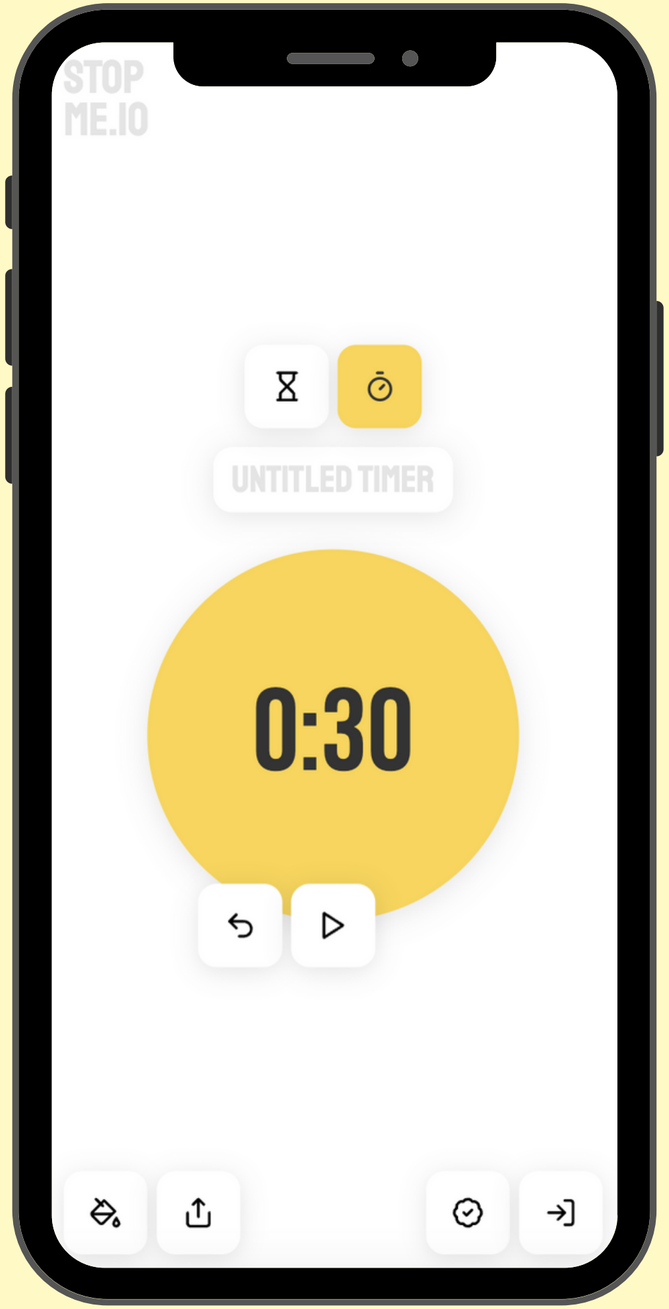
# WEB APIS YOU MIGHT NOT KNOW

LIGHTNING TALK
@ SYDJS 2023

# STOPME.IO

The ultimate SaaS (Stopwatch as a Service) product for everyone

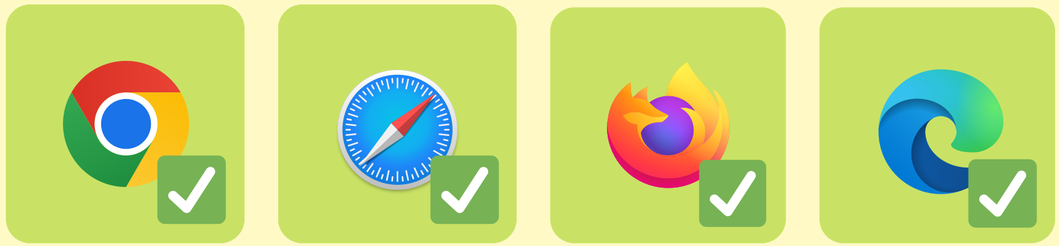


01

# PAGE VISIBILITY API

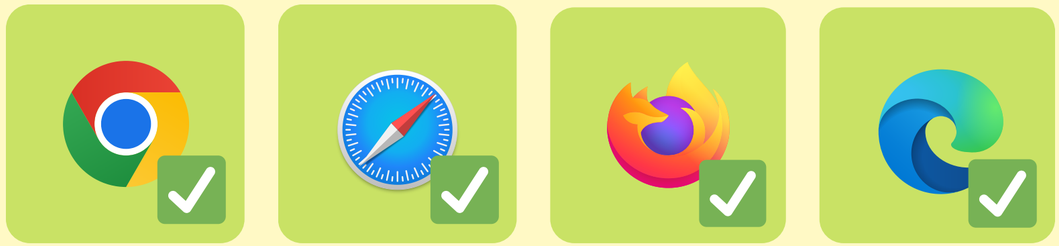
01

# PAGE VISIBILITY API



01

# PAGE VISIBILITY API



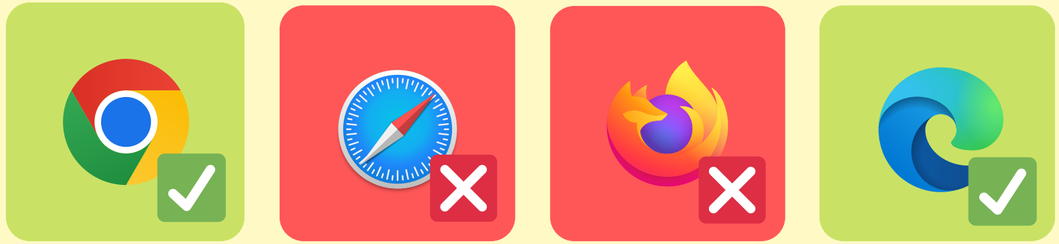
```
function handleChange () {
  if (document.visibilityState === "hidden") {
    // do or stop something when tab is hidden
  } else {
    // do or stop something when it's visible
