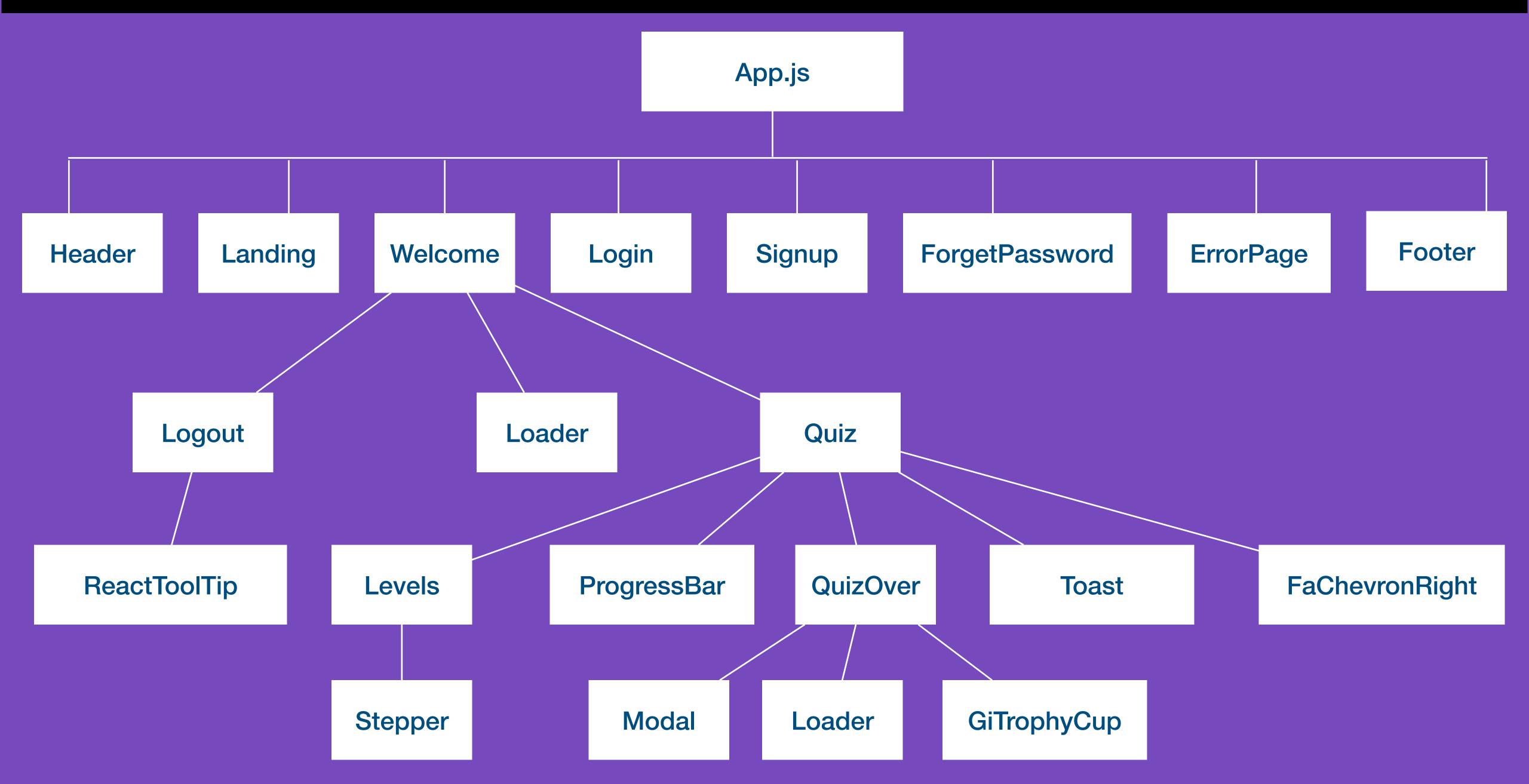
Formation REDUX

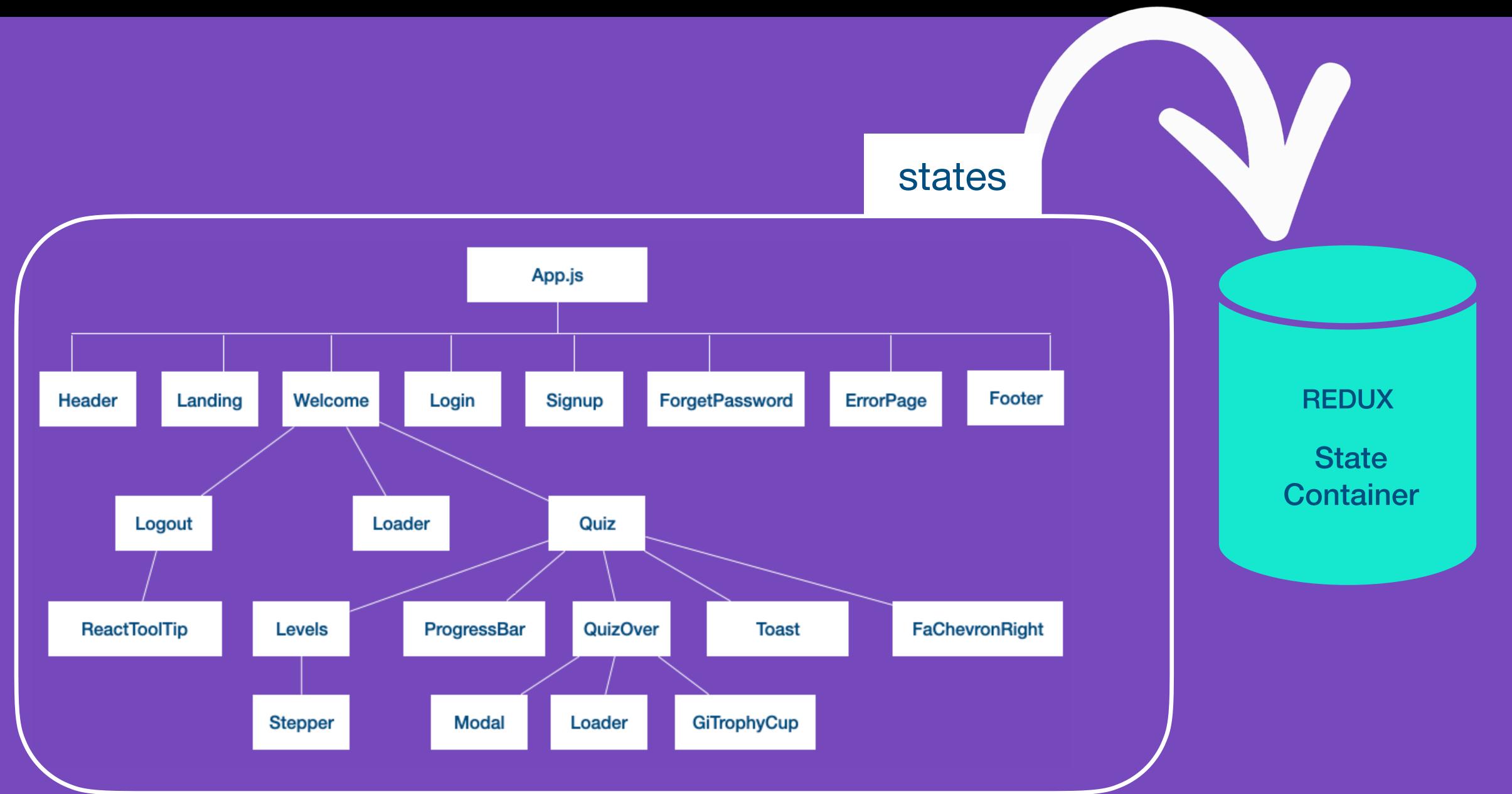
avec React.js



« Redux est un conteneur d'état prévisible pour les applications JS »

