Roadmap Redux.

→ Redux as a library.

Redux concepts ✓ → Redux with React → Redux with React

→ React - Redux

Redux with React → Redux Toolkit → RTK

Redux Toolkit → RTK Query → Redux saga

Why Redux?

Store → Global Store

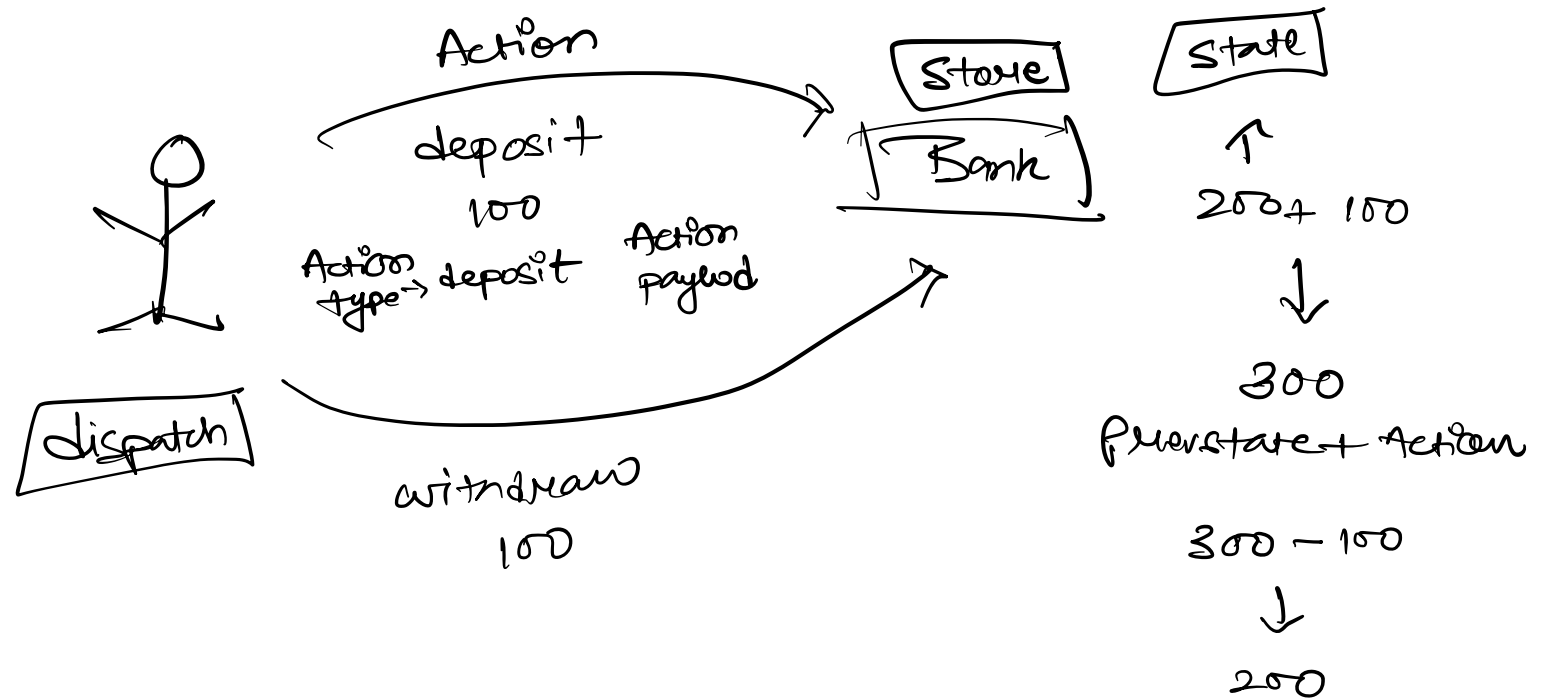App → NavBar, SideBar, Content

Content → Comp 1, Comp2, Comps

pass down data

1) Access State freom Anywhere ✔
2) change state freom Anywhere }

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when to use Redux?

1) High frequency of state changes }
2) Dynamic Data

Action

deposit
100

Action type → deposit   Action payload

Store
Bank

dispatch

withdraw
100

State

↑
200 + 100

↓

300
Prevstate + Action

300 − 100

↓

200

Action → froomula → Reducer.

