *true*

// *Day div*

**15**

Event number 1

Event number 2

Event number 3

Event number 4

- **Work** // *true*
- **Sport** // *false*
- **Music** // *true*
- **Other** // *false*

// *Day div*

15

Event number 1

Event number 3

- Work
- Sport
- Music
- Other

// Day div

15

Event number 1

Event number 2

Event number 3

Event number 4

# PHASE 2

REMINDER  
& EXPIRED

*// Initial array*

```
var reminders = JSON.parse(localStorage.getItem("allReminders"));
```

*// Setting reminder*

```
var reminder = setTimeout(function(eventId){  
    setReminder(eventId),  
    }, eventEndDate - eventReminder);
```

*// Parsed reminders*

var **reminders** = JSON.**parse**(localStorage.**getItem**("allReminders"));

*// Append reminder*

reminders.**push**(**reminder**);

*// Set it on localStorage*

JSON.**stringify**(localStorage.**setItem**("allReminders"));

JS  
Calendar

April 2021

Add Event

<

>

Expired Events

Conference#3  
Concert#2

Reminders

Concert#3 expires in 5 minutes  
Conference#4 expires in 5 minutes  
Meeting#2 expires in 5 minutes

Work

Sport

Music

Other

Mon

Tue

Wed

Thu

Fri

Sat

Sun

29

30

31

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

1

2

Application

Manifest

Service Worker

Storage

Cache

Background Services

Frames

Filter

Key

Value

localEventInfo

localReminderInfo

eventIndex

5

▼ [{eventId: 6, reminder: "5", flag: true}, {eventId: 3, reminder: "5", flag: true},...]

▶ 0: {eventId: 6, reminder: "5", flag: true}

▶ 1: {eventId: 3, reminder: "5", flag: true}

▶ 2: {eventId: 4, reminder: "5", flag: true}



```
// Calculate expired
allEvents.forEach(function(event){
    if (event.endDate < currentDate){
        // Div on sidebar
        let expiredEvent = document.createElement("div");
        // Mark on calendar
        event.style.color = "red";
    });
});
```

**PHASE 2**

RESPONSIVE



JS Calendar

# May 2021

Add Event



Expired Events

Reminder

- Work
- Sport
- Music
- Other

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
26	27	28	29	30	1	2 • Medical
3	4	5	6 • Primavera	7 • Primavera	8 • Primavera	9 • Primavera
10 • Primavera	11 • Primavera • Marathon	12 • Primavera • Marathon	13 • Marathon	14 • Marathon	15 • Marathon	16
17	18 • Conference	19 • Conference	20 • Conference	21 • Conference	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

JS Calendar

April 2021

Add Event

<

>

Mon	Tue	Wed	Thu	Fri	Sat	Sun
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2

Work

Sport

Music

Other

JS Calendar

May 2021

<

>

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

+

# THINGS TO WORK ON

- Queries issues
- More features
- Edit events
- Color themes
- Add more types
- "Today" button

**THANK YOU**