Conteneur d'Etat Prévisible Application JS





STORE



```
state = {
    numItems: 9
```

ACTION

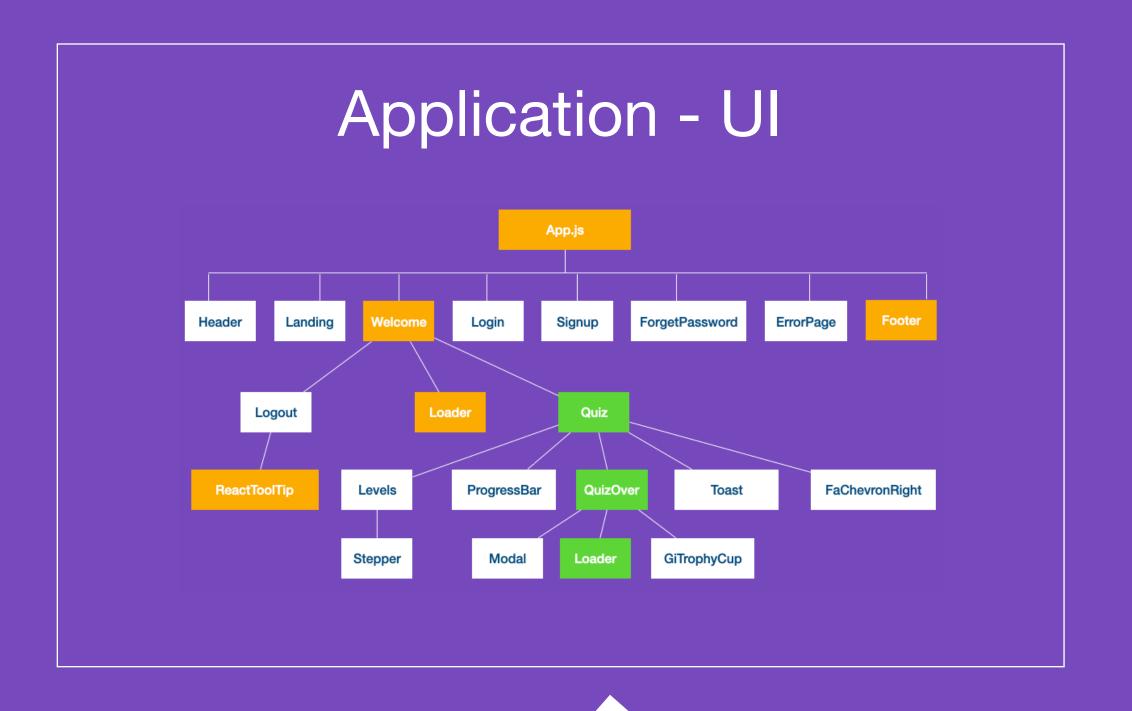


```
type: 'BUY_ITEM'
```

REDUCER

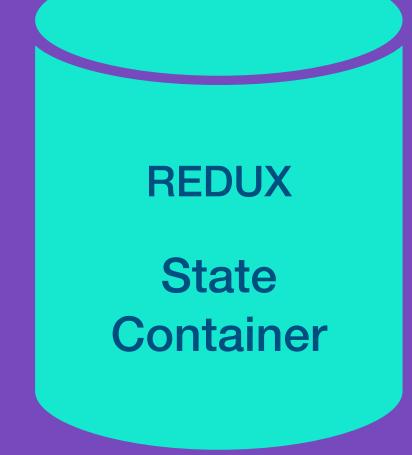


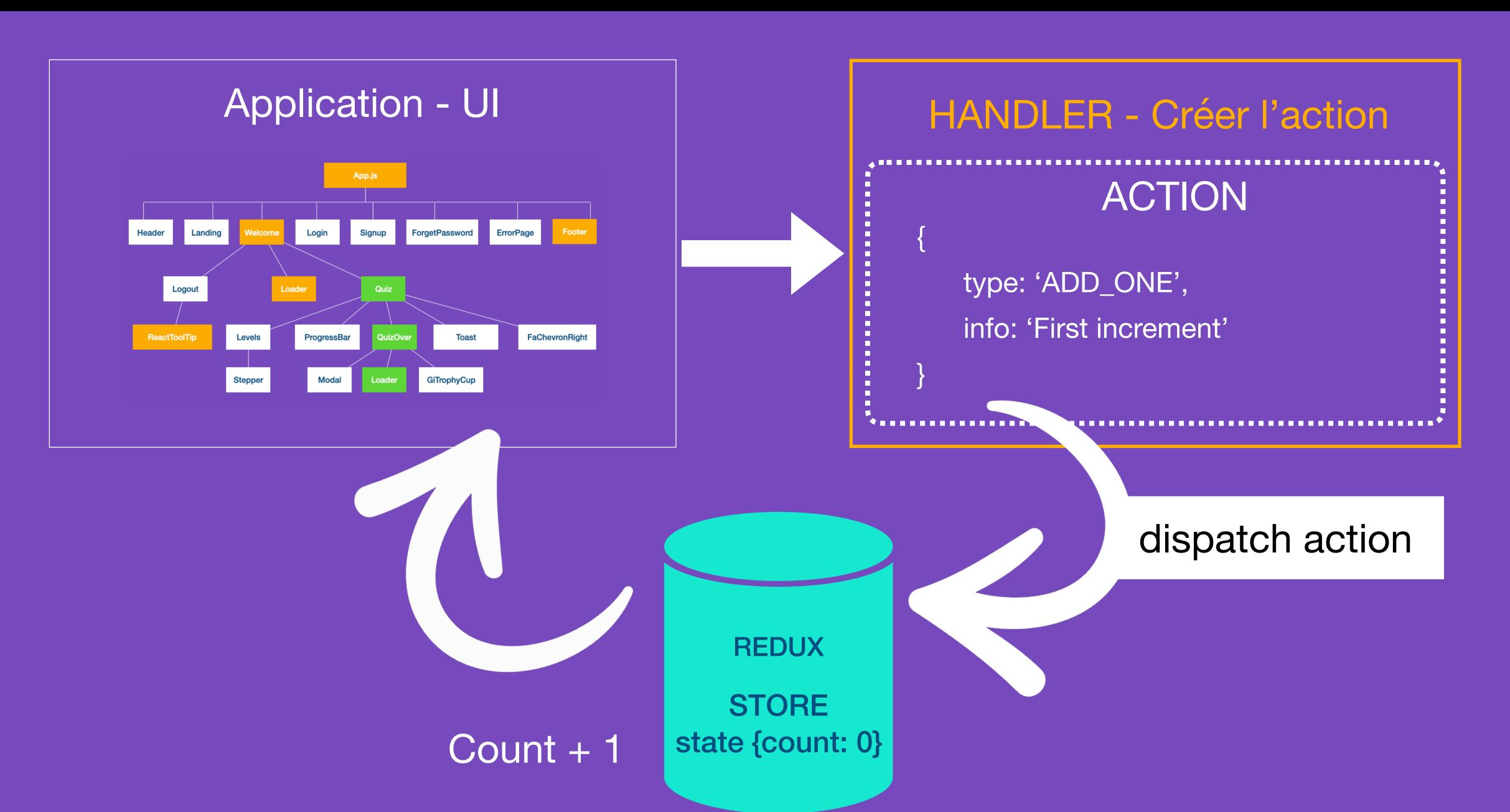
(prevState, action) => newState

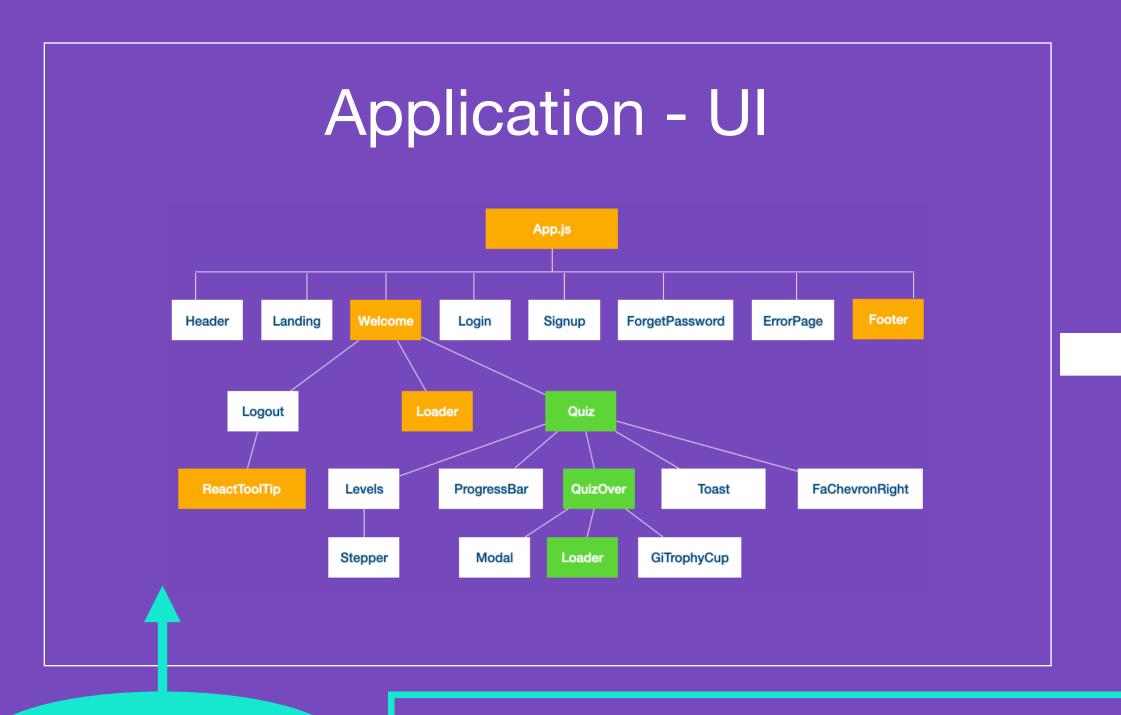


- Mission: Incrémenter « Count » que j'ai dans le state container Redux

Emettre une action (Définir une action via un handler)







HANDLER - Créer l'action

ACTION

type: 'ADD_ONE',

info: 'First increment'

