



**What's cooking at
Damus HQ 🍊**

damus-io/ notepush



A Nostr relay for sending out push notifications

2
Contributors

2
Issues

6
Stars

2
Forks

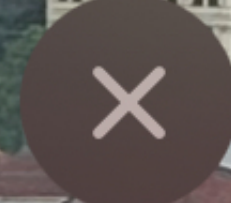


While in Work Focus



Damus

Show less



Zap

now

You received 21 sats from D'joey



roya 9e replied to your note
lovely job!

6m ago

damus-io/nostrdb



The unfairly fast embedded nostr database backed by lmdb

9 Contributors 13 Issues 92 Stars 17 Forks



```
nostrich.local> ndb search -l 1 'bitcoin fixes this'
| jq -c .content
"Bitcoiners after hearing about BofA:\n\n\"My balance isr
coin fixes this\" \nhttps://i.nostr.build/bUNvobsqwr8rFov&
```

```
1 nostrich.local> ndb stat | ct
using db '.'
name                count    key_bytes  value_bytes  total_bytes
---
dbs
---
note                261568   2092544    143789008    145881552
note_metadata       10        320         200           520
profile             13210    105680     5870752     5976432
note_index          261568   10462720   2092544     12555264
profile_pubkey_index 13209    528360     105672       634032
nostrdb_metadata    1         8           8             16
profile_search      19866    1271424    158928       1430352
profile_last_fetch  9696     310272     77568        387840
note_kind_index     261568   4185088    2092544     6277632
note_fulltext       4135252  78884536   0            78884536
note_blocks         249571   1996568    11471408     13467976
note_tags           1005940  40108414   8047520      48155934
total               6231459  139945934  173706152    313652086
-----
kinds
-----
profile             11993    95944      6899688     6995632
text                248863   1990904    135317248    137308152
contacts            4         32         169352       169384
dm                  3         24         1384         1408
repost              341      2728       498880       501608
reaction            10        80         3408         3488
zap                 118      944        208928       209872
zap_request         1         8          600          608
longform            83       664        484496       485160
other                152     1216       205024       206240
```

nostrscript

nscript1qpshxmgrpqqqqq
qgtqfsqxlm10uqh7cqqqqp
psqg9dehhxarjpehx7um5
wf0hxet5ta3x7mmvqqqq
xqspqyzsxqgqqyrs5qgxd
4jk6mmj0ypqqzqpqyxqz
qs2z5q3xqzp5qyyr8qg9
qpqqsgpweqszyqqrg9skg
gzqpqcczqtqywqqsvcpq9
3xqsqqqqqcqqqqphqqmc
q0gqxzqrsqpest0rum4

Open

Filter and reducer queries #33

jb55 opened this issue on May 20 · 1 comment

Filters

The simplest thing that we should implement first is filters. This would allow you to perform a nostr query, filtering notes based on arbitrary conditions.

The reason we want this inside the query engine is mainly for memory and efficiency reasons. If the query is acting across thousands of records, we shouldn't need to pull everything out of the database to act on it.

This becomes increasingly important in cursor queries, allowing you to filter as your query walks along an index.

Example

An example filter query could be (in pseudocode):

```
{"kinds":[1], "filter": "pubkey_trust_score(note.pubkey) > 5"}
```

Where `filter` is a nostrscript. Of course in nostrdb, we don't need to pass this in the filter itself, we can just pass it as an argument to the query. In the future this could be a wasm nostrscript.

Reducers/Folds

See: [https://en.wikipedia.org/wiki/Fold_\(higher-order_function\)](https://en.wikipedia.org/wiki/Fold_(higher-order_function))

An even more powerful concept is allowing reducers instead of a filter. Reducer allow you to accumulate a value during a query. For example:

```
{"kinds":[1], "reducer": {"code": "$acc + 1", "init": 0}}
```

This would implement a count of the number of kind 1 notes in your database.

you can implement a filter from a reducer, so it is more general:

```
{"kinds":[1], "reducer": {"code": "pubkey_trust_score($note.pubkey) > 5 ? $acc.push($note) : nil", "ir |
```

damus-io/ noteguard



A high-performance rust-based plugin system for strfry

2

Contributors

4

Issues

20

Stars

4

Forks



```
pipeline = ["protected_events", "kinds", "whitelist", "ratelimit", "forwarder"]
```

```
[filters.ratelimit]  
posts_per_minute = 8  
whitelist = ["127.0.0.1"]
```

```
[filters.whitelist]  
pubkeys = ["16c21558762108afc34e4ff19e4ed51d9a48f79e0c34531efc423d21ab435e93"]  
ips = ["127.0.0.1"]
```

```
[filters.kinds]  
kinds = [30065, 1064]
```

```
[filters.kinds.messages]  
30065 = "blocked: files on nostr is dumb"  
1064 = "blocked: files on nostr is dumb"
```

```
[filters.protected_events]
```

```
[filters.forwarder]  
relay = "ws://localhost:8080"  
queue_size = 2000
```

damus-io/ notecrumbs



A fast nostr opengraph server, built on nostrdb and egui.

