

TEST YOUR REFLEXES

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Wednesday, April 7th

Description

- **Test your reflexes**
- **3 screens**
 - Start button
 - Stop button
 - Track seconds
- **Top 5 users sidebar**

W O R K F L O W

G O A L S

BASICS

How many screens?

How many elements?

JS Funcionality.

How to store all users?

Search “localStorage”

BASICS

How many screens?
How many elements?
JS Funcionality.

How to store all users?
Search “localStorage”

WHISHLIST

Responsive
Stopwatch
Scroll with all users
Random position
Levels of speed
Light/dark style

P L A N N I N G

Planning

- Define DOM
- Structure HTML
- Style elements
- Generic JS
- (...)
- Link nodes & functions
- Wishlist

W I R E F R A M E S

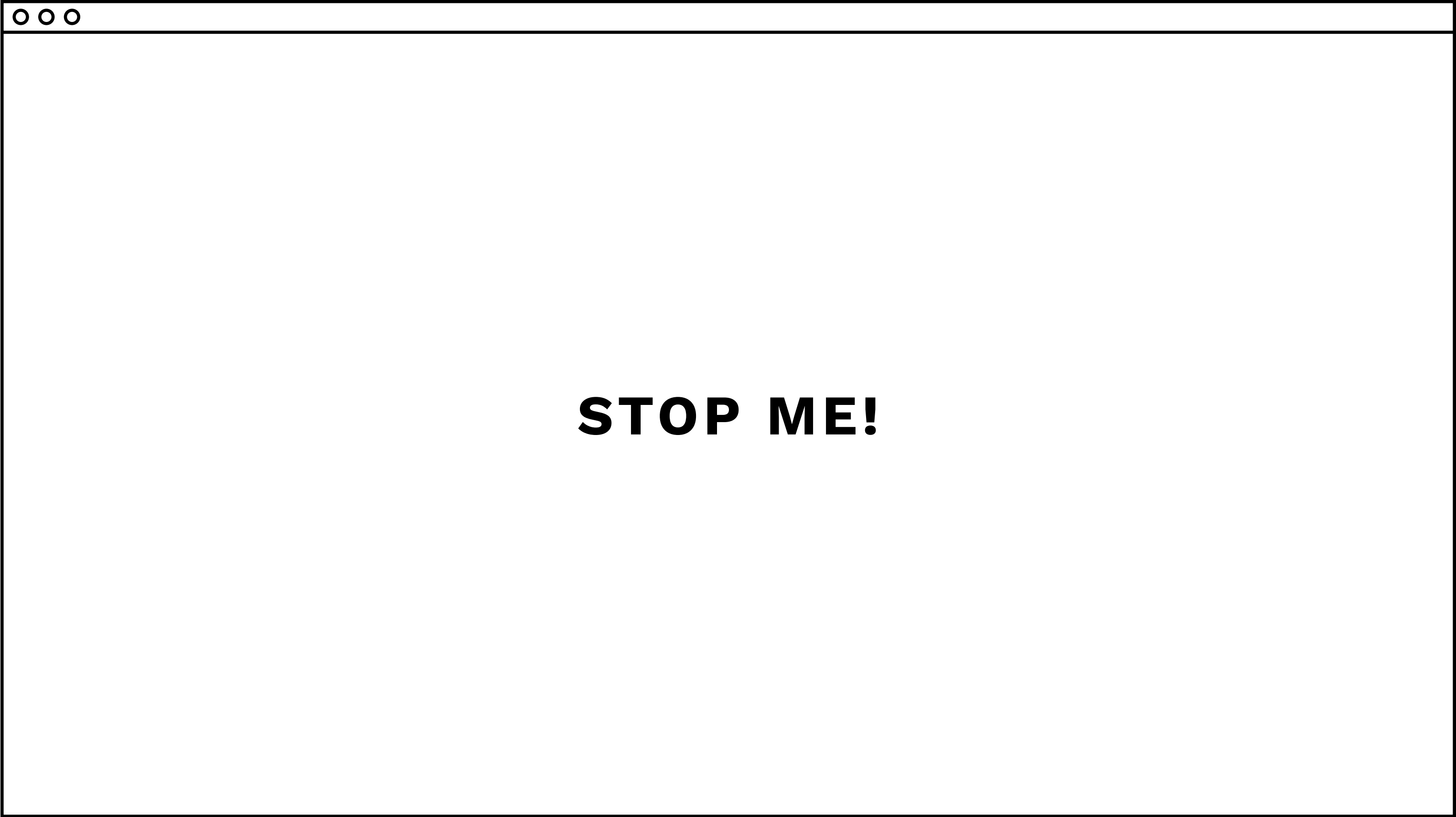
Login

○ ○ ○

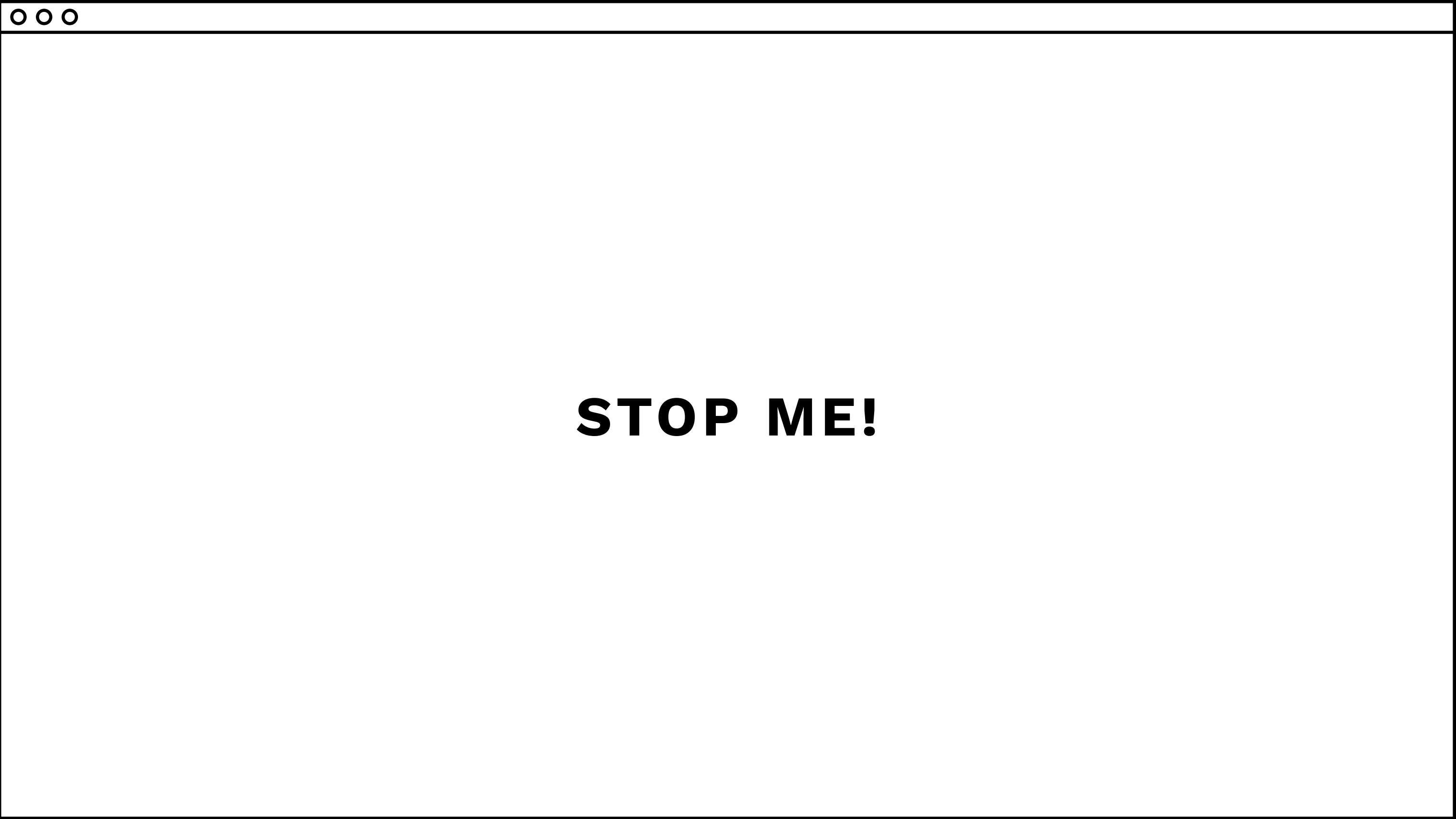
USER NAME

START

Game



Game



Result

○○○

YOUR SCORE

AGAIN

LOGIN

GAME

RESULTS

○○○

USER NAME

LOG

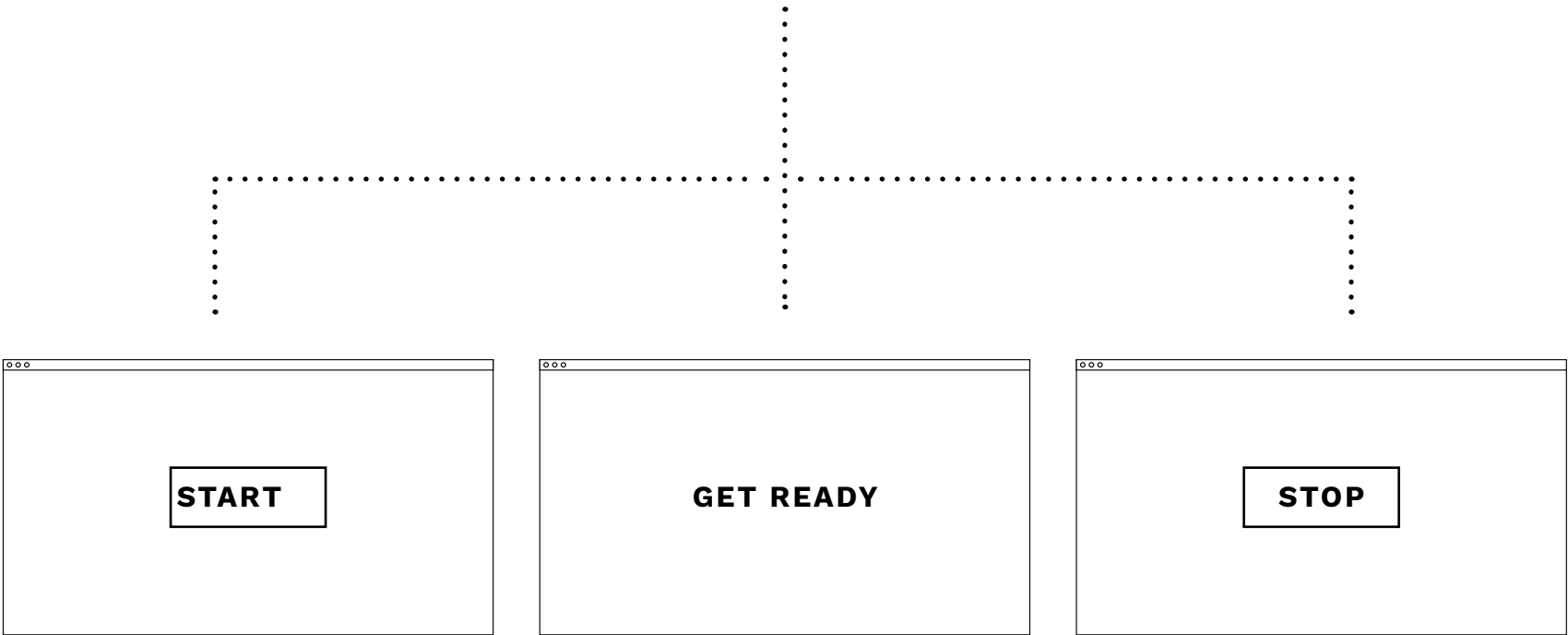
○○○

STOP ME!