}

REDUX

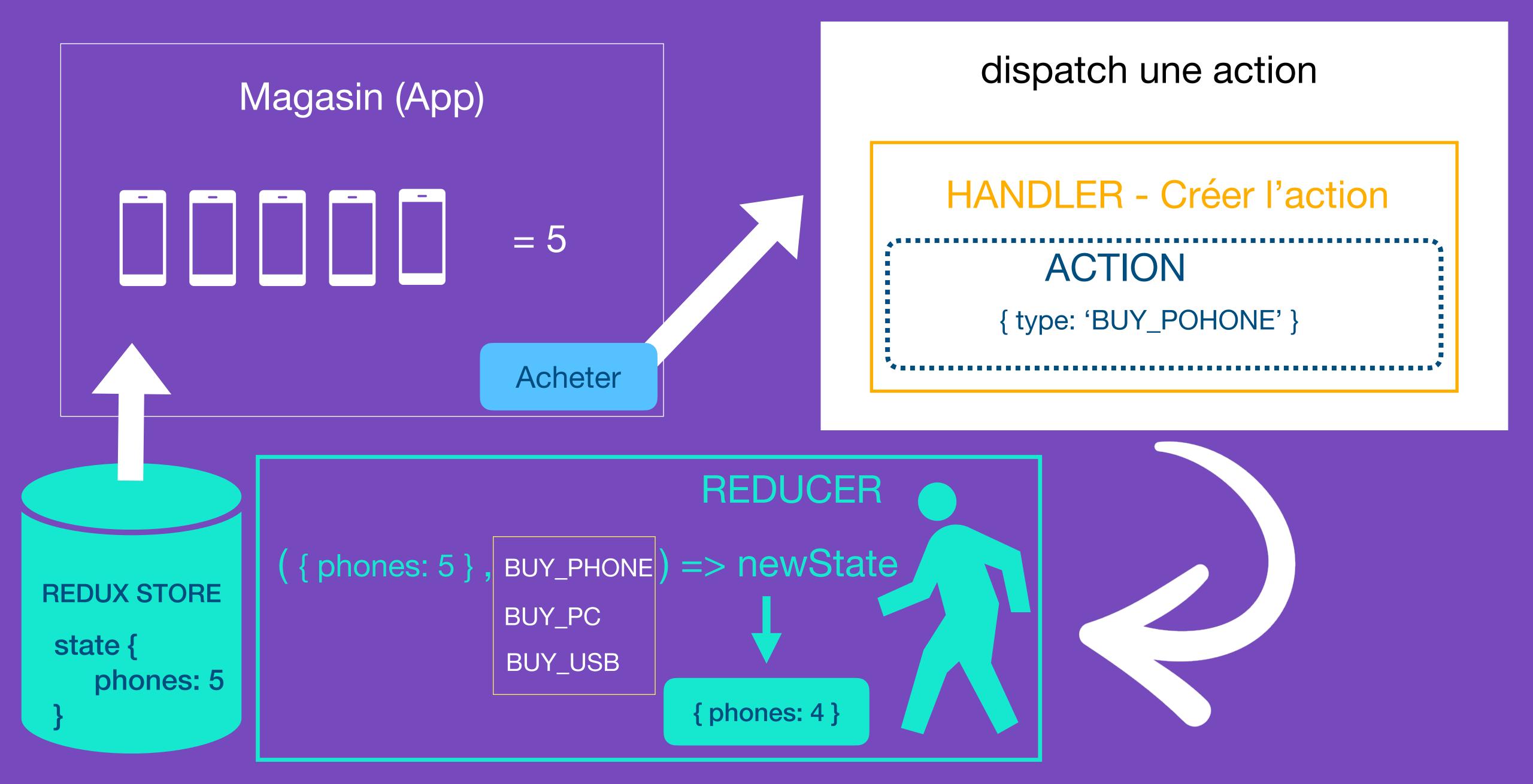
STORE state {count: 0}

REDUCER (pure function)

(prevState, action) => newState

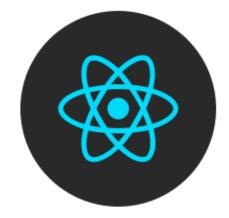
copie du state

dispatch action



Prérequis





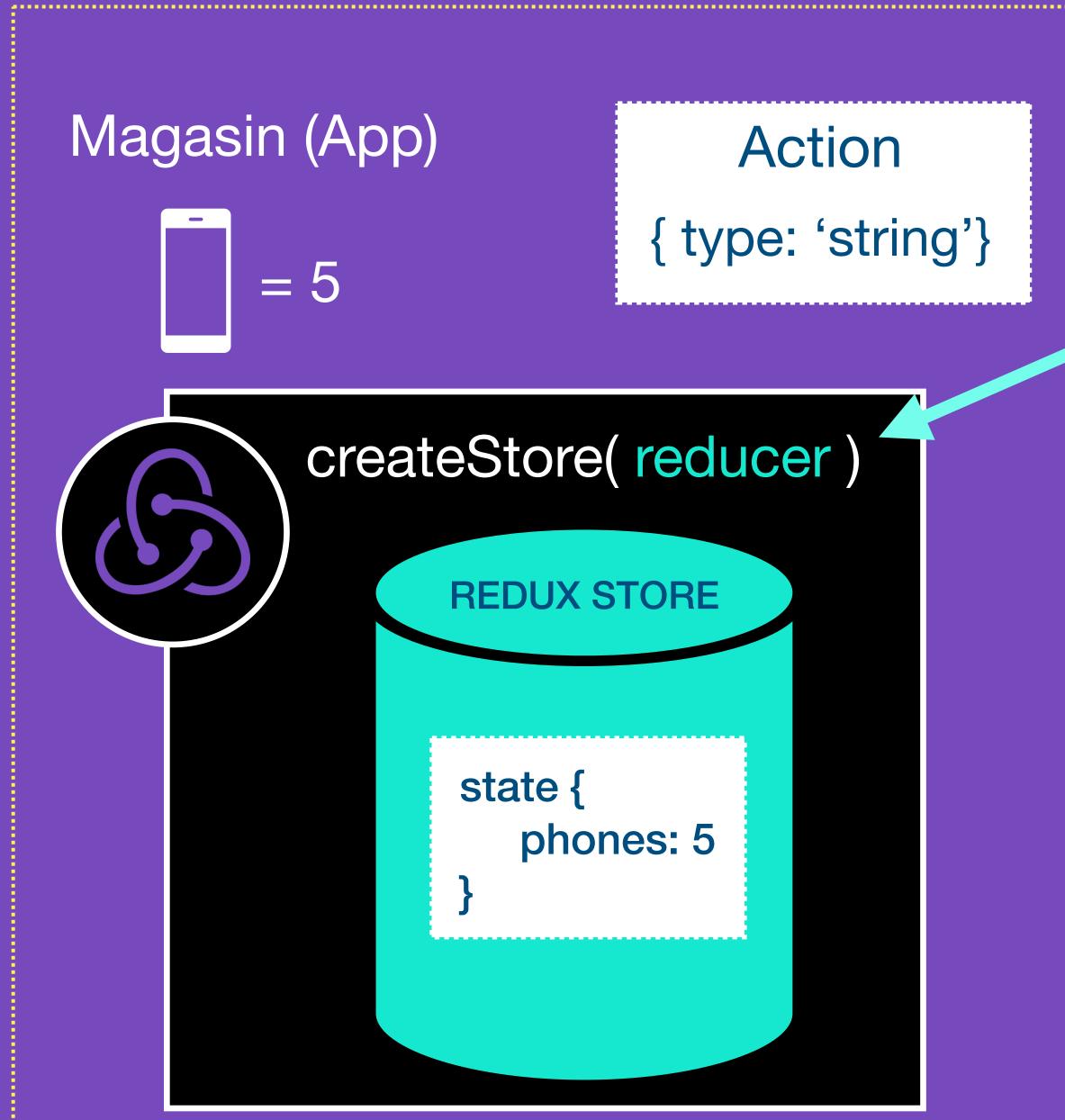
Outils

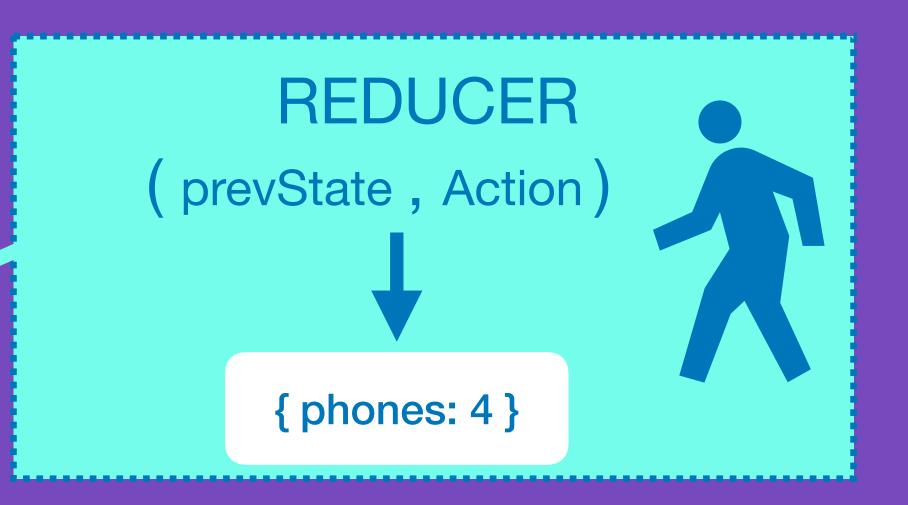












Magasin (App)

REDUX STORE

state { phones: 5 }

getState()

dispatch(action)