1 Contributor 13 Issues 11 Stars 2 Forks



notecrumbs

Rust **passing**

A nostr opengraph server build on [nostrdb](#), [egui](#), and [skia](#). It renders notes using the CPU in around 50ms.

Status

WIP!

- Local note fetching with nostrdb
- Basic note rendering
- Fetch notes from relays
- Render profile pictures
- Cache profile pictures
- HTML note page

Very alpha. The design is still a bit rough, but getting there:

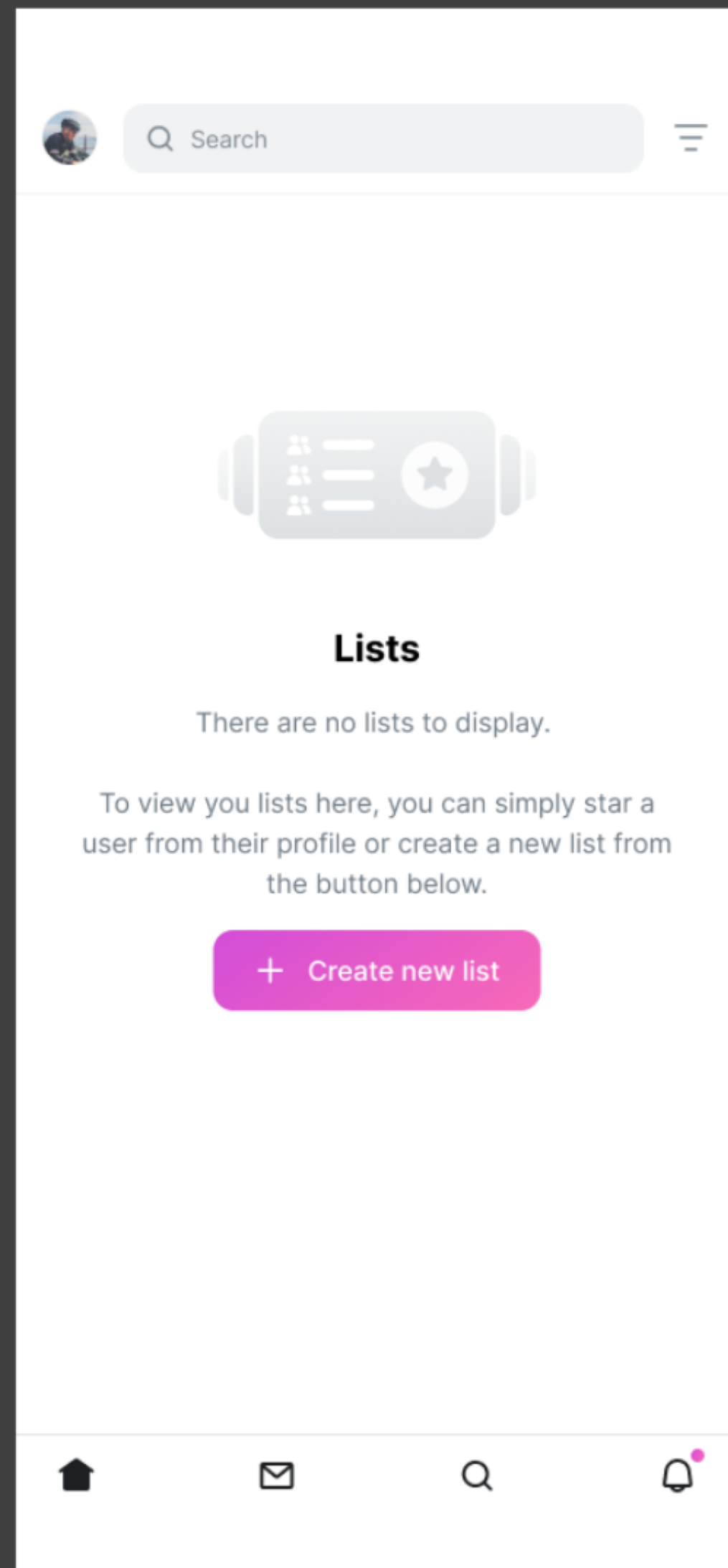
Nostr is the super app. Because it's actually an ecosystem of apps, all of which make each other better. People haven't grasped that yet. They will when it's more accessible and onboarding is more straightforward an...

