

## Story UFC-188: Accounts Type Filtering

The following document will go over the design of accounts type filtering, as outlined in Story ticket UFC-188.

### Acceptance Criteria

For reference, the following are the acceptance criteria for this ticket:

- I can see a set of buttons on the Accounts page, one for each type.
- In each type button, I can see the total balance for the type, for the currently selected date range.
- I can see that all of these buttons are selected (by default).
- I can click a button to deselect it and remove the filter for that type of account from the Accounts list.

### Design Brainstorming

So what are we gonna need for this story? Well if it's anything like UFC-195 (transactions type filtering), then we're gonna need the following:

- A new Context hook for account types (i.e. `useAccountTypes`).
- Then we'll need a hook for using the above hook to actually filter the accounts (i.e. `useFilterAccountsByType`).
- We can re-use `useDateRangeAccountSummaries` since it provides the same values that we need (the current balances) for the type filters.
- A new `AccountTypeFilters` organism.
  - Which is gonna need modifications to `AccountTypeOption` to have the filtering layout (ala `TransactionTypeOption`).
- Then we'll need to modify the Accounts scene to have the new `AccountTypesProvider` and use `useFilterAccountsByType` to filter the accounts before passing them off to the `AccountsList`.
  - Actually, the `AccountsList` currently connects directly to the store to get the sorted, type segregated accounts. I guess we'll change it so that it just takes in the accounts by prop and the accounts scene grabs the accounts and then filters them.

- I guess it's pretty beneficial that we already select the accounts from the store segregated by type; that means filtering is just  $O(1)$  by removing keys from the object.

## Component Breakdown

### Atoms

- N/A

### Molecules

- [modification] AccountTypeOption (add the current balance as an optional prop)

### Organisms

- AccountTypeFilters (AccountTypeOption x4)
- [modification] AccountsList (remove the connected accounts, add prop for accounts)

### Scenes

- [modification] Accounts (connect to get the sorted accounts by type, add AccountTypeProvider, add hook for filtering accounts by type, pass accounts down to AccountsList, add AccountTypeFilters)

### Tasks

- Build the useAccountTypes hook.
- Build the useFilterAccountsByType hook.
- Modify AccountTypeOption to show the current balance.
- Build the AccountTypeFilters organism.
- Modify the Accounts scene to filter the accounts.