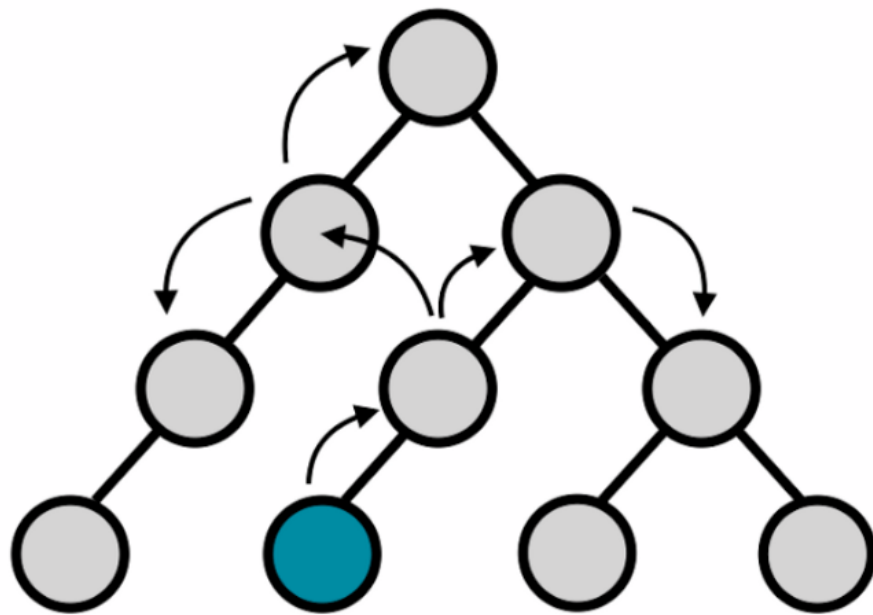


Redux

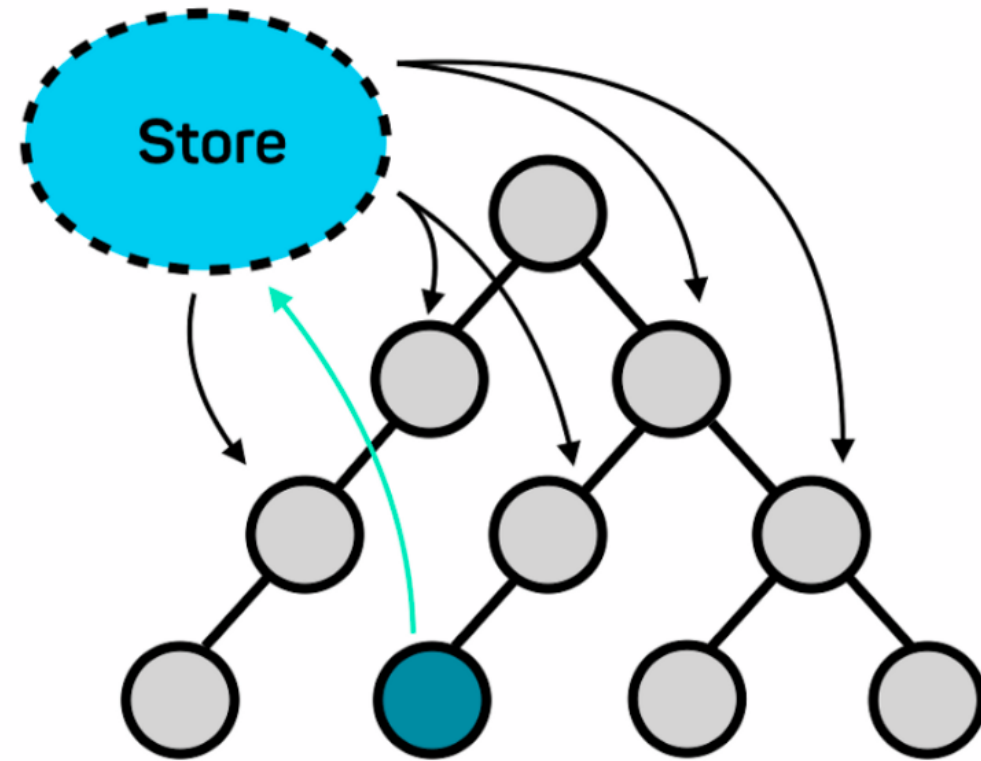
What is Redux?

- Redux helps use to separate (logic) actions, state management, and presentation in good manner.
- Without redux, sometimes, some programmers tends mix all (complex logics and presentation) together. That is hard to maintenance.