 @jack

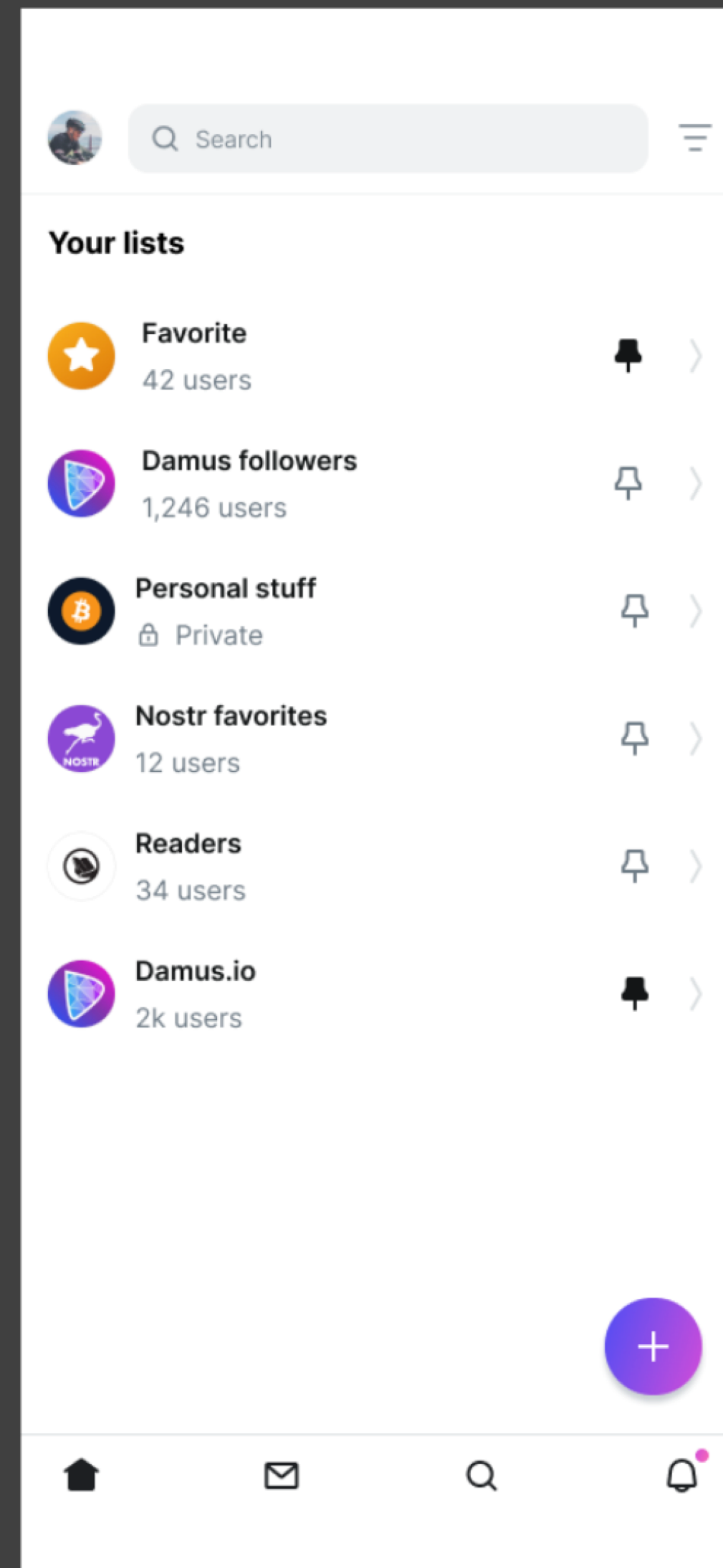
Discuss on Damus →

Lists

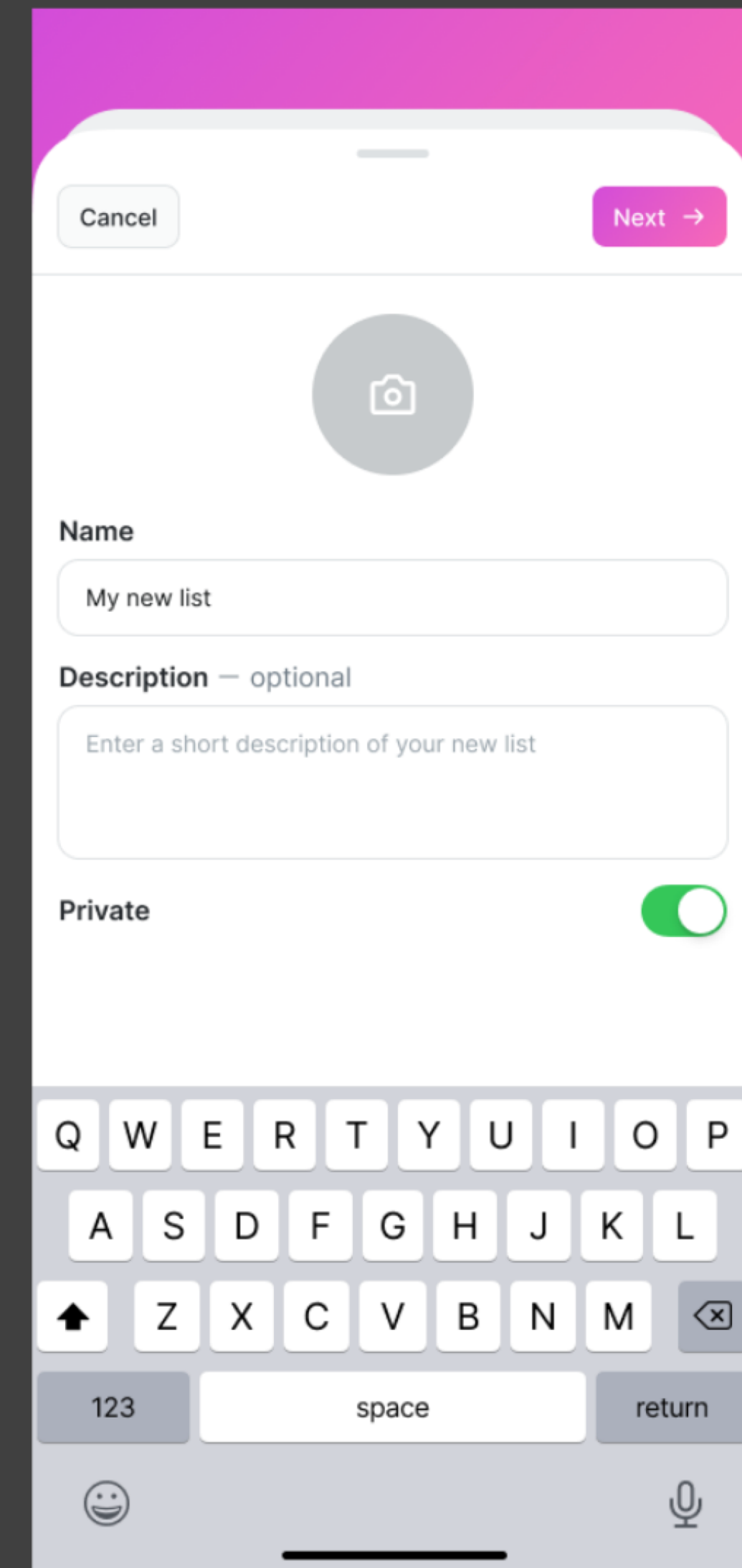
Lists empty state



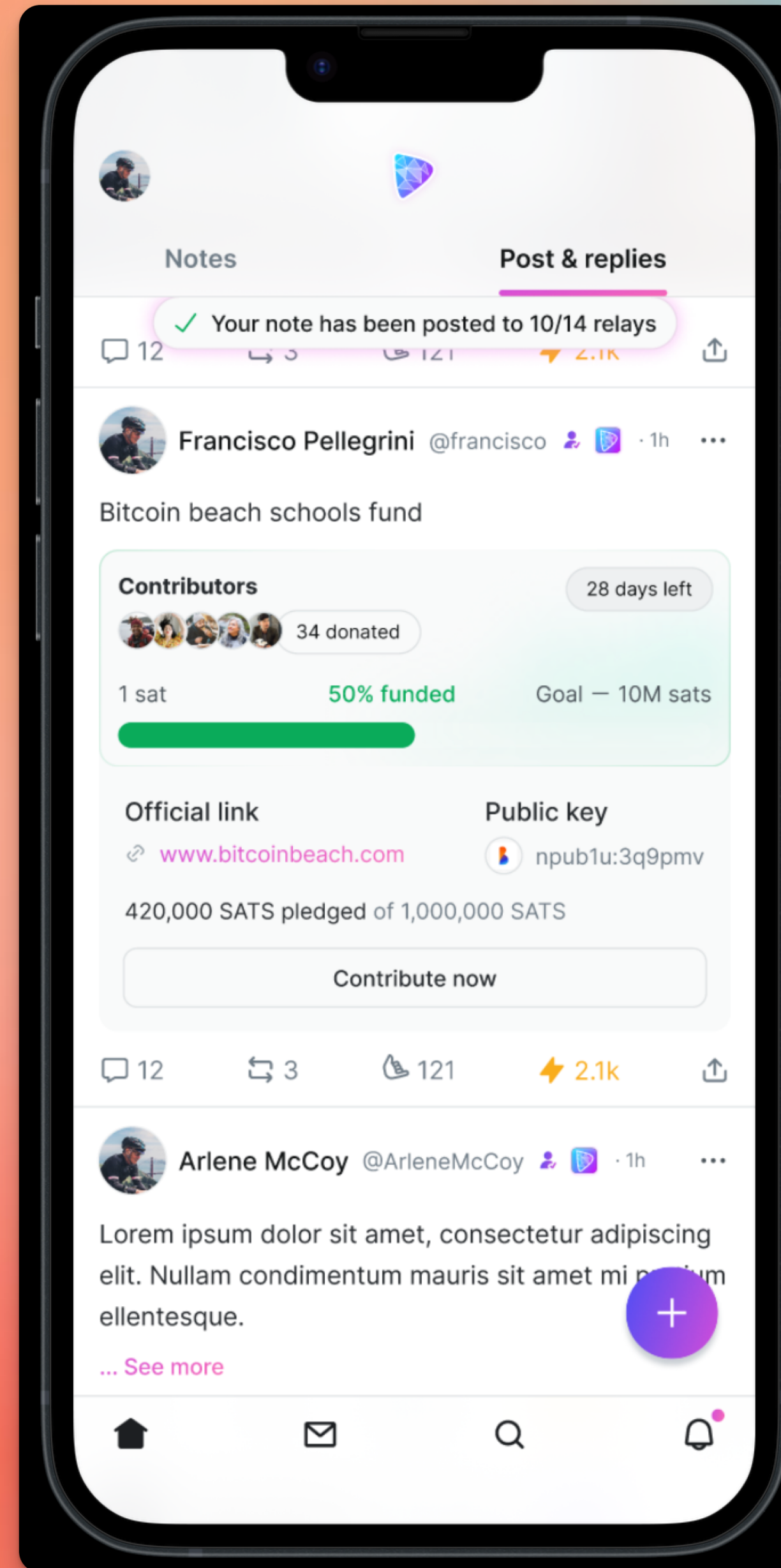
Lists



Create list



Zapraisers





Damus

Notedeck

Write your note here...

Post now

Posts Post & replies

Marlon Brando @mbrando · 2m
In Uvita, Costa Rica. "Most businesses have a fiber connection, many are symmetrical." 🤔🤔🤔 Wild.

Gizmo @Gizmo · 2m
test LN invoices just now... someone help?

Lightning invoice

Wallet of Satoshi

5,000 SATS

Pay Invoice

Account switcher Manage

Marlon Brando @mbrando

Marlon Brando @mbrando

Marlon Brando @mbrando


Marlon Brando @mbrando

+ Add account

Sign out @mbrando


Global feed