○○○

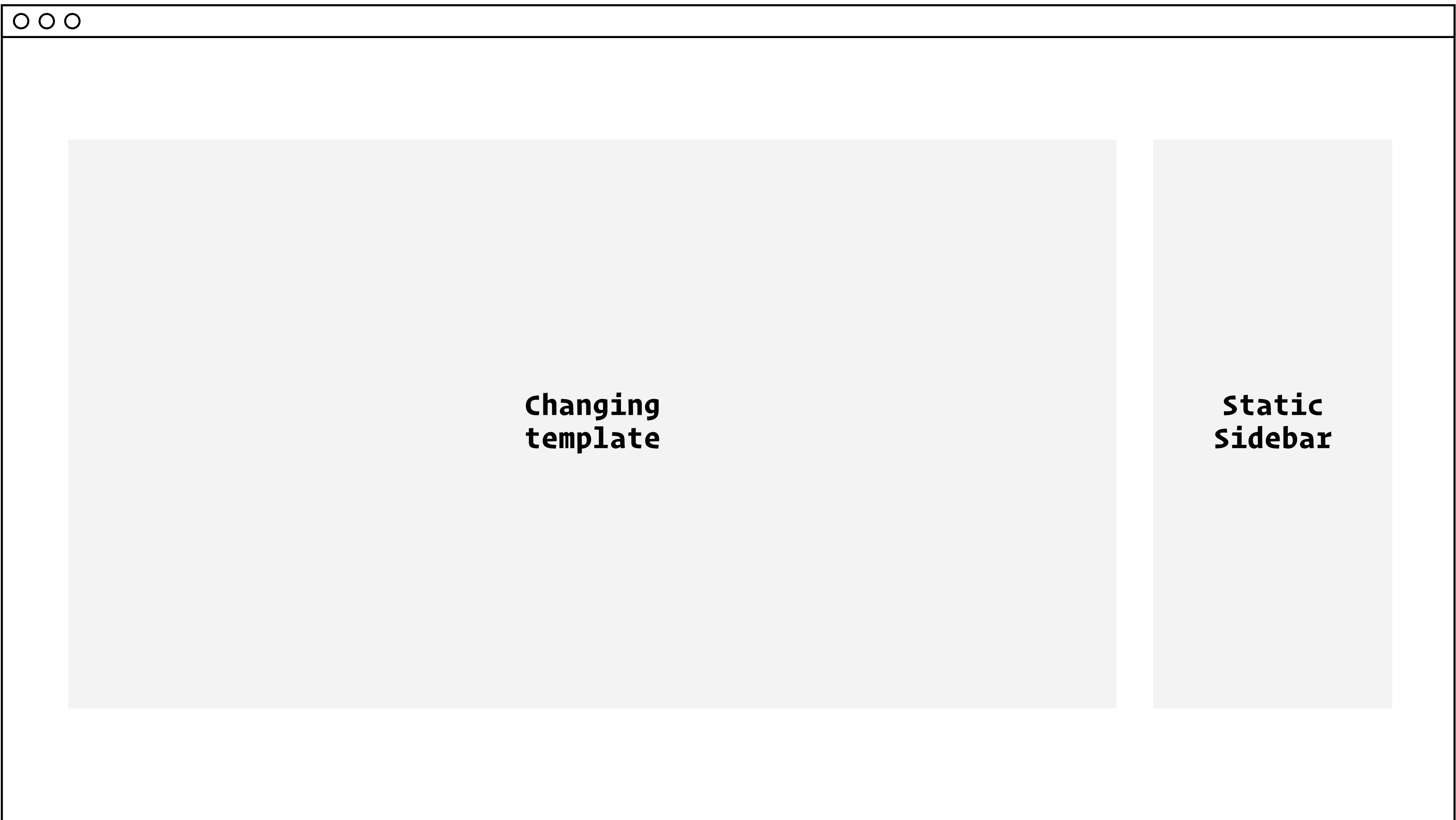
YOUR SCORE

AGAIN



F U N C T I O N A L I T I E S

T E M P L A T E S



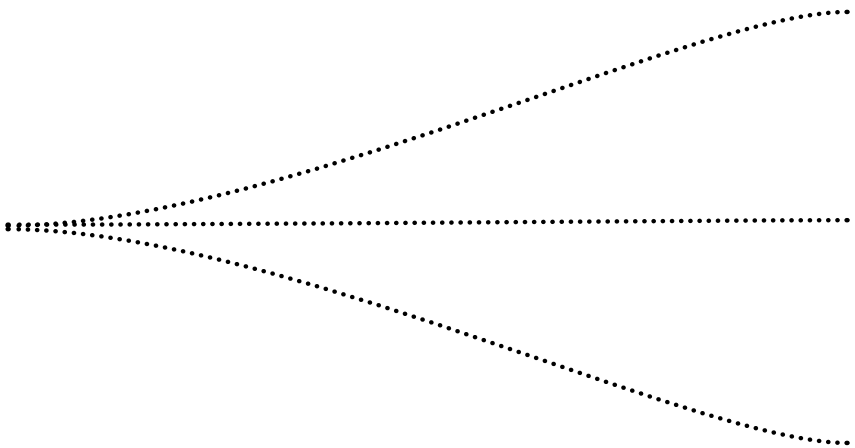
<body>

<!-- Empty block -->

<div id="leftDiv">