  }
}

document.addEventListener(
  "visibilitychange",
  handleChange
)
```

02

# BATTERY STATUS API

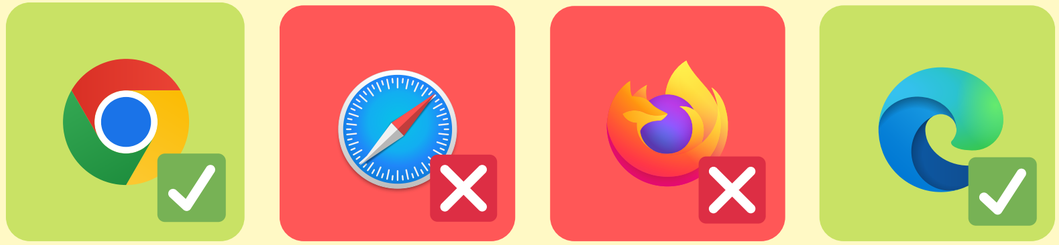
02

# BATTERY STATUS API



02

# BATTERY STATUS API



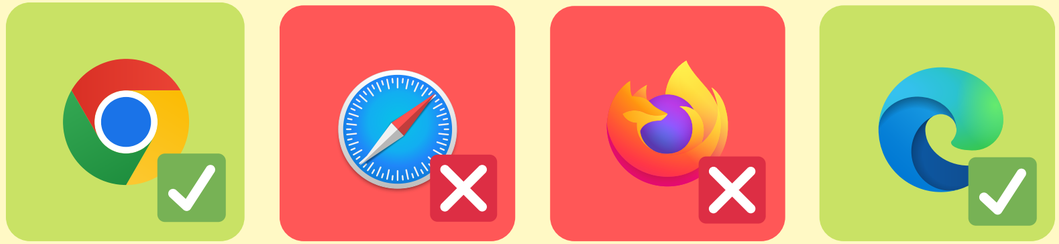
```
const battery = await navigator.getBattery()

function handleChange () {
  // battery.charging
  // *.level
  // *.chargingTime
  // *.dischargingTime
}

battery.addEventListener(
  "chargingchange"
  handleChange
)
// "levelchange"
// "chargingtimechange"
// "dischargingtimechange"
```