Action

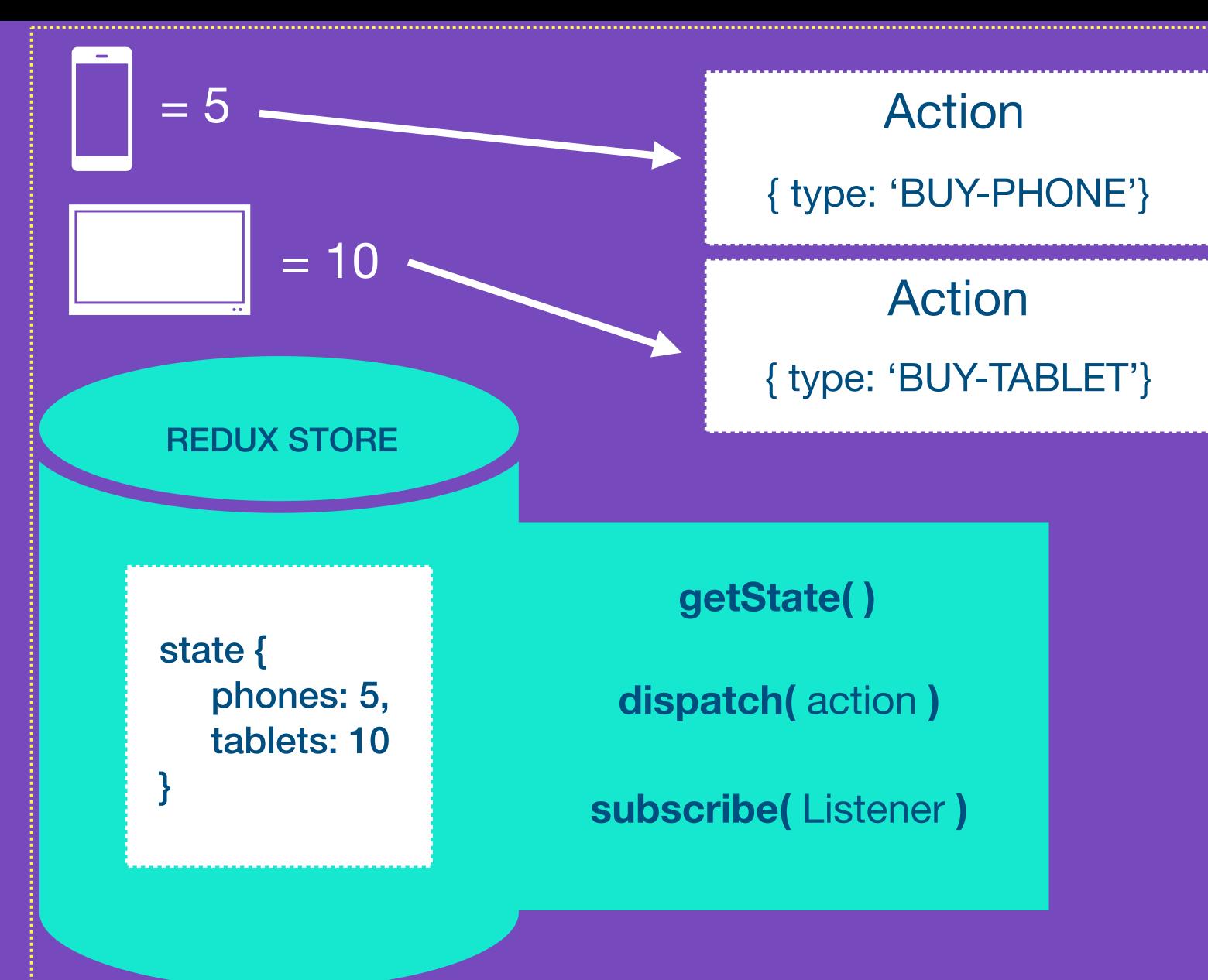
{ type: 'string'}

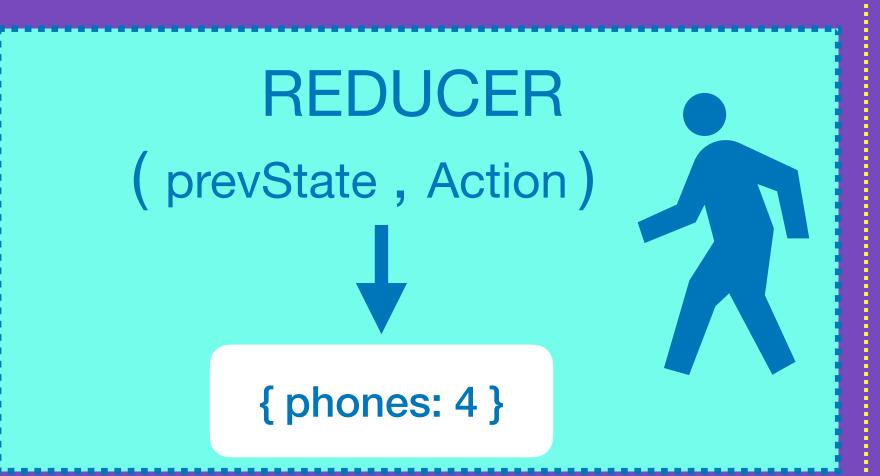


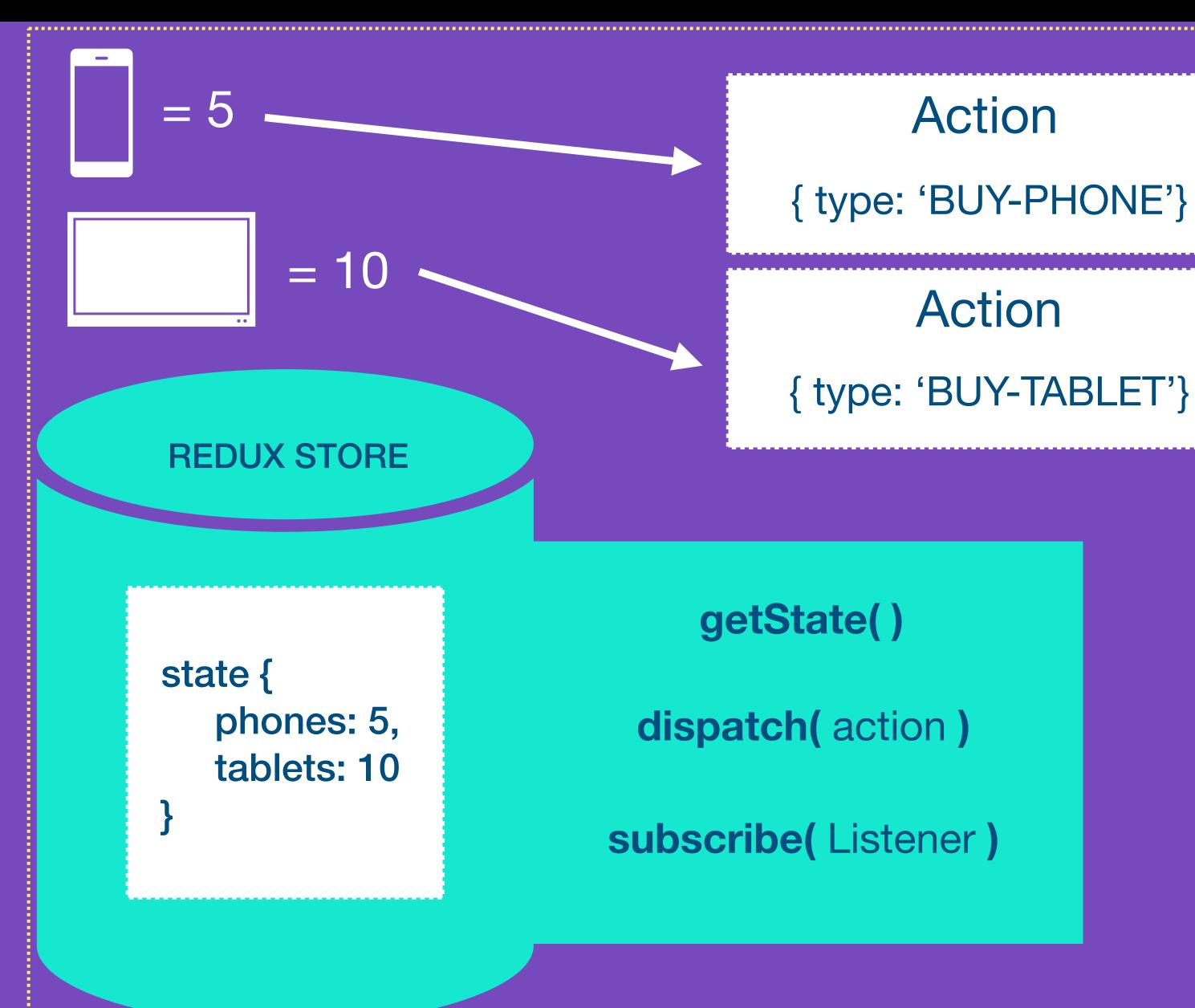
Permet l'accès au Store

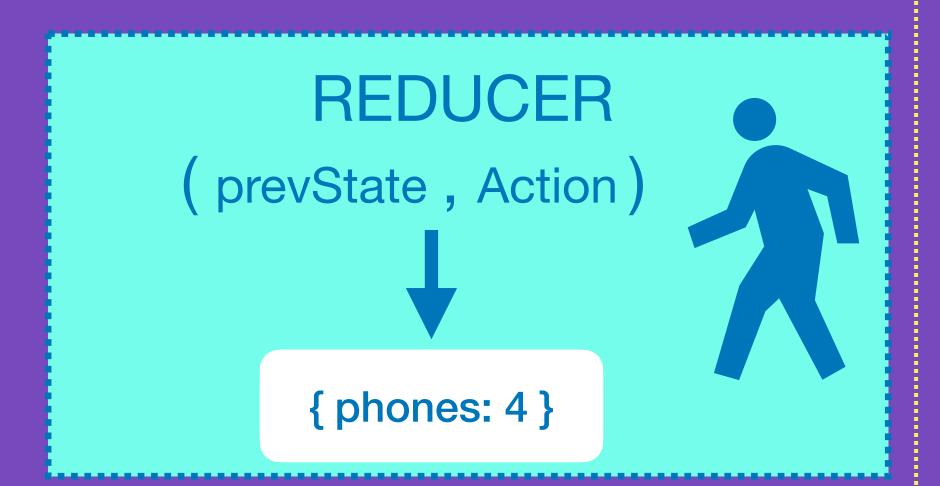
Effectuer le dispatch d'une action

subscribe(Listener) Le listener se lance à chaque modification du state (dans store)