Template content



<template id="login"></template>

<template id="game"></template>

<template id="result"></template>

</div>

<!-- Sidebar -->

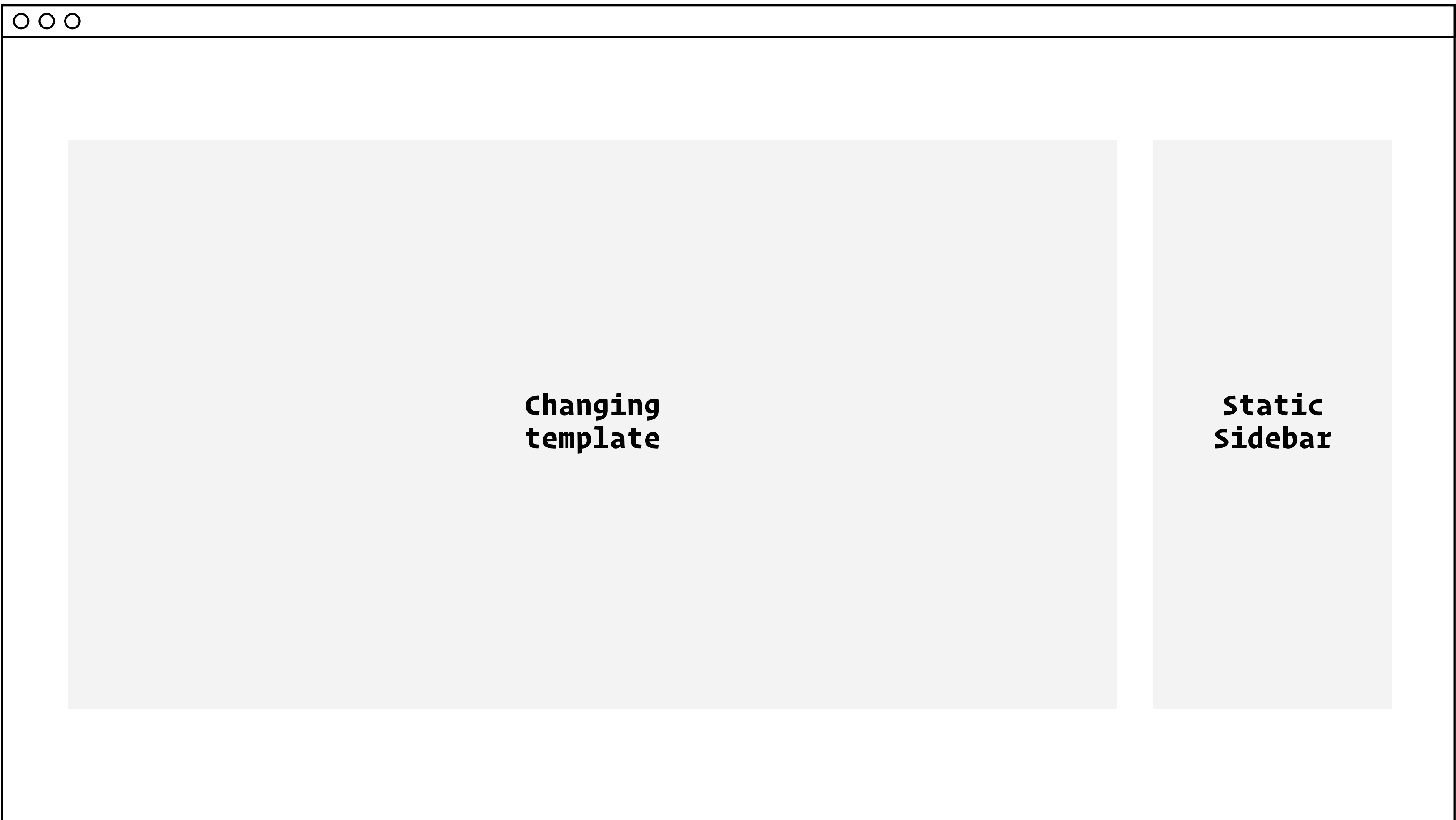
<div id="sidebarDiv">