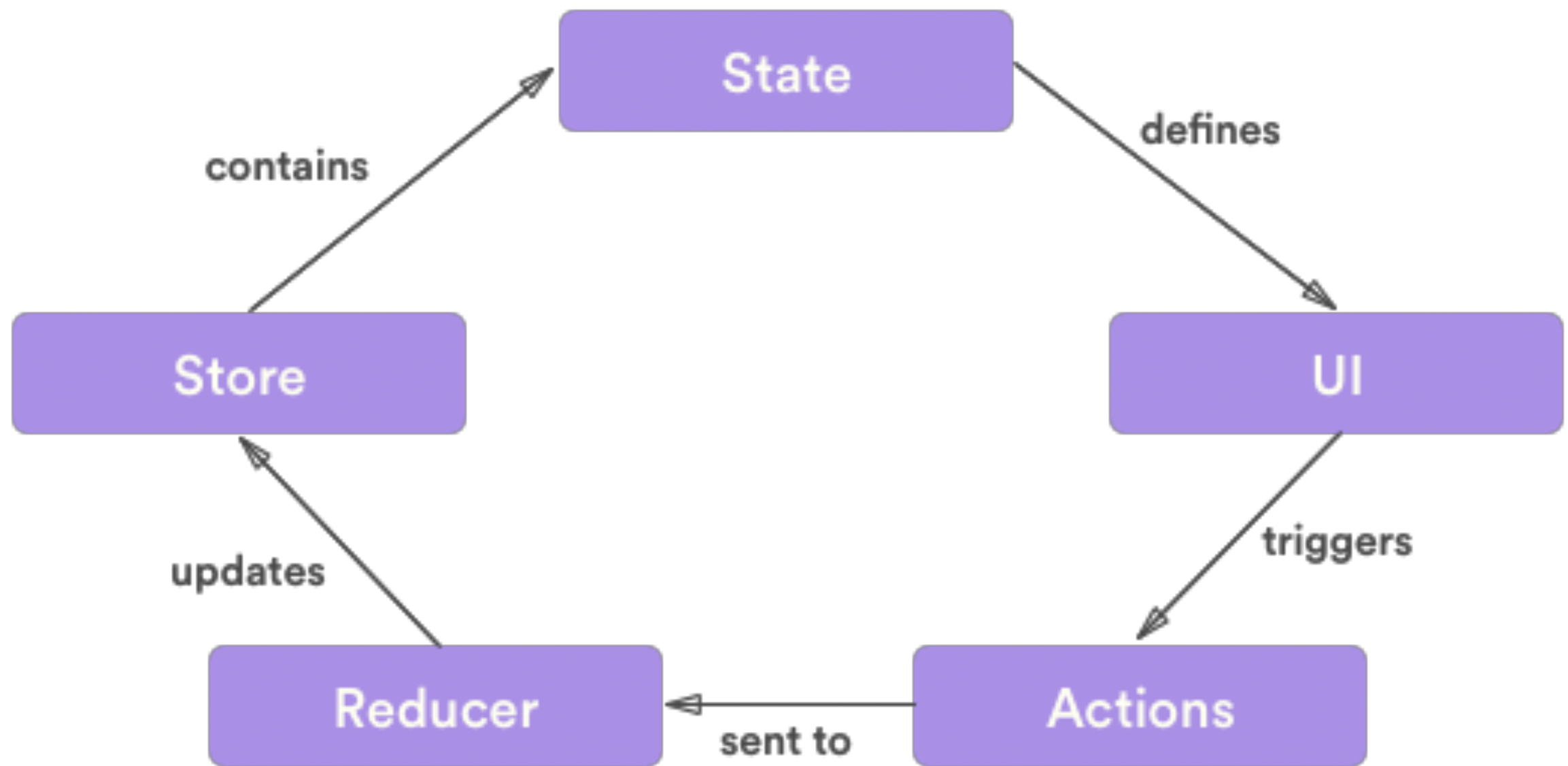
Without Redux



With Redux



Component initiating change



Benefits of redux

- 1. Unit Test
- 2. Share states and actions
- 3. Apply Middleware (Notification, Logger)
- 4. Data Flow (Unidirection Data Flow)

Setup step

1. npm i redux react-redux redux-logger redux-thunk
2. create folders
 - src
 - + actions
 - + components
 - + reducers
3. create Home component (presentation component)
4. create constants.js
5. rxaction in home.action.js
 - setStateToXXXXX (Forward to Redux)
 - component Calling Function (Called by Components, ex: feed)
6. rxreduxcer in home.reducer.js
- 7 index.js in reducers folder (combineReducers(...))
8. copy store.js
9. Apply Provider component to cover App component in index.js
10. The Redux Linking : rxmap to generate
 - mapStateToProps
 - mapDispatchToProps
 - connect(mapStateToProps, mapDispatchToProps)(ComponentName)
11. Usage
 - Calling dispatch ex: this.props.feed, this.props.reset
 - Caling reducer ex: this.props.homeReducer.result