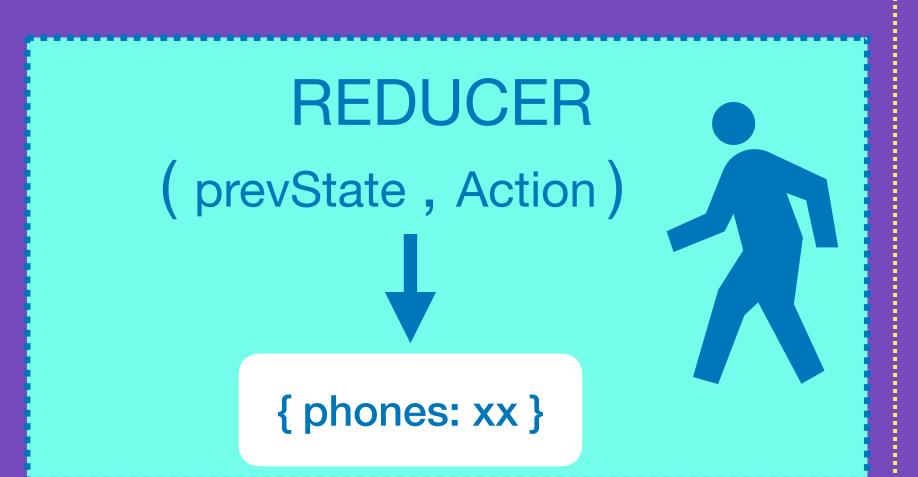
Action

{ type: 'BUY-PHONE'}



Action

{ type: 'BUY-TABLET'}



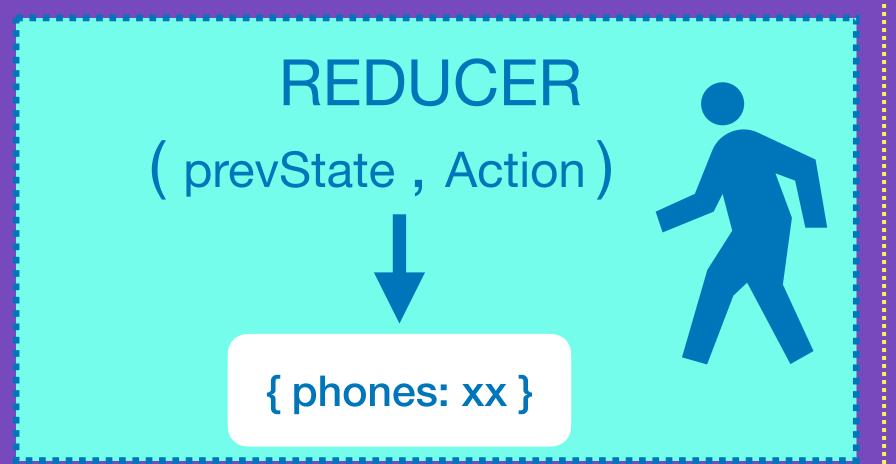
REDUX STORE

```
statePhones {
    phones: 5,
    tablets: 10
}
stateTV {
    tv: 20
}
```

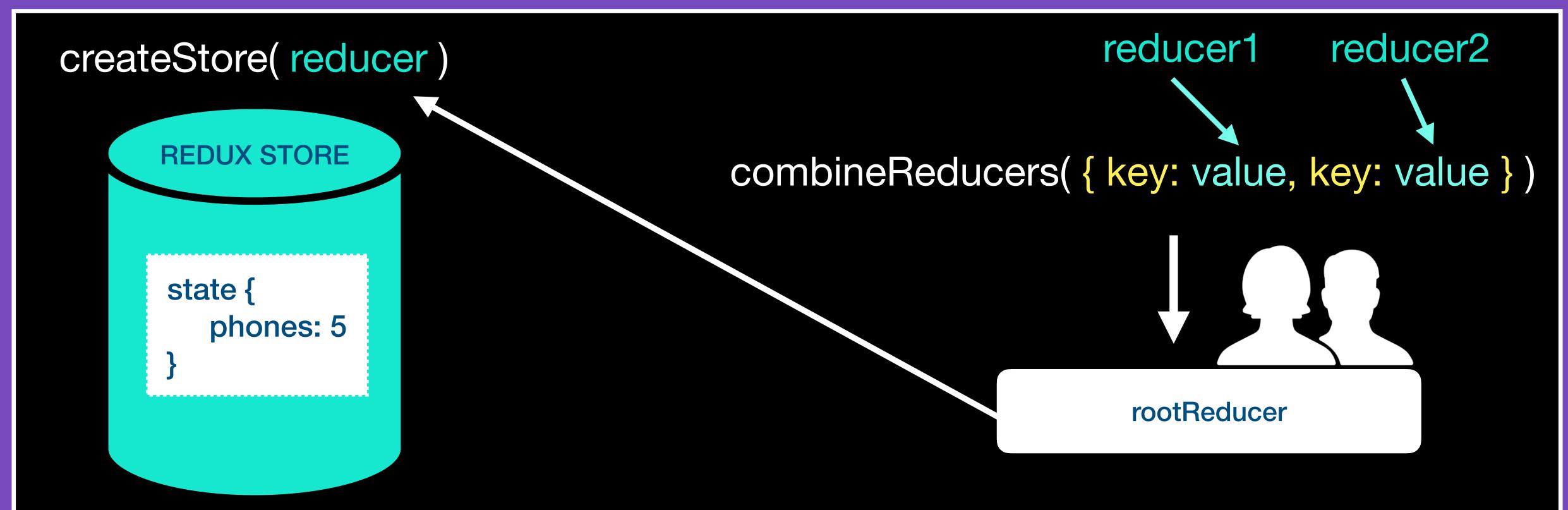


Action

{ type: 'BUY-TV'}









Attention: Pour continuer, vous devez maîtriser les fondamentaux de React!

Magasin (App)

REDUX STORE

state { phones: 5 }

getState()

dispatch(action)

Action

{ type: 'string'}

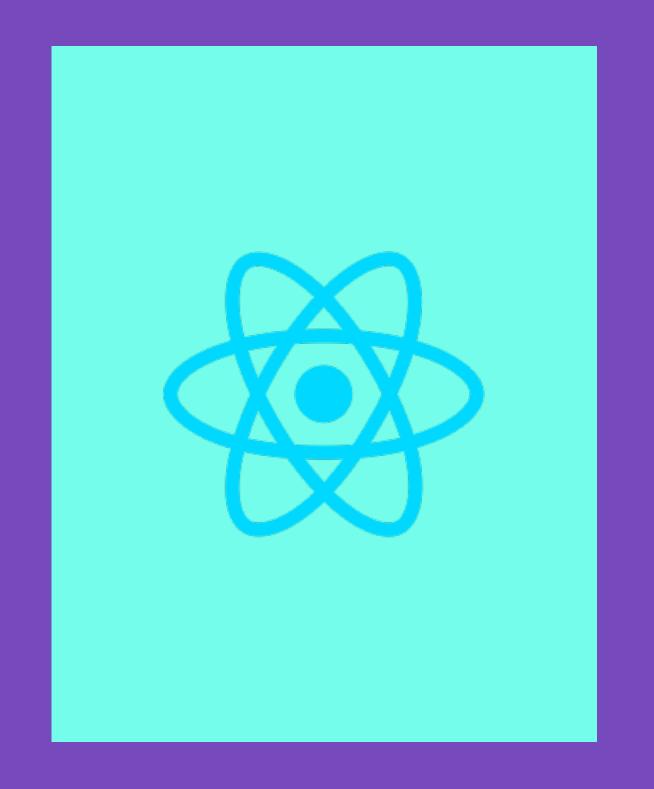


Permet l'accès au Store

Effectuer le dispatch d'une action

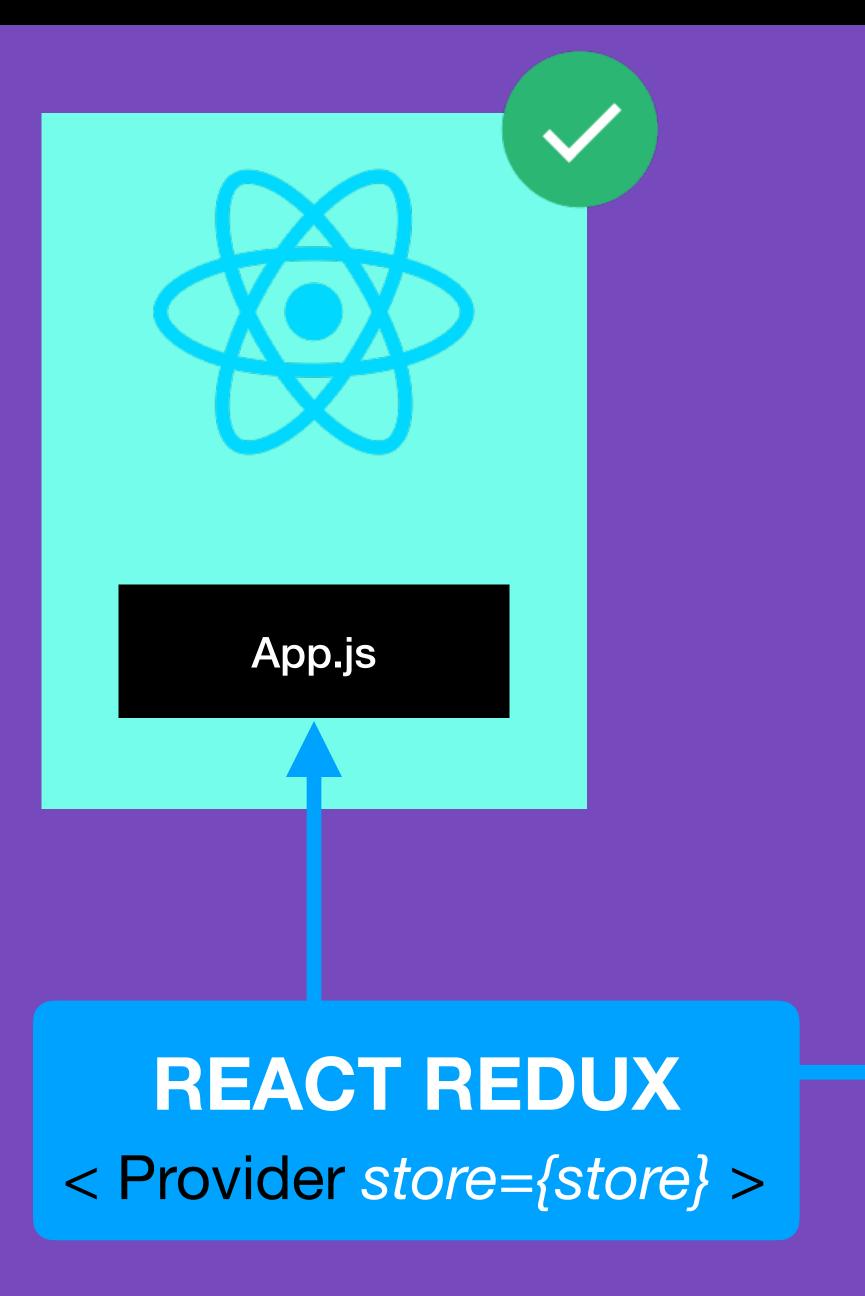
subscribe(Listener) Le listener se lance à chaque modification du state (dans store)