03

# SCREEN WAKE LOCK API

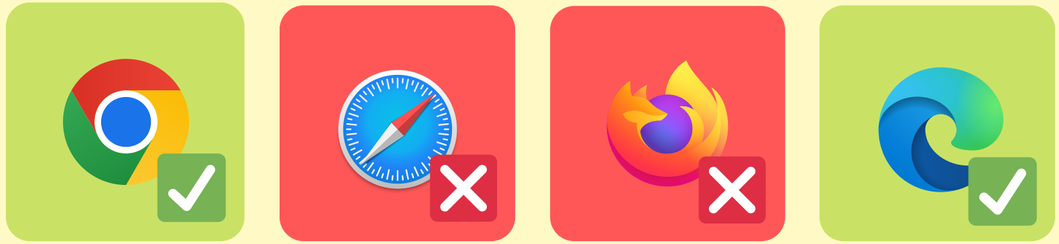
03

# SCREEN WAKE LOCK API



03

# SCREEN WAKE LOCK API



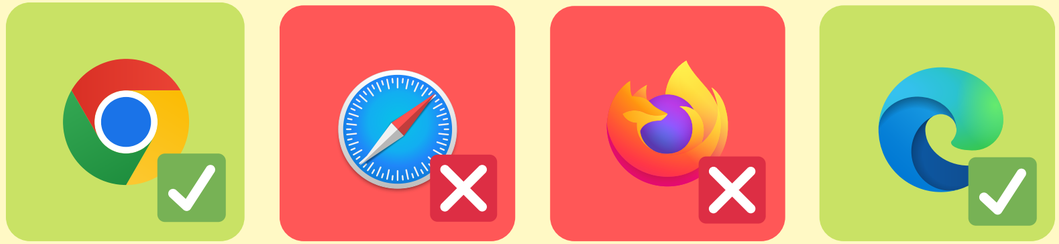
```
try {
  const wakeLock = await navigator
    .wakeLock
    .request("screen")
} catch (e) {
  // Request failed, e.g. for system
  // related reasons like low battery
}

wakeLock.release()
```

04

# EYEDROPPER API

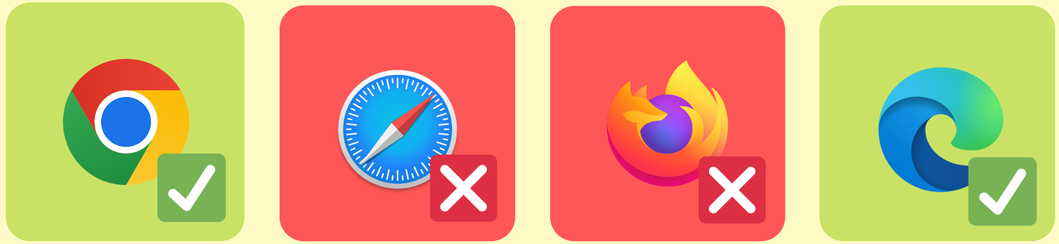
04

# EYEDROPPER API



04

# EYEDROPPER API



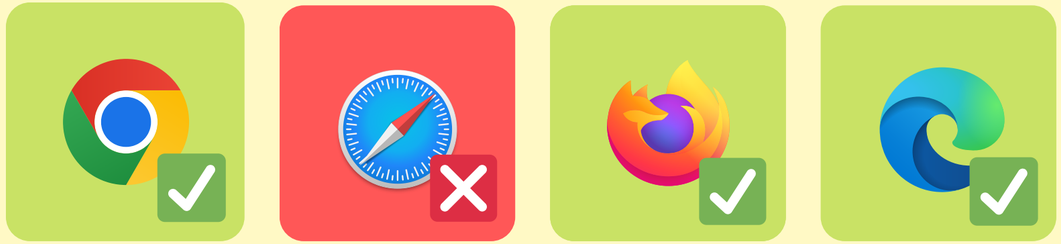
```
const eyeDropper = new EyeDropper()

try {
  const result = await eyeDropper.open()
  // *.sRGBHex
} catch (e) {
  // failure, also triggered when user
  // cancels
}
```

