



# Notify Events

(Looking for a better name, drop your ideas in the chat.)

# The problem

## I want to host events

No one remembers to show up to (semi) regular events

Need a reminder the night before

## Options

Group chat?

Walk around and tell people?

Posters?

Messenger pigeon?

## Current Solution

A PWA with push notifications

✓ 1-many communication

✓

subscribe/unsubscribe at their own will

✓ a place to check for updates/status of events

# Demo!



# Notify Events

<https://events.verynice.party/boards/1>

Push notifications supported on:

✓ All modern computers

✗ Android browsers

✗ iOS



# Cool Features

- ✴ Passwordless authentication - only sends magic links by email
- ✴ Anyone with a modern browser (except on iOS) can subscribe to push notifications, no need to download an app



Built with

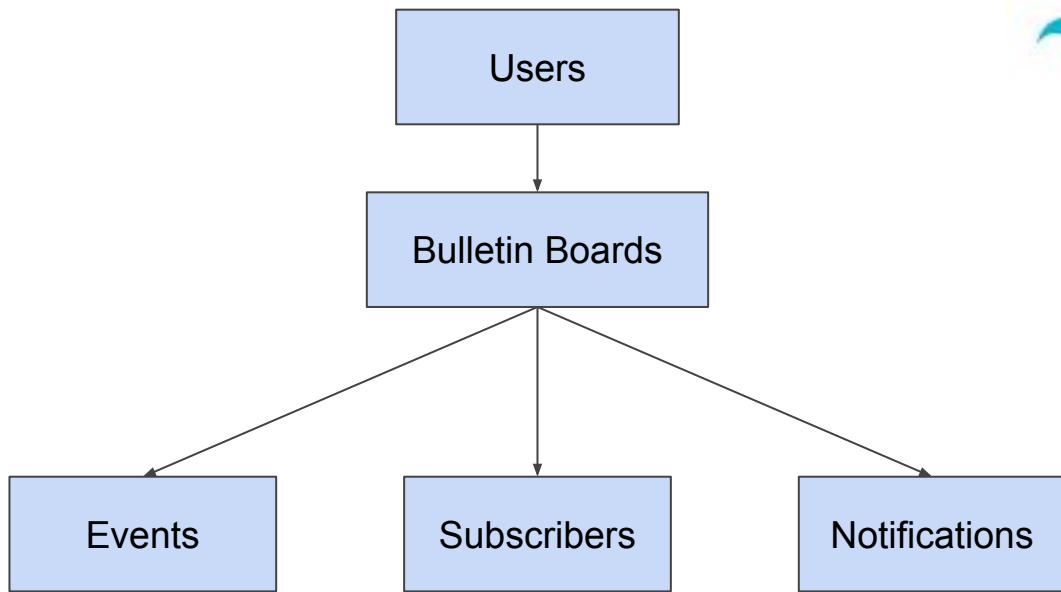


**Phoenix** Framework

+



**tailwindcss**



# How do push notifications work?

- Need 3 pieces of info:
  - **pn\_endpoint:**  
[https://fcm.googleapis.com/fcm/send/cybOpPsERCo:APA91bGbWZwL1vpAlM6\\_04CF-VFb-Wv8JmZYGsISfbHO1HHEoYA8N2Xel3v6XI1Aa3Hc1ILhQoMXIjO15jzJ3tE9qNEwYp0oUtAvQDD-Ei8Fgr\\_IDsnkRBNqCHnl9YlhCJASIEbtYUt](https://fcm.googleapis.com/fcm/send/cybOpPsERCo:APA91bGbWZwL1vpAlM6_04CF-VFb-Wv8JmZYGsISfbHO1HHEoYA8N2Xel3v6XI1Aa3Hc1ILhQoMXIjO15jzJ3tE9qNEwYp0oUtAvQDD-Ei8Fgr_IDsnkRBNqCHnl9YlhCJASIEbtYUt)
  - **pn\_auth:** CVn0CAwmRaU65Do72FOBGA
  - **pn\_p256dh:**  
BFuH2w7HADvpj95co5sDiNqH59JoAJnCMrrNK7pMBqLNdugqN8Kpy4af0-4PYsQyXsHKRE6f0vux0NL7tb5PoXE

request these with a Service Worker:

```
1 Notification.requestPermission().then(() => {
2   serviceWorker.pushManager.subscribe({
3     userVisibleOnly: true,
4     applicationServerKey: urlB64ToUint8Array(vapid_serverkey)
5   }).then((subscription) => {
6     subscription = subscription.toJSON()
7
8     var sub_data = {
9       pn_endpoint: subscription.endpoint,
10      pn_auth: subscription.keys.auth,
11      pn_p256dh: subscription.keys.p256dh
12    }
13
14    // Now send sub_data to your app
15  })
16 }).catch((err) => {
17   if(err.name == "NotAllowedError") {
18     console.log("notifications blocked 🙅")
19   } else {
20     console.log("error 🙄", err)
21   }
22 })
```

# Challenges

- Service Workers
- Service Workers
- Service Workers

# Questions?

The Very Best Bulletin:  
by adam

Subscribe

Demo Day!

Tue, May 11 14:00

Today is when I get to show off this app to the class.

( Edit | Delete )

Adam Gradutes

Sun, May 16 13:00

V excited to graduate and go camping.

( Edit | Delete )

( New Event | Edit Board | Send Notification )

Notify Events

adam (Sign Out)