cameri @cameri · 2m
#Nostrica 2023
March 19-21
Uvita, Costa Rica



Marlon Brando @mbrando · 2m
In Uvita, Costa Rica. "Most businesses have a fiber connection, many are symmetrical." 🤔🤔🤔 Wild.

cameri @cameri · 2m
#Nostrica 2023 March 19-21 - Uvita, Costa Rica



yegorpetrov @yegorpetrov · 2m
In reply to @jack, @NVK & @jb55
Sent 100 sats your way ser 🚀

Direct messages All messages encrypted

Oxtit @Oxtit · 2s
haha yes, for sure. I like the idea

bitcoinbull @bitcoinbull · 22m
no, that's not right.

vitorpamplona @vitorpamplona · 25m
Correct

jack @jack · 2h

Will @jb55 · 2h

scsibug @scsibug · 3h

fiatjaf @fiatjaf · 8h

BenGWeeks @BenGWeeks · 10h
it seems soo!!!

nico @nico · 2d
Así, viva argentina la concha de la lora!!! 🇦🇷🏆🏆🏆

nostr.build @nostr.build · 3d
Awesome, thank you!

Notifications

nostr.build @nostr.build · 2s
In reply to @rob
Porque no! vamos a hablar en todos las lingus! Ahora sabemos 🤔

fiatjaf @fiatjaf · 21s
In reply to @rob
What is that?

jack @jack · 2m
In reply to @rob

rob @rob · 5m
In reply to @rob
Not sure why I got tagged myself but should be @Oxtit

nostr.build @nostr.build · 7m
In reply to @rob
Looks awesome! What do you think about moving Home and View All to the bottom, make it part of the footer with Donations? This give more emphasis on the top content, and keeps the "links" in the footer? Also, of course, "designed by @roberto" somewhere 🤔

Derek Ross @DerekRoss · 1h
In reply to @rob
Noice logo!

