

The Network Times

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7 Week 7?

Saturday, 04/20/2024

- Q is helping me with ai nyt server.
- I am hard stuck on messages so perhaps we will crack it together.

Sunday, 04/21/2024

- Got diesel initialized in the project for storing articles, have not yet tested the ORM yet, I'll do this soon.
- I was distracted by the reactions feature for the network times. This was really easy to add, and I styled it indigo-300 or something like this. I've never seen a social site have this color like, so it's interesting at least.
- You can't yet press the like, this will work once I finally figure out how to make the app a valid signer for users.
- I added a profile page as shown in Figure 6.

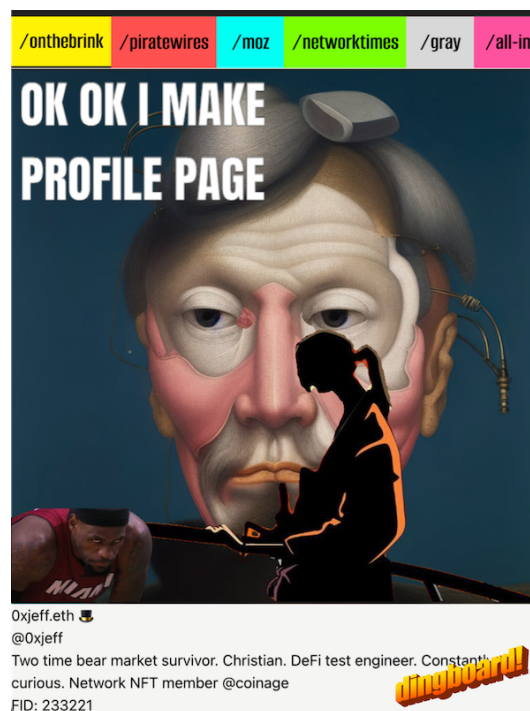


Figure 6: Profile Page

- I added hover effects (you can't see it here but matt's pfp background has a slight black circle with 10% opacity applied here (Figure 7)).

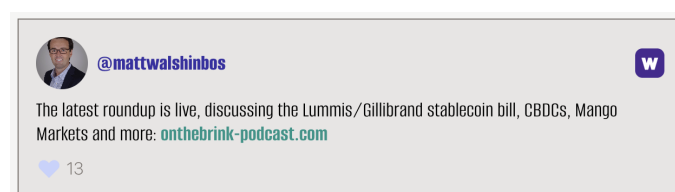


Figure 7: Pfp Hover Effect

8 Week 8?

Sunday, 06/10/2024

- we might be back (leptos rewrite). notes from testing existing hubble node routes with leptos components.
- this is not live yet since it has very limited functionality.
- `fetch_username` checks if `lead_usernames` already has the `fid`. if not, it fetches the username and updates the state.
- added `ongoing_requests` to track fetches and avoid multiple requests for the same `fid`.
- Used `create_effect` to manage side effects, ensuring usernames are fetched only once.
- Used `spawn_local` for async tasks to keep the main thread non-blocking.
- `Signal` and `set_signal` handle reactive state in the `Channels` component, making sure the UI updates when data changes.
- `HashSet` tracks `ongoing_requests`, preventing duplicate fetches and redundant state updates.
- The component dynamically displays usernames from the updated state.
- asdfasdf

Monday, 06/11/2024

- removed the `lead_username` variable and its assignment using `unwrap_or_else` from the `view!` macro.
- added closure inside the `view!` macro that matches on `lead_usernames.get().get(<ref>fid)`.
- if the lead username is available show it, else show "chill" in div where username would be
- closure is defined using `move ||` to capture the `lead_usernames` and `fid` variables.

Tuesday, 06/12/2024

- begin rewrite of cast and cast list pages, need to think about using `create_effect` in the complicated way that i did above.
- using this `create_effect` in the way that i am to sync the reactive system is *officially* (Figure 8) discouraged since you might shoot off your foot with an infinite loop if you don't create something to keep track of the ongoing requests. i like the chill message though and how it could show up at different times for different channels in some cases (probably won't be used, but we will see).
- i'll do the cast stuff without `create_effect` to see if it's less complicated and achieves virtually the same thing.

```
let (a, set_a) = create_signal(0);
let (b, set_b) = create_signal(0);

// ✓ use effects to interact between reactive state and the outside world
create_effect(move |_| {
  // immediately prints "Value: 0" and subscribes to `a`
  log::debug!("Value: {}", a.get());
});

set_a.set(1);
// ✓ because it's subscribed to `a`, the effect reruns and prints "Value: 1"

// ✗ don't use effects to synchronize state within the reactive system
create_effect(move |_| {
  // this technically works but can cause unnecessary re-renders
  // and easily lead to problems like infinite loops
  set_b.set(a.get() + 1);
});
```

Figure 8: *create effect bad*

References

- [1] C. Huyen, Designing Machine Learning Systems. USA: O'Reilly, 2022.