- Créer notre application React via create-react-app
- Créer notre composant PhoneComponent
- Créer notre Action via la fonction de création d'action
- Créer notre Reducer



ACTION

REDUCER



ACTION

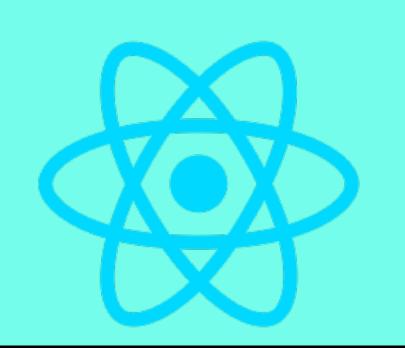
REDUCER





- Créer le store
- Connecter Redux à React

Redux Store







REDUCER



App.js

phoneContainer.js

mapStateToProps()

mapDispatchToProps()

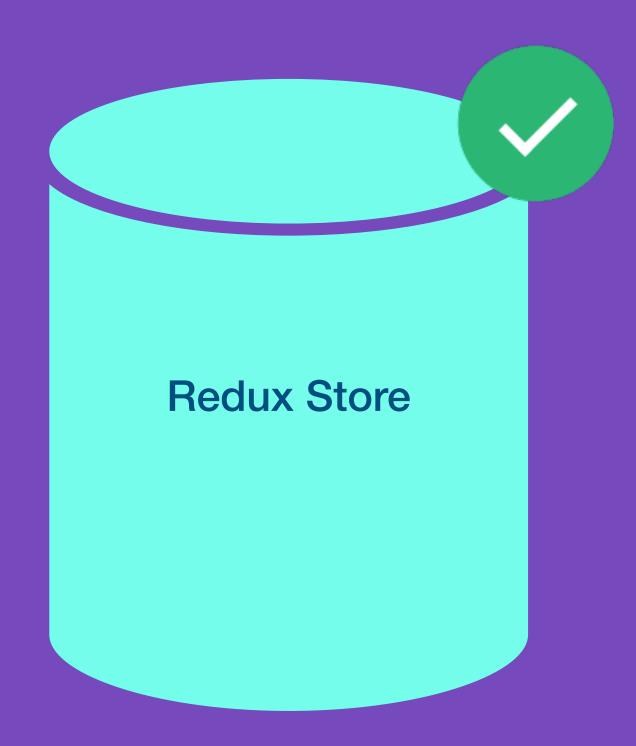
useSelector (hook)

useDispatch (hook)