Store

State & PrevState

Action → type & Payload

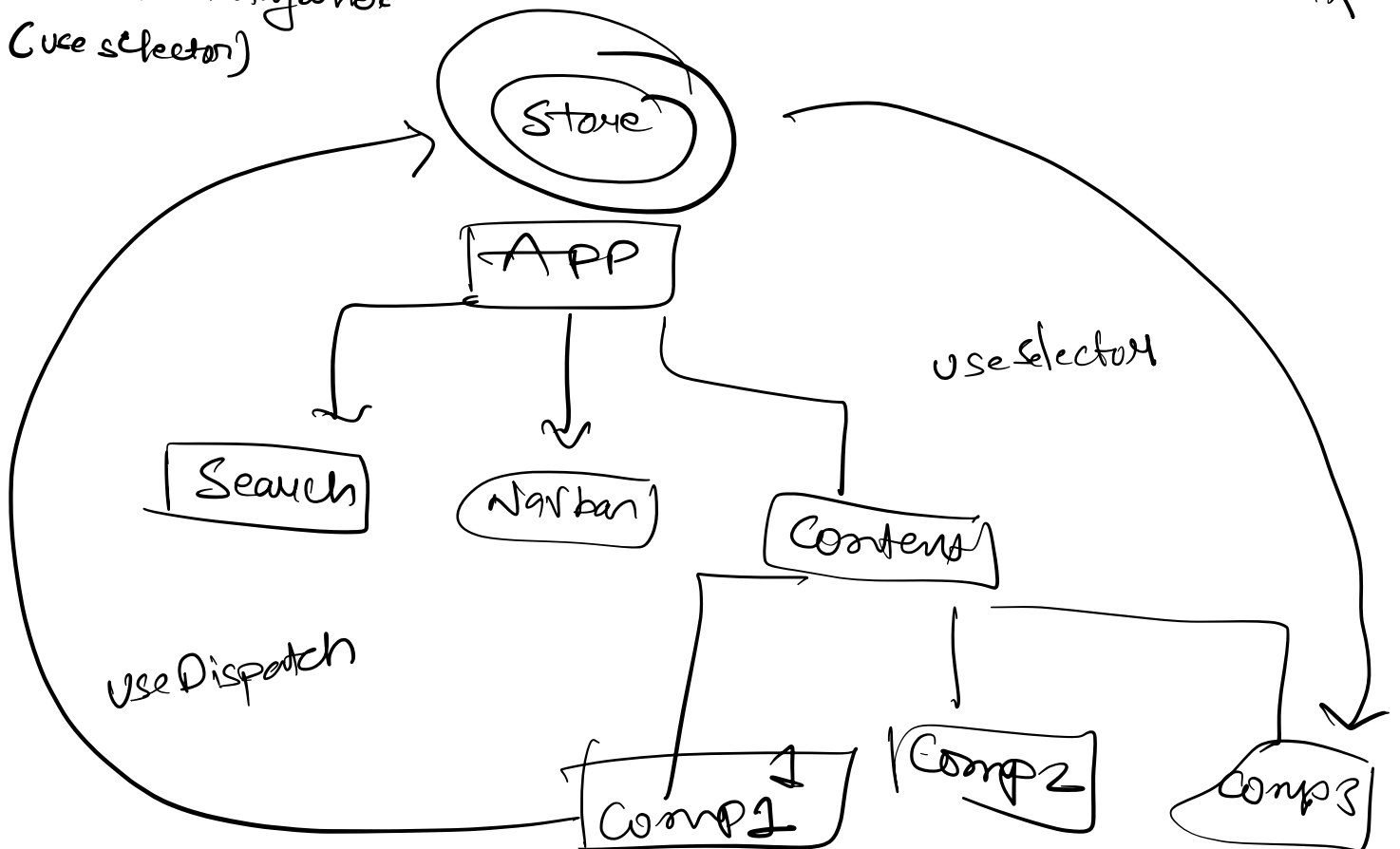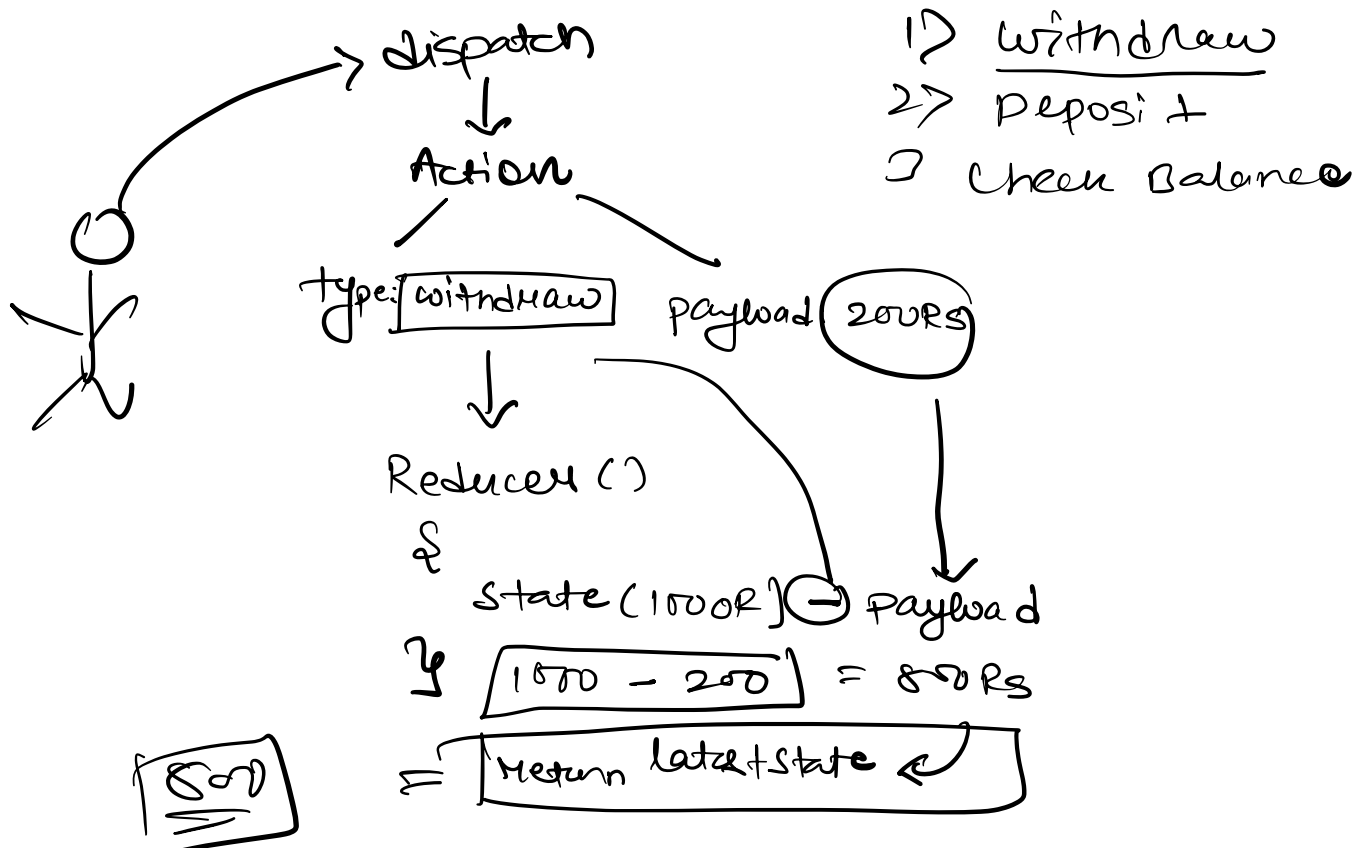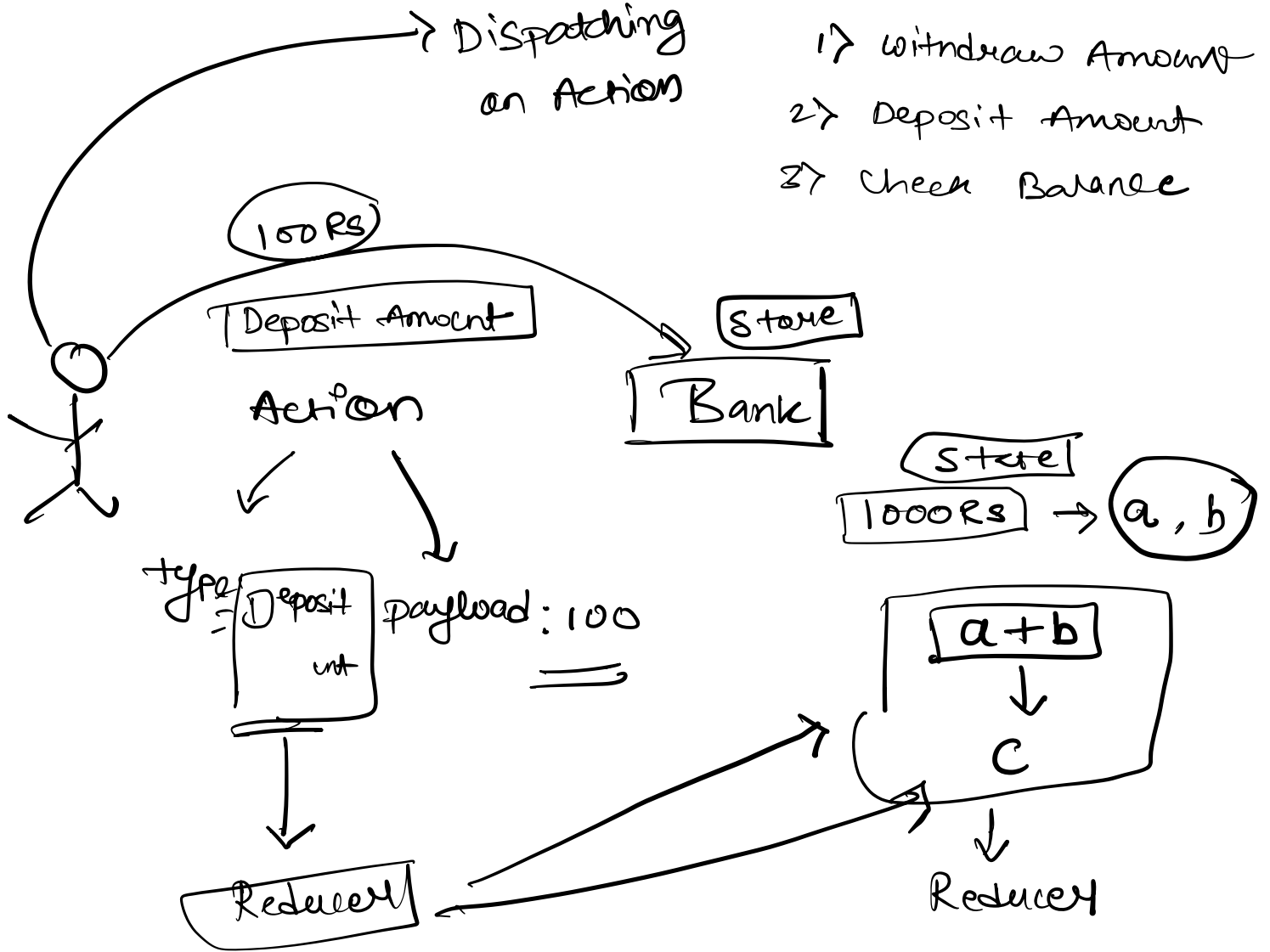Reducers
dispatch

React ___ Redux | Library

Creates a link between React and Redux

1) Access from Anywhere
(use selector)

Store

App

Search   Navbar   Content

useSelector

useDispatch

Comp1   Comp2   Comp3

→ Dispatching
  on Action

1> Withdraw Amount
2> Deposit Amount
3> Check Balance

(100 RS)

| Deposit Amount |

Action

[Store]

| Bank |

| State |
| 1000 RS | → (a , b)

type: | Deposit | Payload : 100
         | ment |
                          =

| a+b |
   ↓
   C
   ↓
Reducer

| Reducer |

→ dispatch
    ↓
  Action

1> Withdraw
2> Deposit
3 Check Balance

type: | Withdraw | Payload (200RS)
         ↓
Reducer ()
   &
      State (1000R) ⊝ Payload
   ↳ | 1000 - 200 | = 800 RS

| 800 | = | return latest state |

$\boxed{\text{State}}$

1> Dispatch

2> Actions — type & payload

3> Reducer

Redux is not only For Reat