05

# VIBRATION API

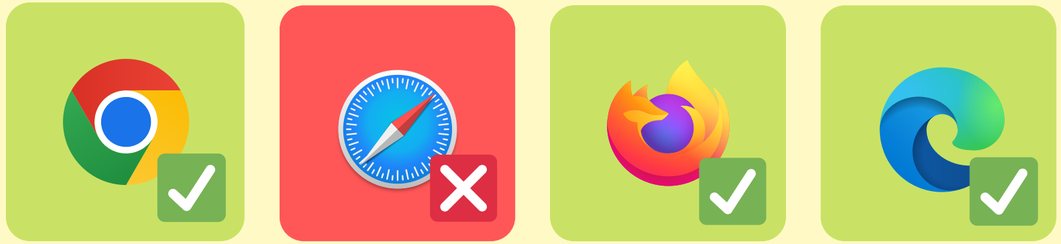
05

# VIBRATION API



05

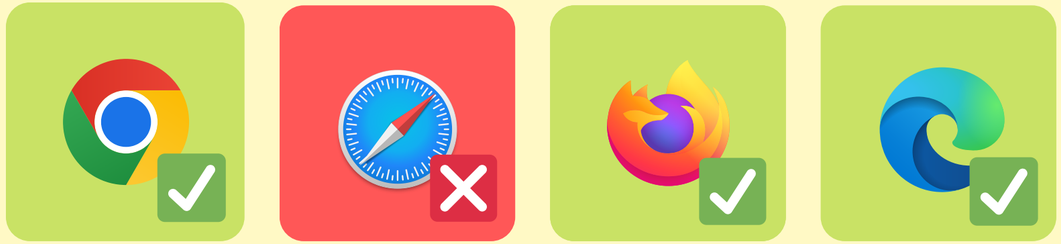
# VIBRATION API



```
navigator.vibrate(200)

// Pattern
navigator.vibrate([200, 100, 200])
```

05

# VIBRATION API



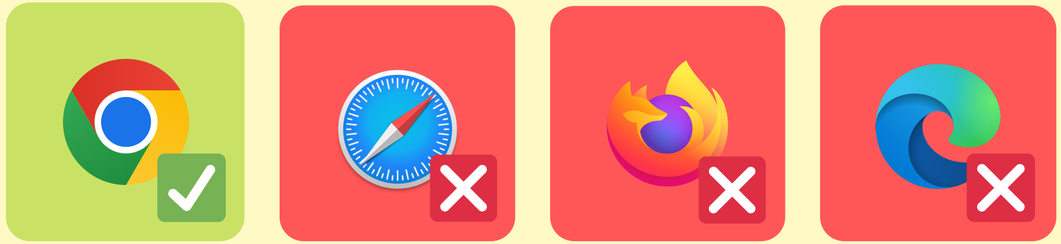
```
// https://github.com/hjdesigner/vibration-api

// Super Mario
navigator.vibrate([
  87, 89, 104, 176, 96, 176, 88, 88,
  79, 241, 176, 377, 191
])

// Game of Thrones
navigator.vibrate([
  950, 50, 530, 80, 100, 100, 100, 60,
  930, 50, 530, 80, 100, 100, 100, 60, 980
])
```

06

# CONTACT PICKER API

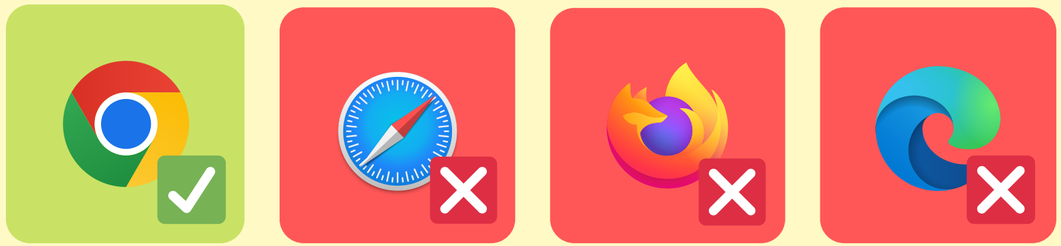
06

# CONTACT PICKER API



06

# CONTACT PICKER API



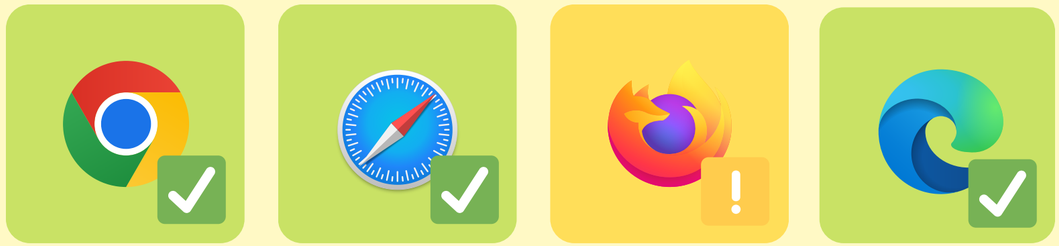
```
const supportedProperties =
  await navigator.contacts.getProperties()
// ["name", "email", "tel", "address", "icon"]

try {
  const props = ["name", "email"]
  const options = { multiple: true }
  const contacts = await navigator
    .contacts
    .select(props, opts)
} catch (e) {
  // Failure or cancellation
}
```