REACT REDUX

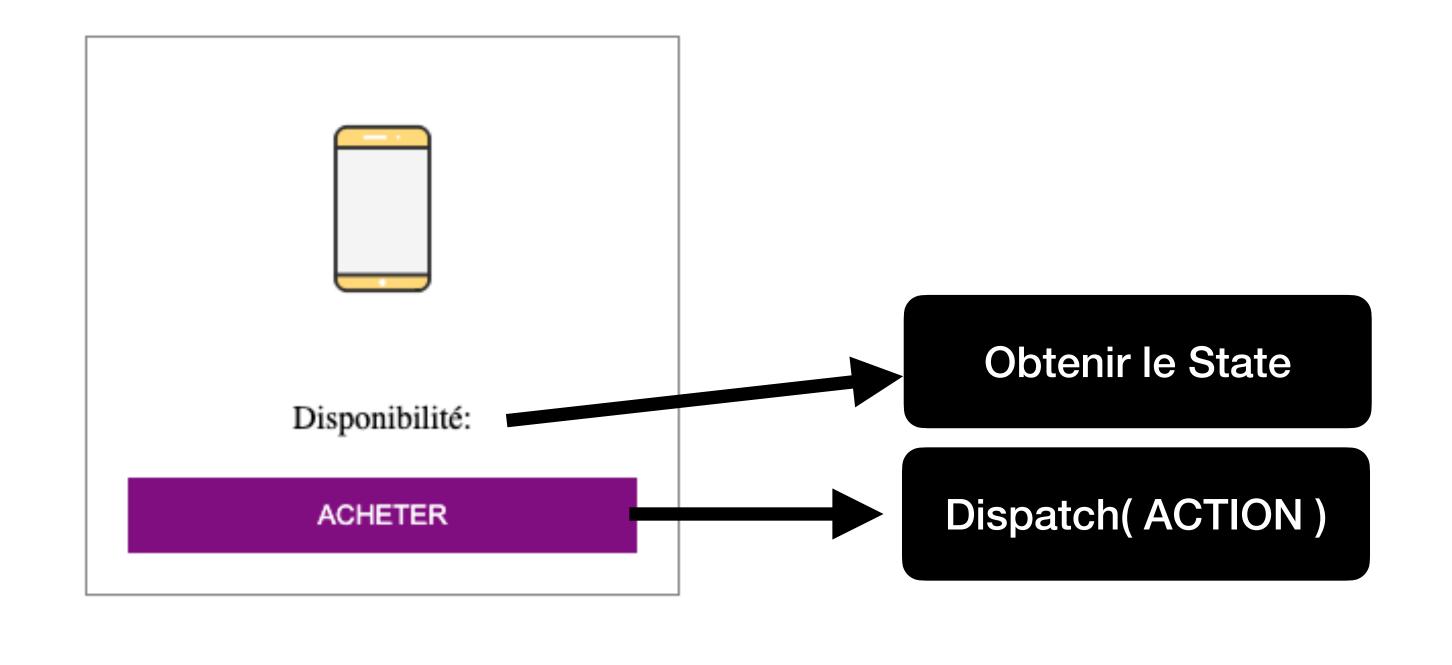
Provider <a>connect() HOC

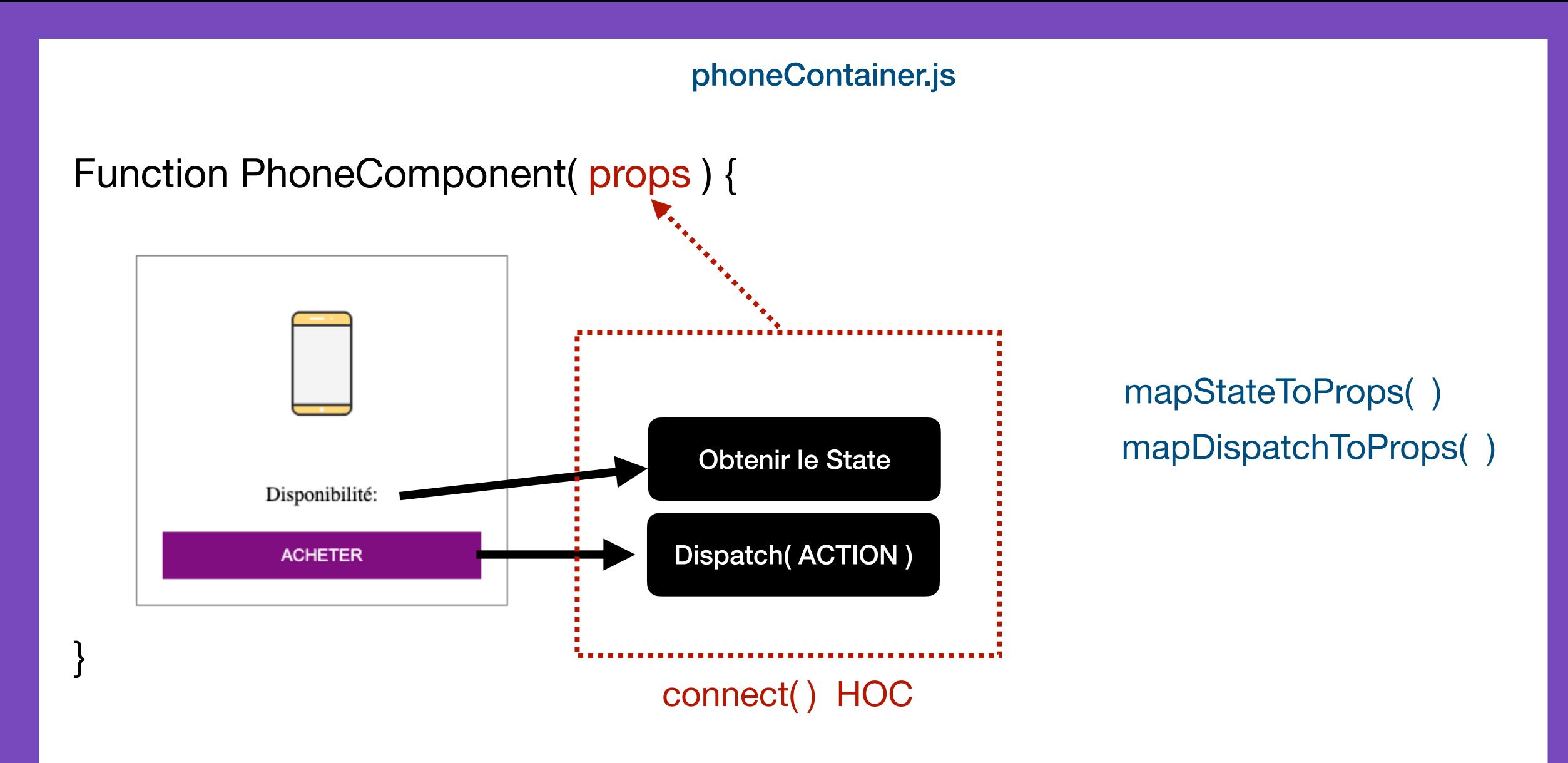




phoneContainer.js

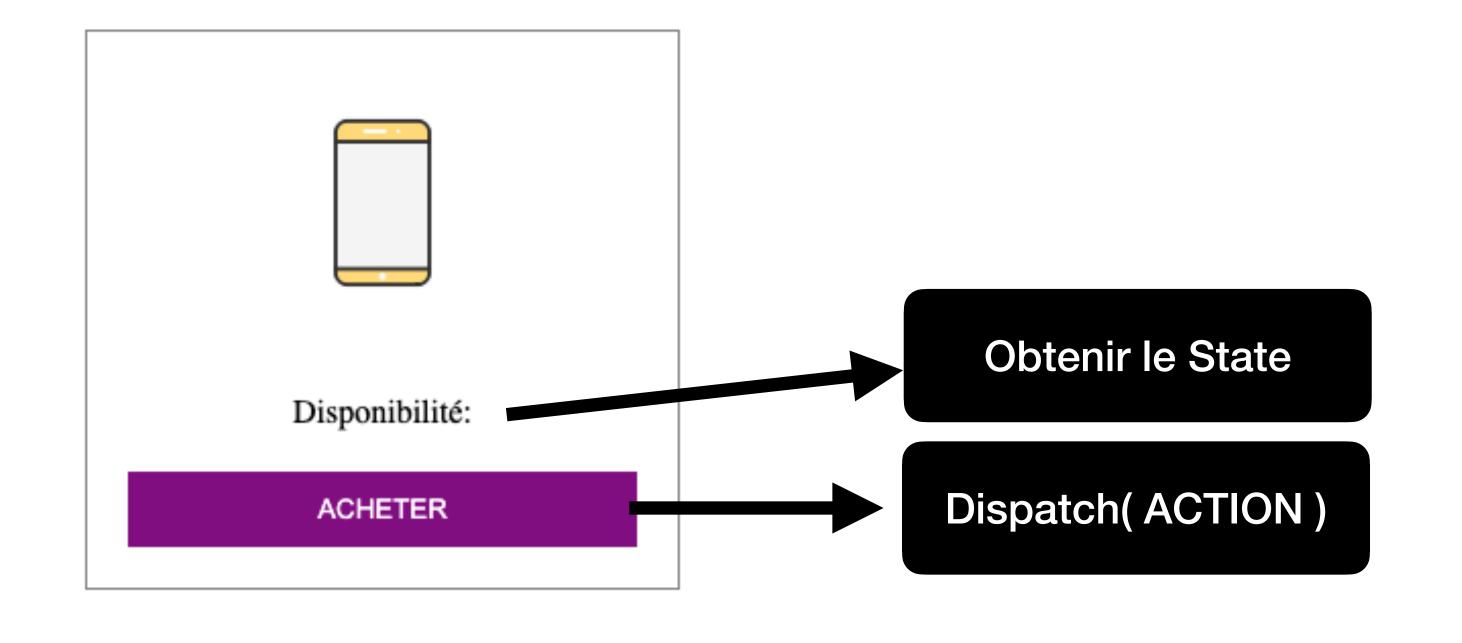
Function PhoneComponent() {





phoneContainer.js

Function PhoneComponent() {

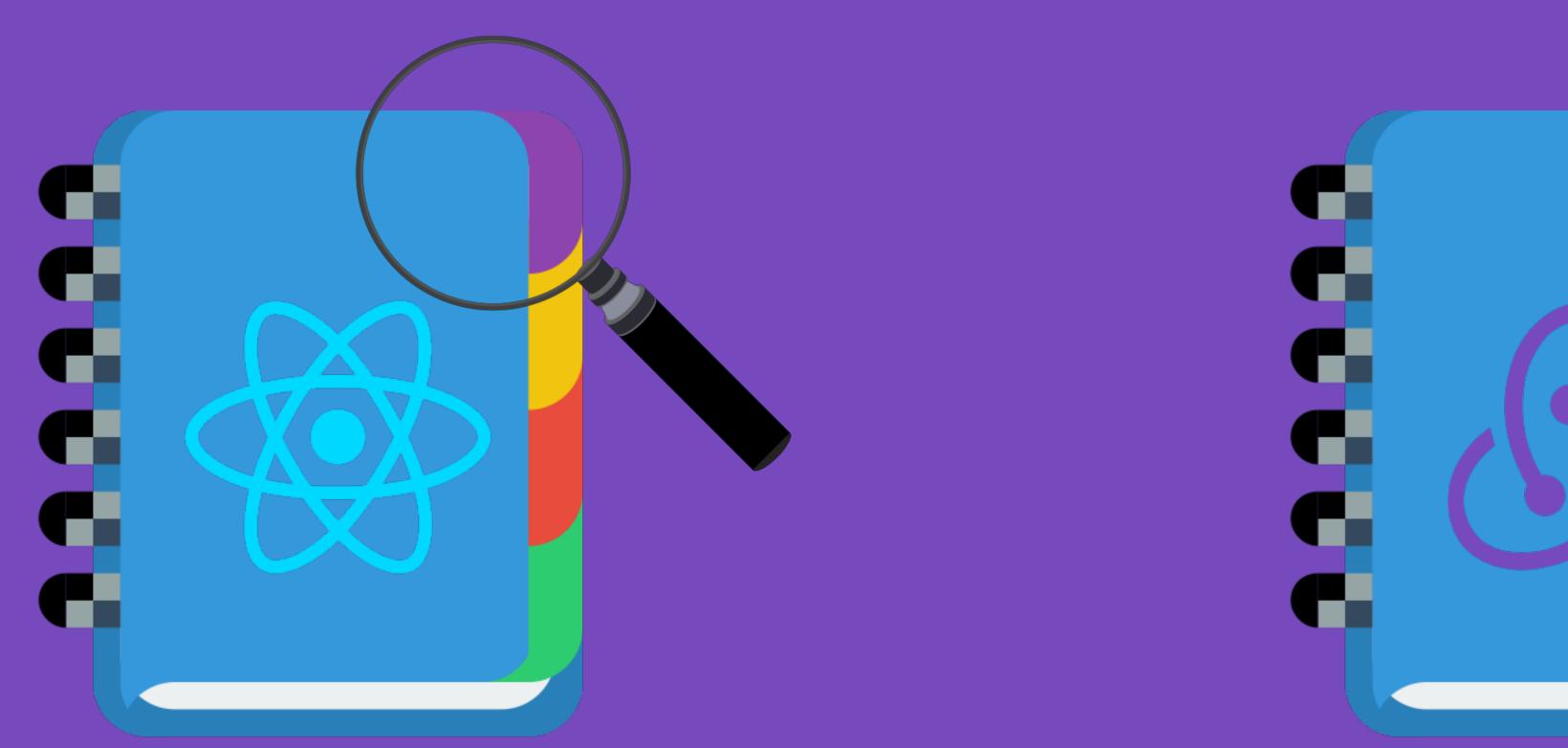