Dylan @dylan · 1d
In reply to @rob

Settings

Relays
13 relays added to your account

Recommended relays
7 relays are recommended to you

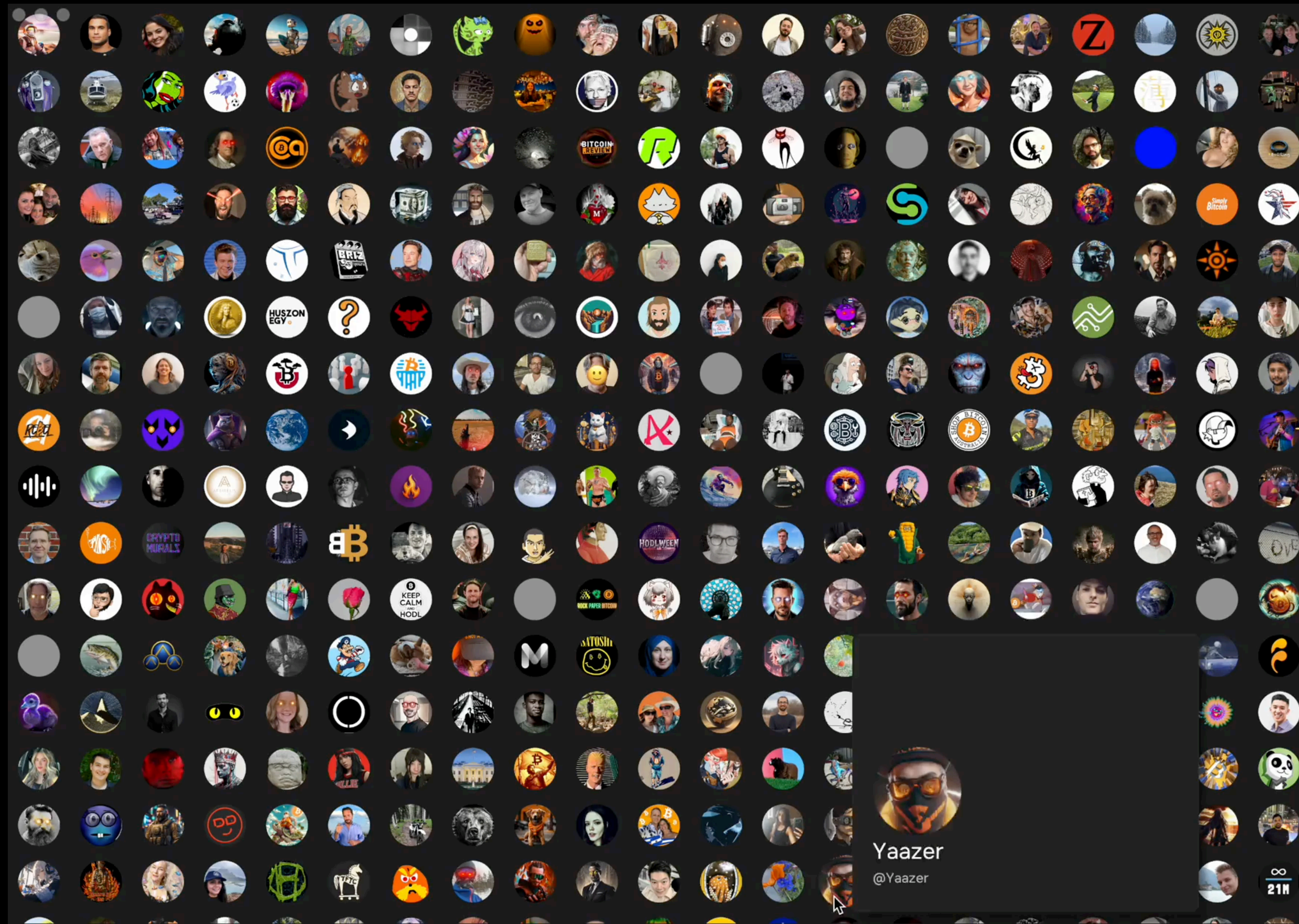
Public account ID
This is good for sharing to your friends

Secret account login ID
Never share it, this is your password

Wallet
Wallet of Satoshi

Logout
Make sure your private and public keys are saved before login out or your will lose access to this account