<div id="sidebarContent"></div>

</div>

</body>

T R A N S I T I O N S



**Changing
template**

**Static
Sidebar**

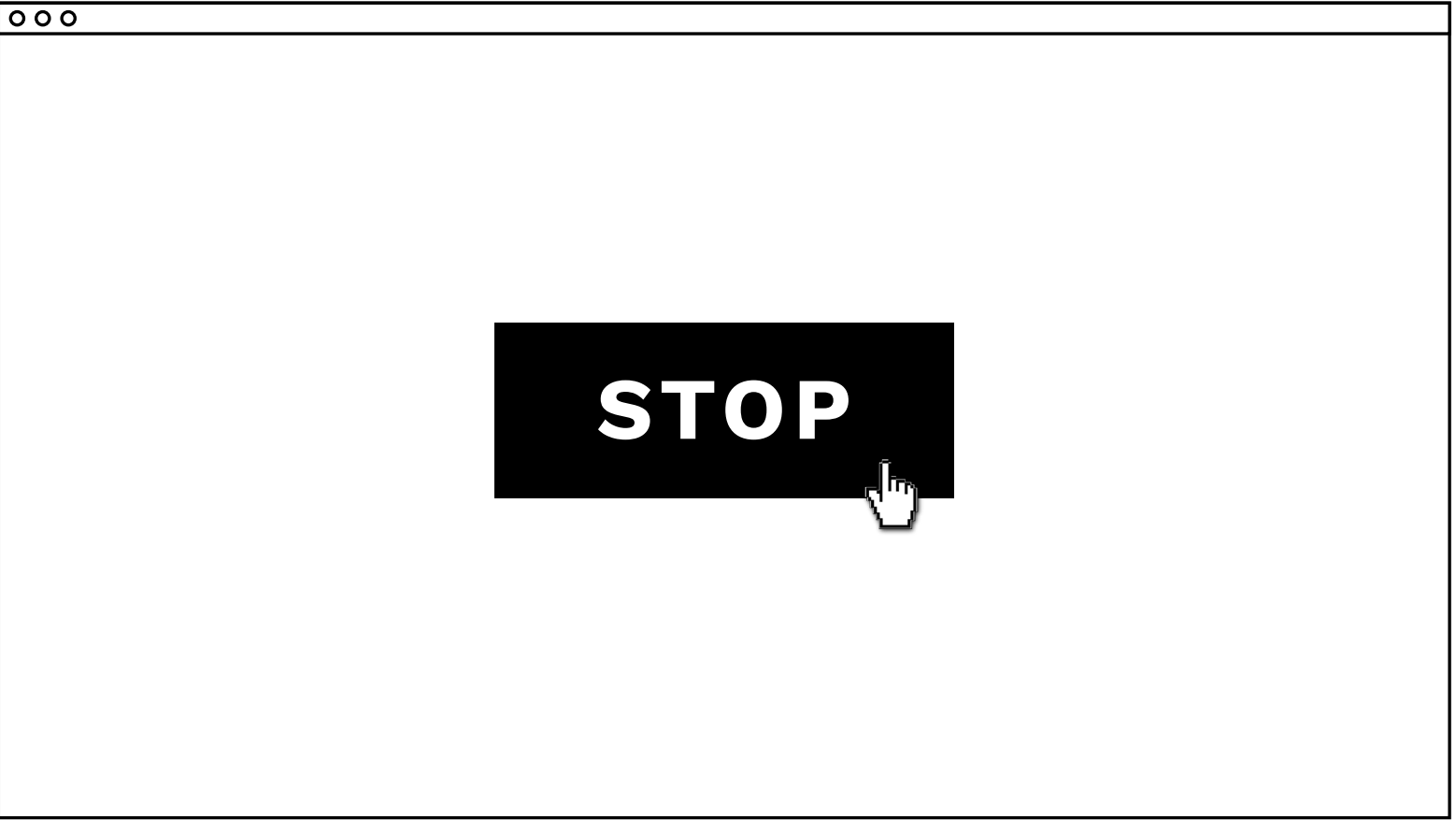
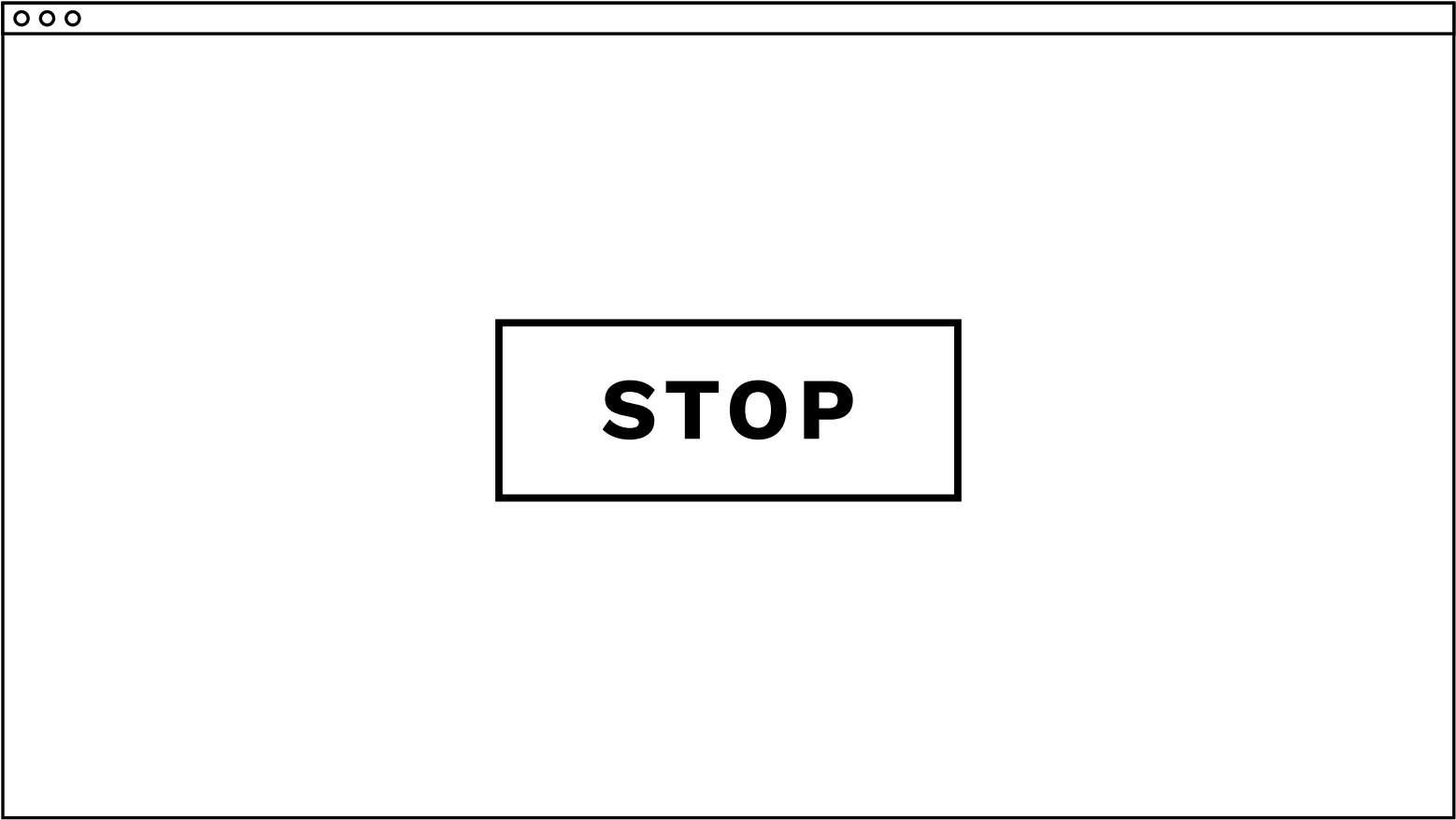


