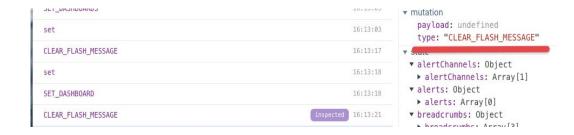# Checkly - Issues and improvements

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Data management

Issue: Mutations are not flexible

Fix: Construct them so they can be updater utilities.

CLEAR_FLASH_MESSAGE => SET_FLASH_MESSAGE so there is no need for different mutations. If the payload for SET_FLASH_MESSAGE is undefined that's a clearing technically

Data flow

Issue: Passing data through DOM attributes ($attr)

Fix: Utilize vuex to be always the one source of truth for data except local states

Issue: Too open context for component.

Fix: Limit components scope and only pass the needed data

▼ $attrs
  ▶ account: Object ⋮
  ▼ userSettings: Object
      adhocRunLocation: "eu-central-1"
      showGettingStarted: true
      showWelcomeBanner: true

▼ 0: Object
    accountId: "01ef33bc-f1e8-4dbd-a162-f469e8879c17"
  ▶ config: Object
    created_at: "2020-04-04T16:54:52.907Z"
    id: 24
    sendDegraded: false
    sendFailure: true
    sendRecovery: true
  ▶ subscriptions: Array[0]
    type: "EMAIL"
    updated_at: null

Code guidelines

Issue: Inconsistent casing for vars

Fix: Using lint with the correct hooks and setting PR policies

Issue: Incoherent event names

Fix: Defining event names with past verb tense 'itemClicked'


```
▼ computed
  ▼ alertChannelsGrouped: Object
    ▶ EMAIL: Array[1]
```



```
itemClick $emit by <Sidebar>
item-click $emit by <Sidebar>
```