Social Graph + Discovery

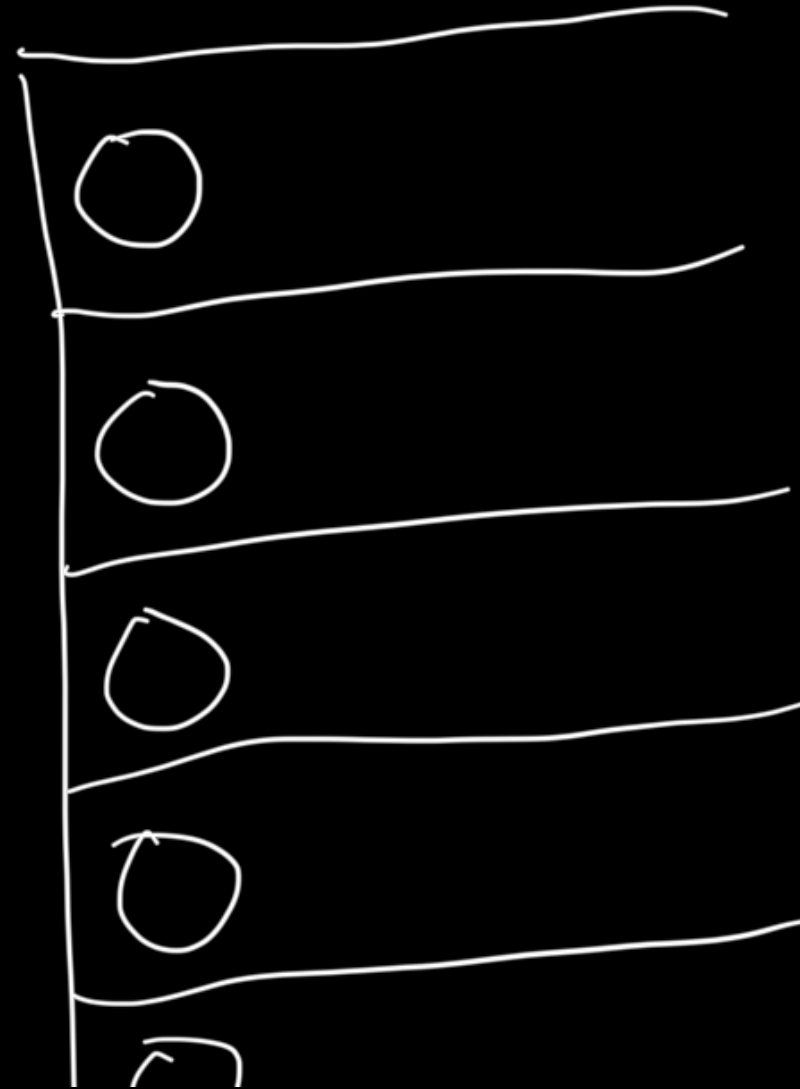


Notedech Visualization Ideas

Biggest Posters:



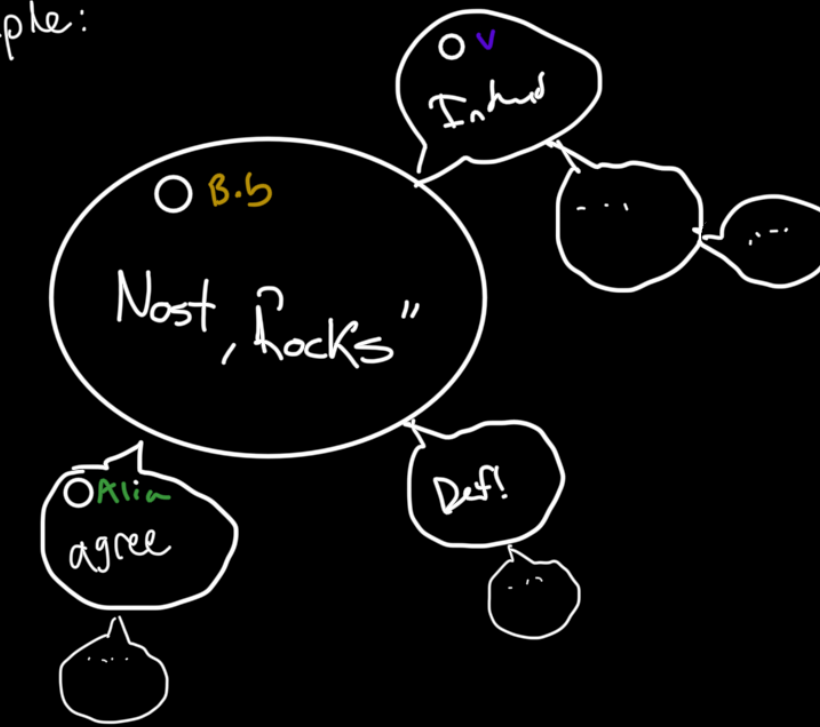
Jill's Posts



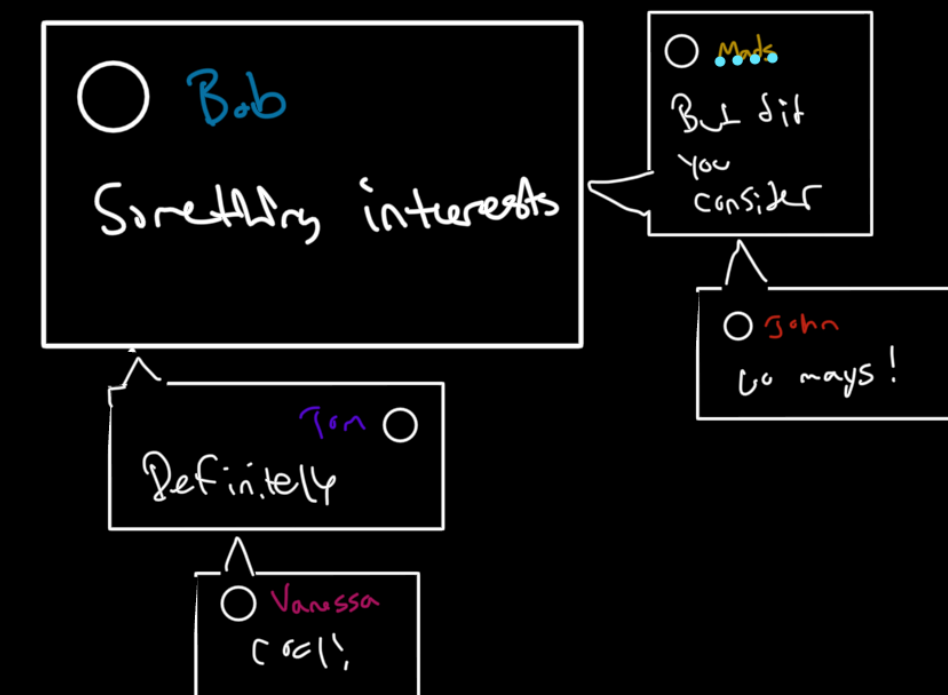
#tech #notedech #threads #design

The idea of bubble replies is to have a more intuitive way to visualize threads.

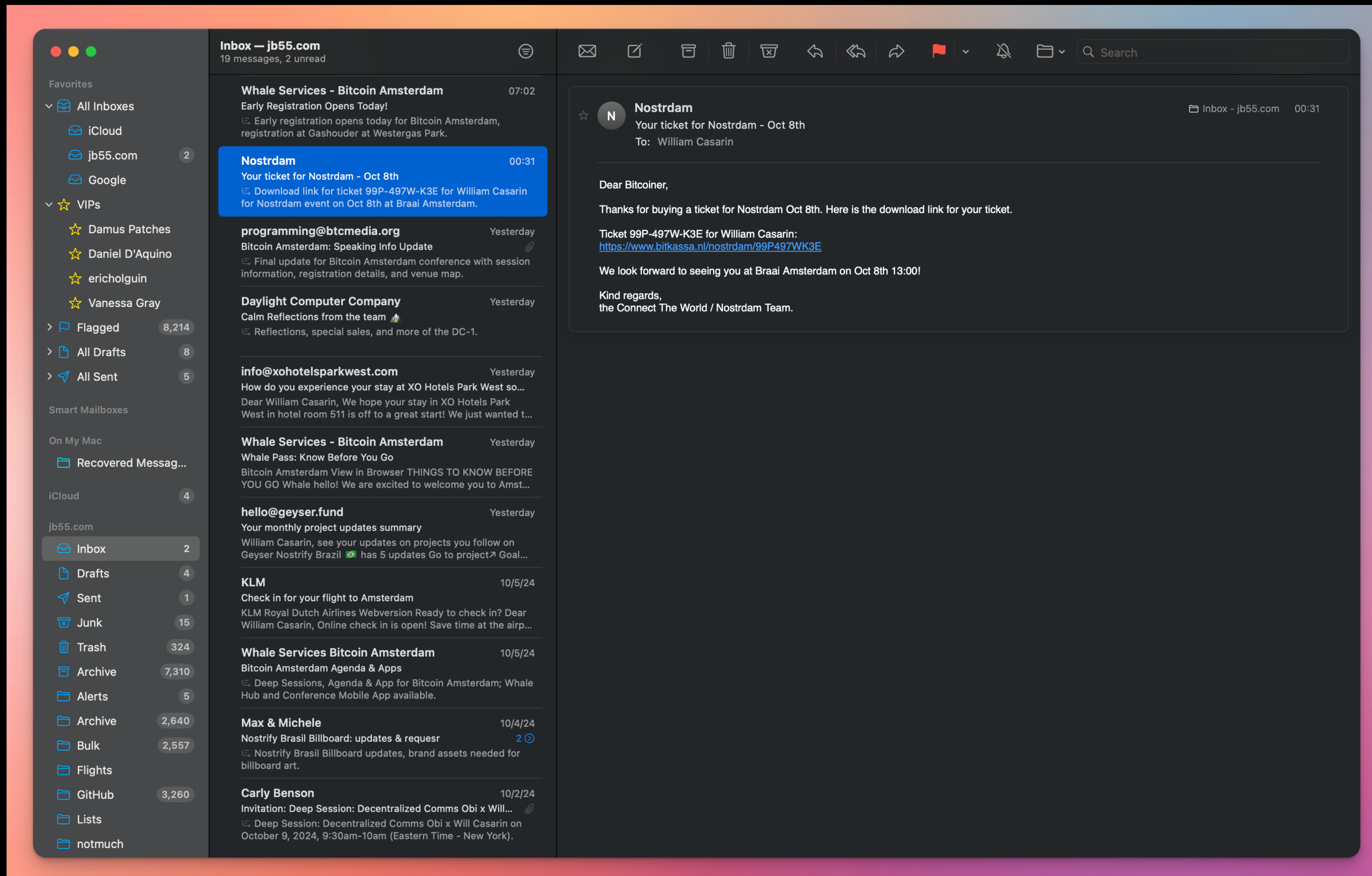
Example:



Circles kind of suck to render on computers, maybe we could try triangles or squares?



Notebook





Damus

Thank you!

damus.io