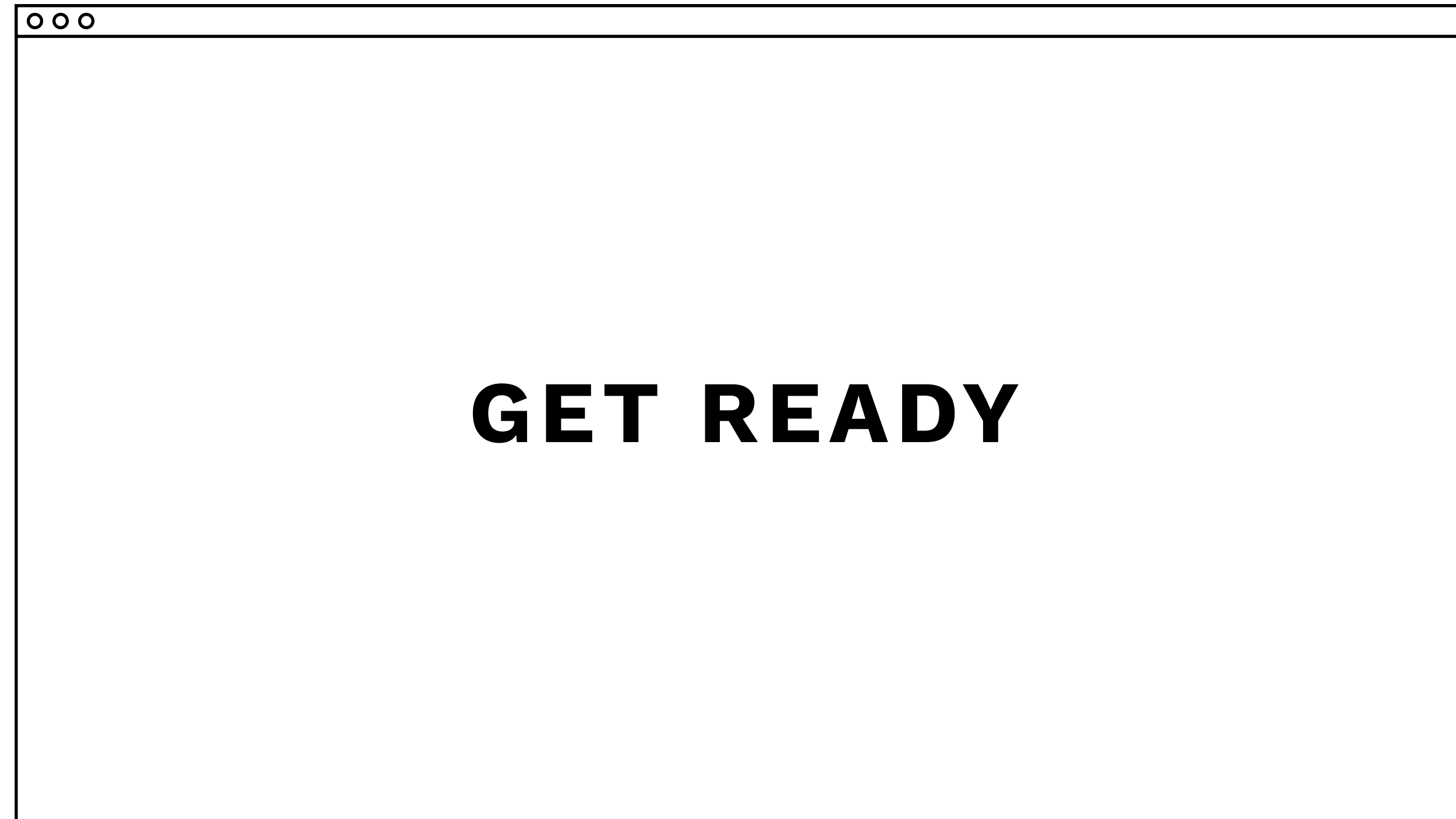
**Changing
template**

**Stati
Sideb**

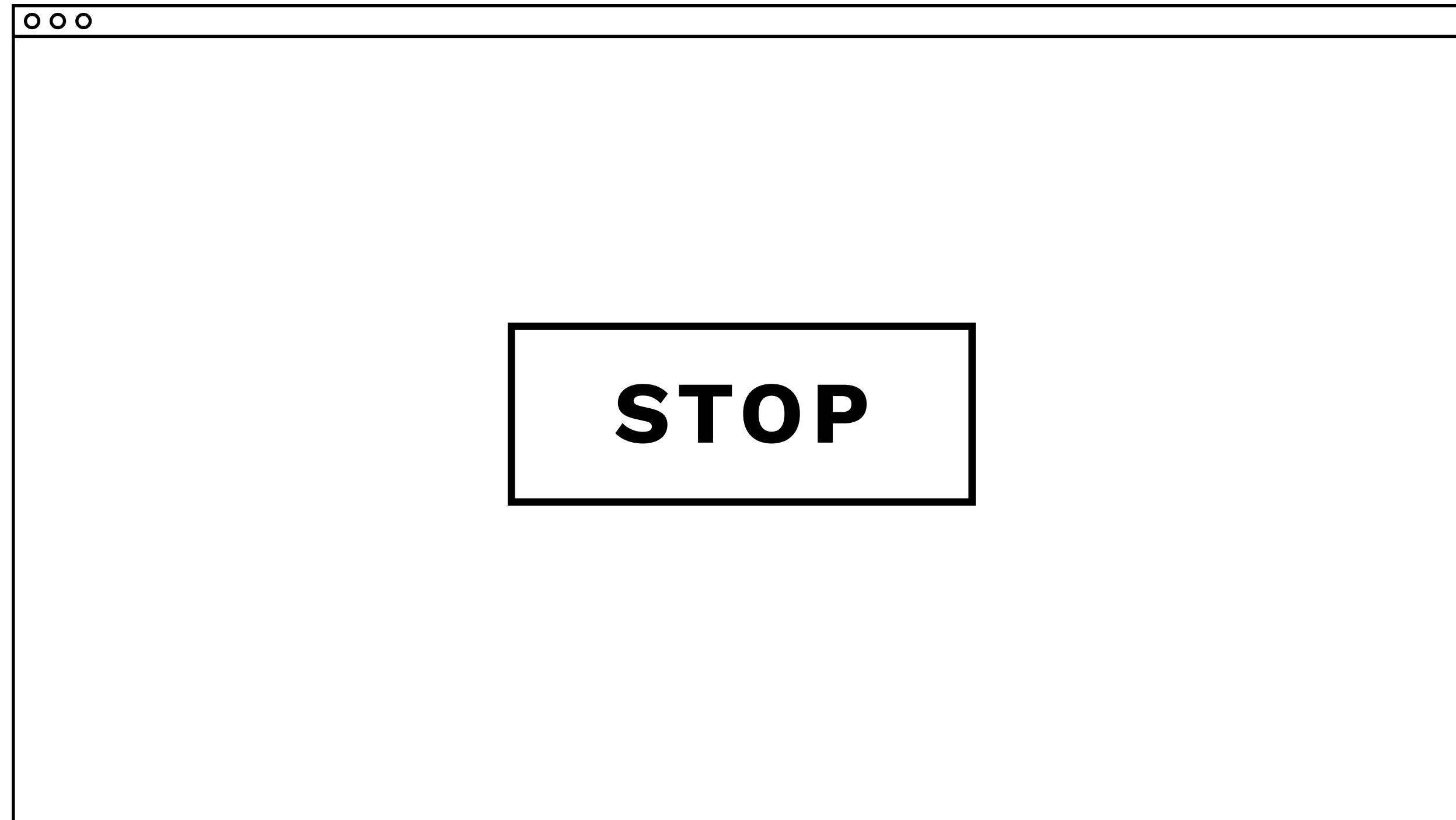
T I M E E V E N T S

GAME

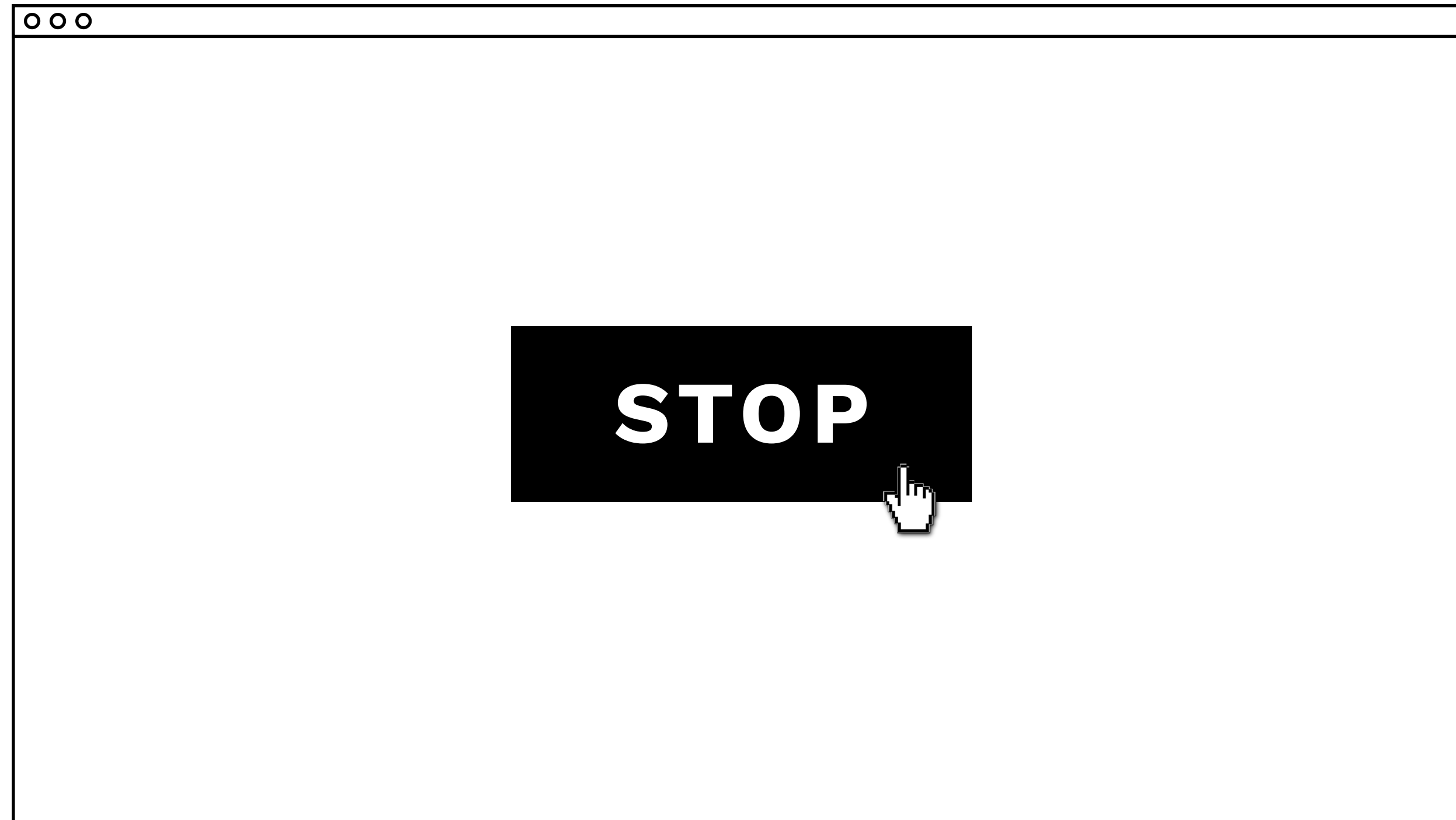




```
setTimeout(hideGetReady, randomSecond)
```

```
startTime = Date.now()
```



```
stopTime = Date.now()
```

// Get milliseconds

userResult = startTime - stopTime

```
// Get seconds
```

```
userResult = userResult / 1000
```

R A N D O M
B U T T O N

○ ○ ○

STOP ME!

STOP ME!

STOP ME!

STOP ME!

ooo

STOP ME!

id=0

STOP ME!

id=1

STOP ME!

id=2

STOP ME!

id=3

ooo

STOP ME!

id=0

STOP ME!

id=1

STOP ME!

id=2

STOP ME!

id=3

ooo

STOP ME!

id=0

STOP ME!

id=1

STOP ME!

id=2

STOP ME!