07

# WEB SHARE API

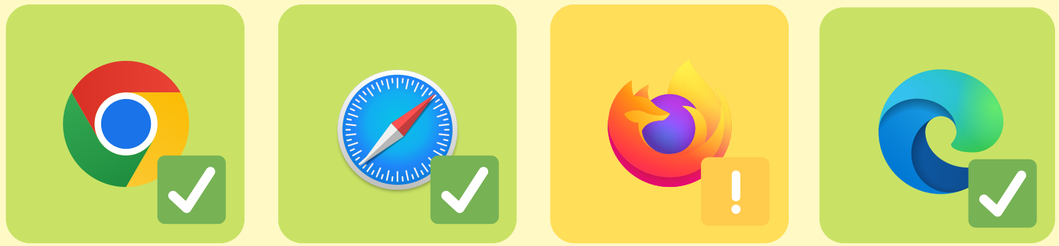
07

# WEB SHARE API



07

# WEB SHARE API



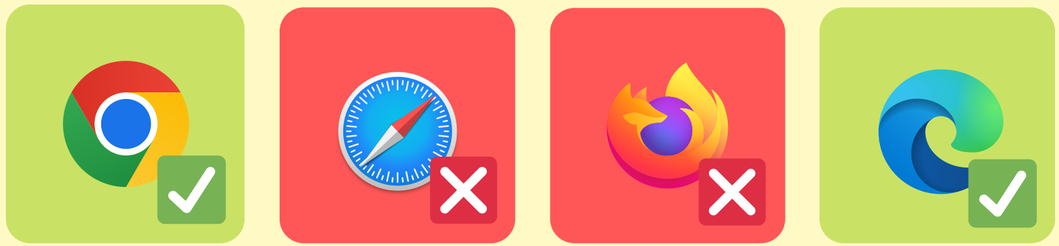
```
const shareData = {
  title: "stopme.io",
  text: "The best SaaS product in the world",
  url: "https://stopme.io"
}

// Must be triggered by user interaction
btn.addEventListener("click", async () => {
  try {
    await navigator.share(shareData);
  } catch (e) {
    // failed or cancelled
  }
});
```

08

# WEB OTP API

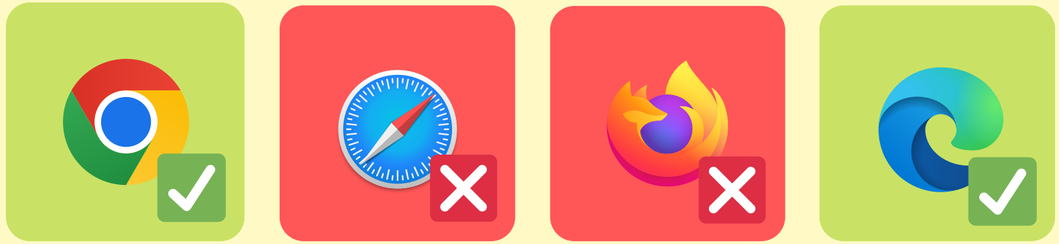
08

# WEB OTP API



08

# WEB OTP API



```
const otp = await navigator
  .credentials
  .get({
    otp: { transport: [“sms“] },
    signal: ac.signal
  });

input.value = otp.code;
form?.submit?.();
```

# HONORABLE MENTIONS

WEB AUTHN API

# HONORABLE MENTIONS

# HONORABLE MENTIONS

WEB AUTHN API

INTL API

# HONORABLE MENTIONS

WEB AUTHN API

INTL API

FILE SYSTEM API

# HONORABLE MENTIONS

WEB AUTHN API

INTL API

FILE SYSTEM API

CLIPBOARD API

# HONORABLE MENTIONS

WEB AUTHN API

INTL API

FILE SYSTEM API

CLIPBOARD API

HTTPS://DEVELOPER.MOZILLA.ORG
/EN-US/DOCS/WEB/API

# THANKS!

@JBURR90 / JULIAN BURR

HTTPS://WWW.JULIANBURR.DE/SYDJS-2023-SLIDES.PDF