id=3



TEST YOUR REFLEXES | JS PLAY

CHOOSE YOUR USER NAME

User name

Start

Grid density & Speed

Small

Medium

Large

Slow

Normal

Fast

USER SCORES

#1 Ricard

0.40 seconds

#2 Test

1.33 seconds

#3 adf

1.95 seconds

#4 Aida

1.95 seconds

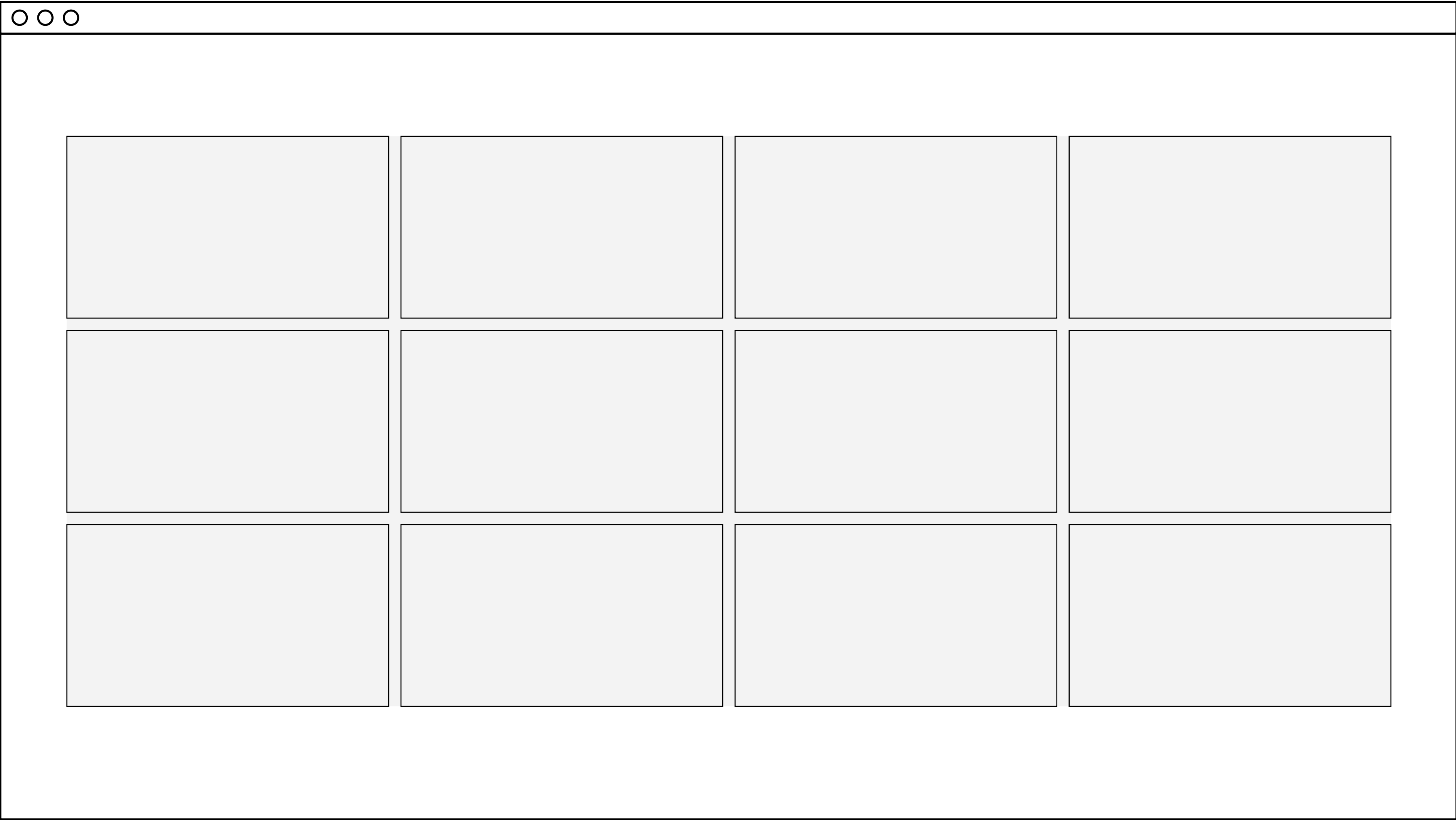
#5 Jon

1.97 seconds

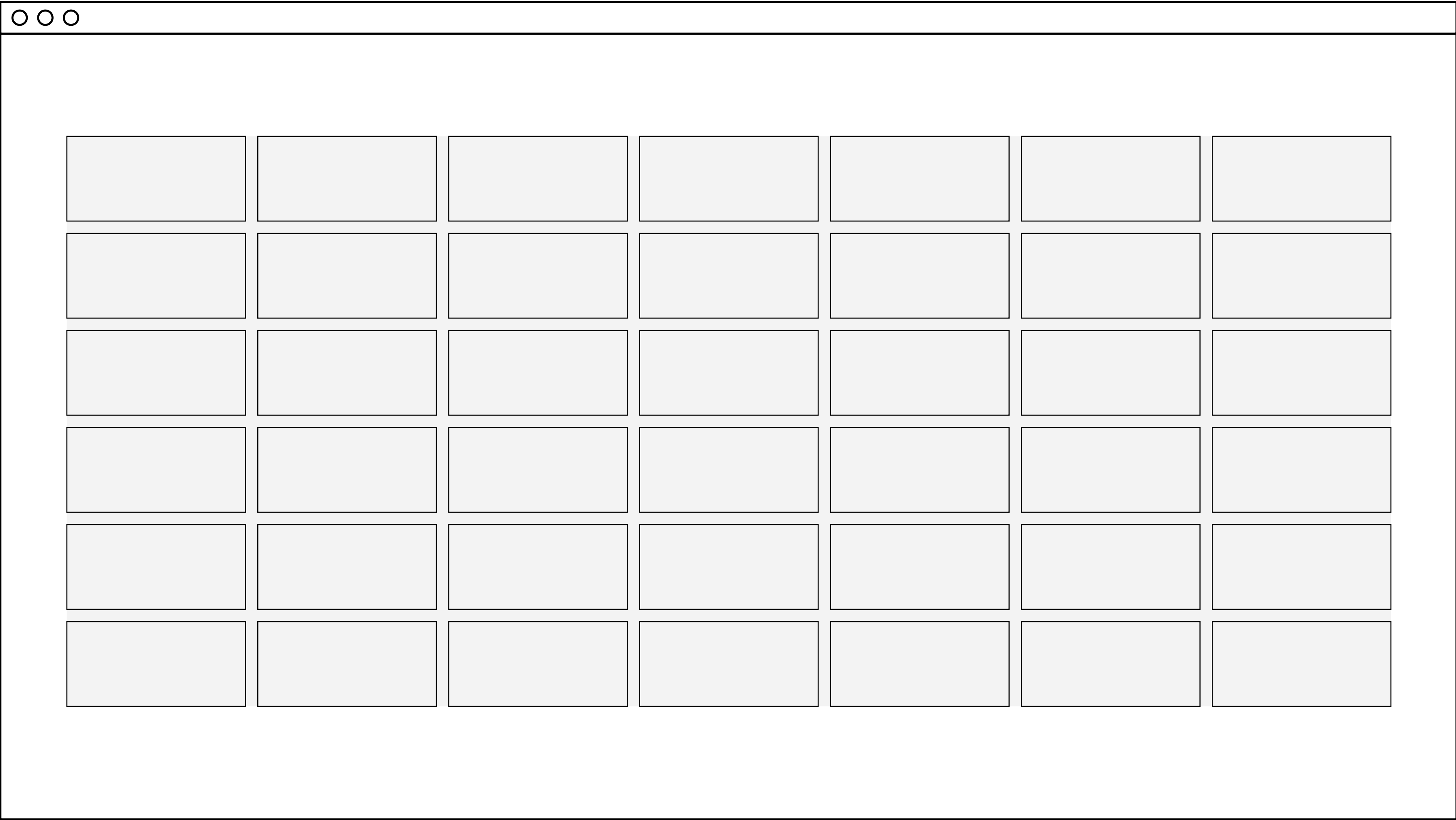
gridDensity=0 | speedLevel=.3



gridDensity=1 | speedLevel=.3



gridDensity=2 | speedLevel=.3



T O P U S E R S
A R R A Y

```
// Initial array  
scoresArray = []
```

```
// Append key/value to localStorage  
localStorage.setItem(userName, result);
```

```
// Push object for each item in localStorage  
for (let i=0; i<localStorage.length; i++){  
    userName = localStorage.key(i);  
    result = localStorage.getItem(userName);  
    scoresArray.push({name: userName, score: result});  
}
```

```
// Sort by score and get top 5  
scoresArray.sort(function()).slice(0,5);
```

// Initial array
scoresArray = []

// Append item to localStorage
localStorage.setItem(userName, result);

// Push new object to array (all localStorage)
scoresArray.push({name: userName, score: result});

// Sort by score and get top 5
scoresArray.sort(function()).slice(0,5);

W I S H L I S T

& L E S S O N S L E A R N T

Wishlist

- Responsive
- Dark/Light themes
- More distractions
- Stopwatch

& lessons learnt

- Mobile-first strategy
- Take care of GIT
- Peer learning
- Generic > Specific
- Simple > Complex
- Daily goals

THANK YOU