REACT REDUX



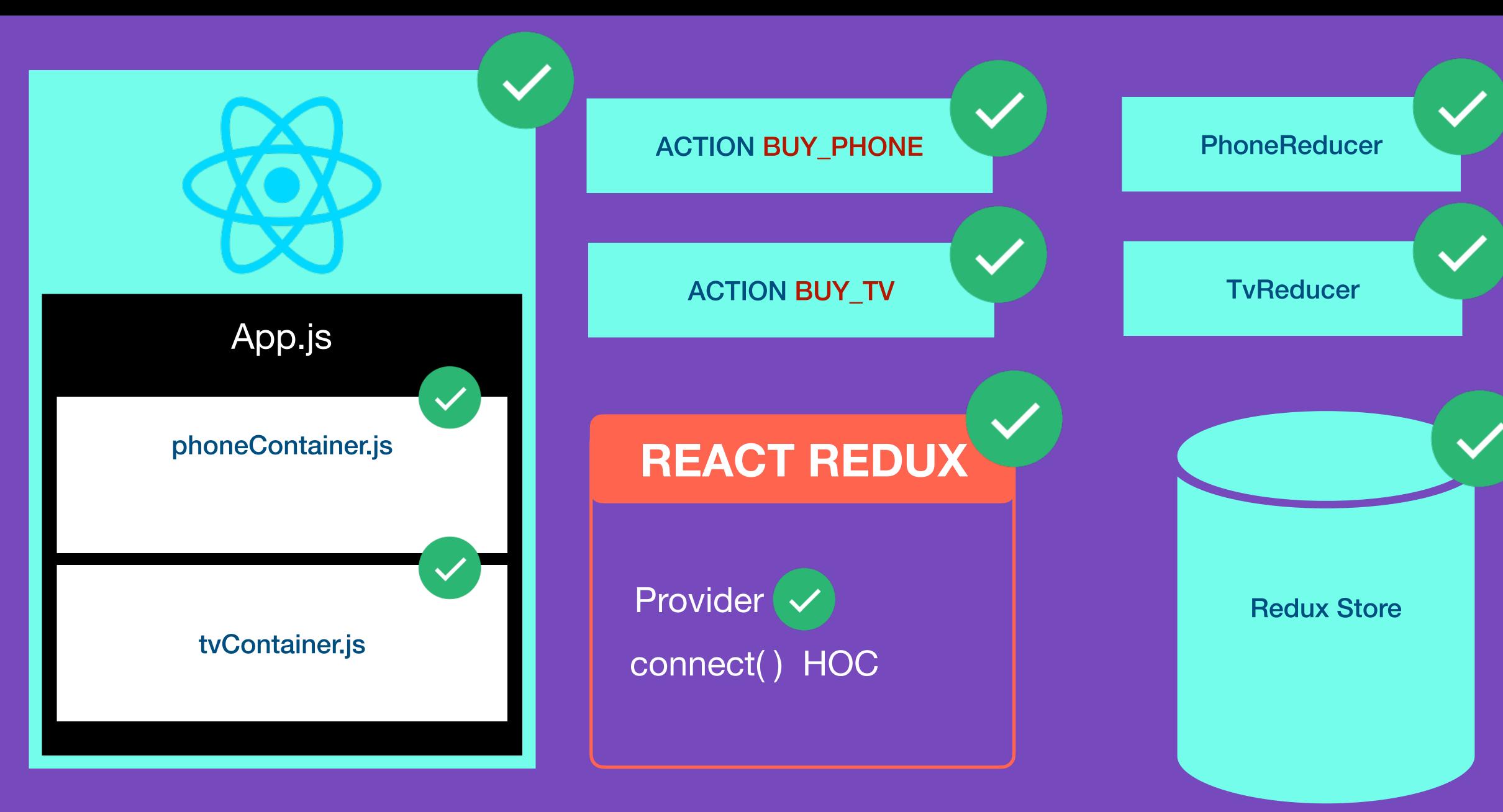


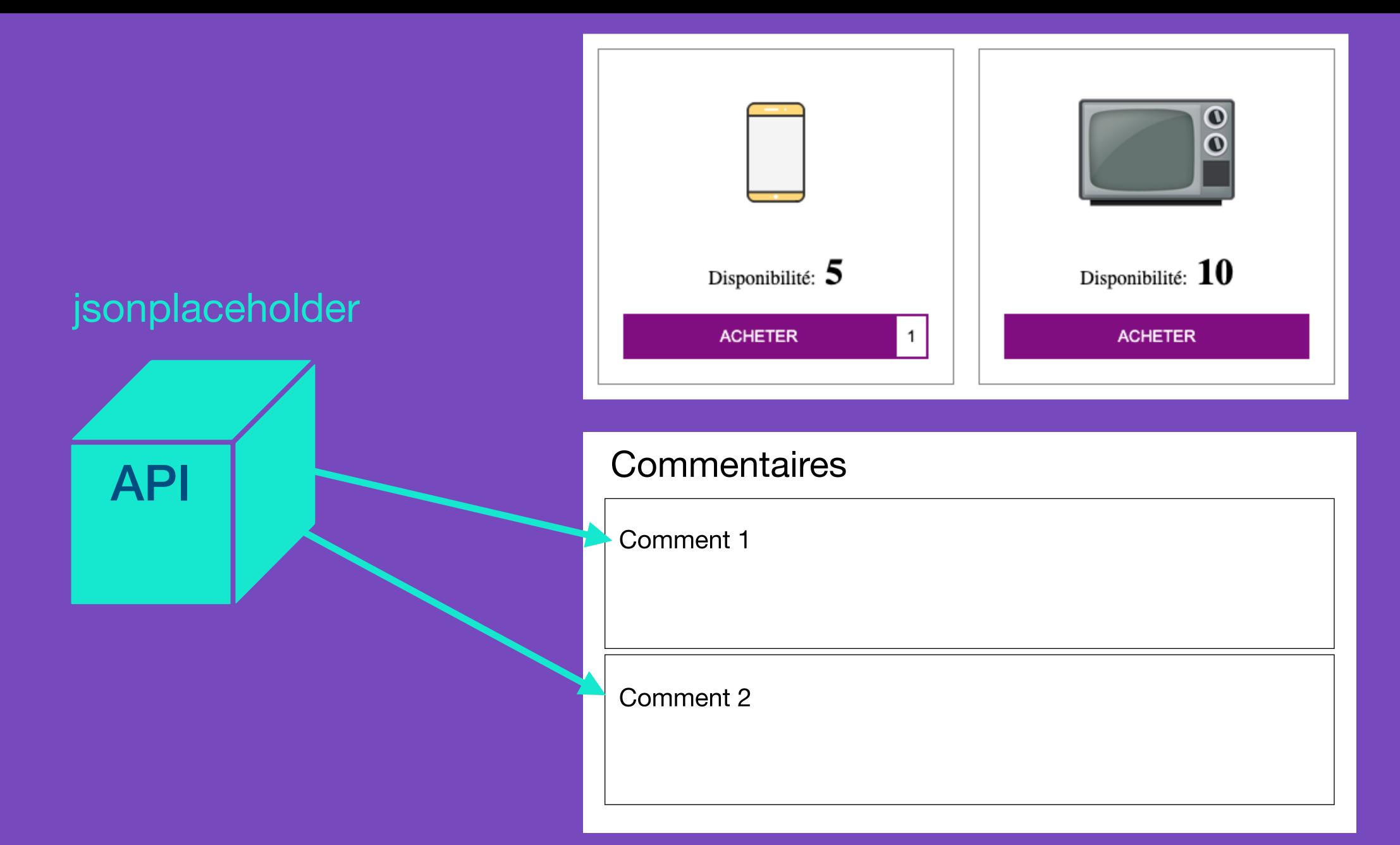
Lire la documentation





Les bonnes informations + mises à jour

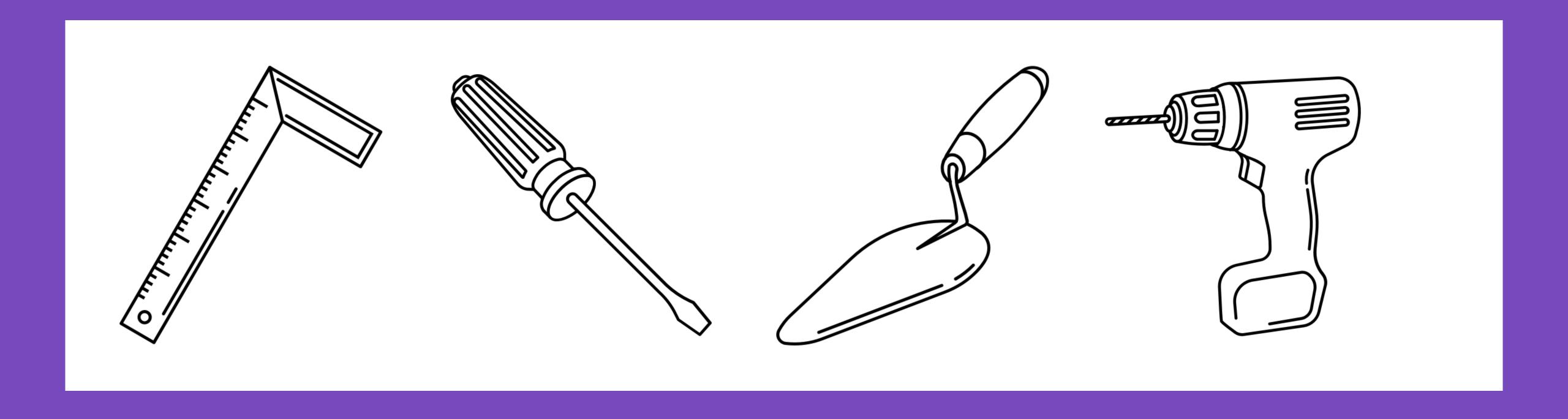




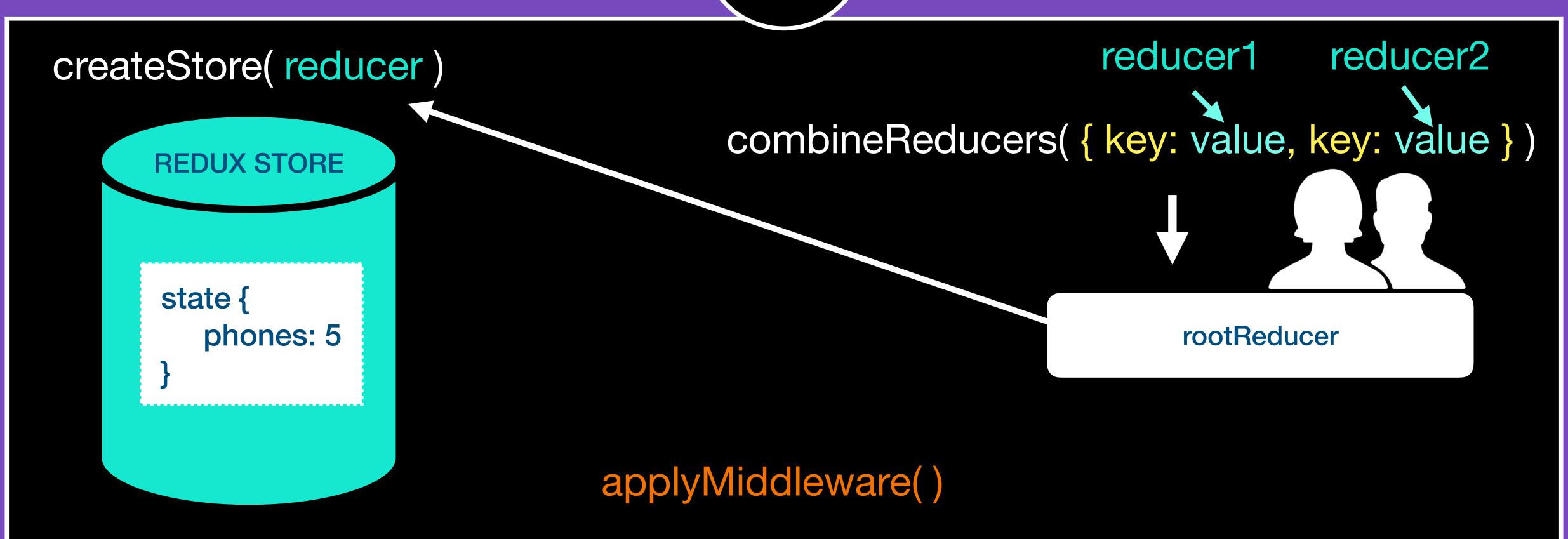
Function A() Middleware Function B()

Redux Middleware

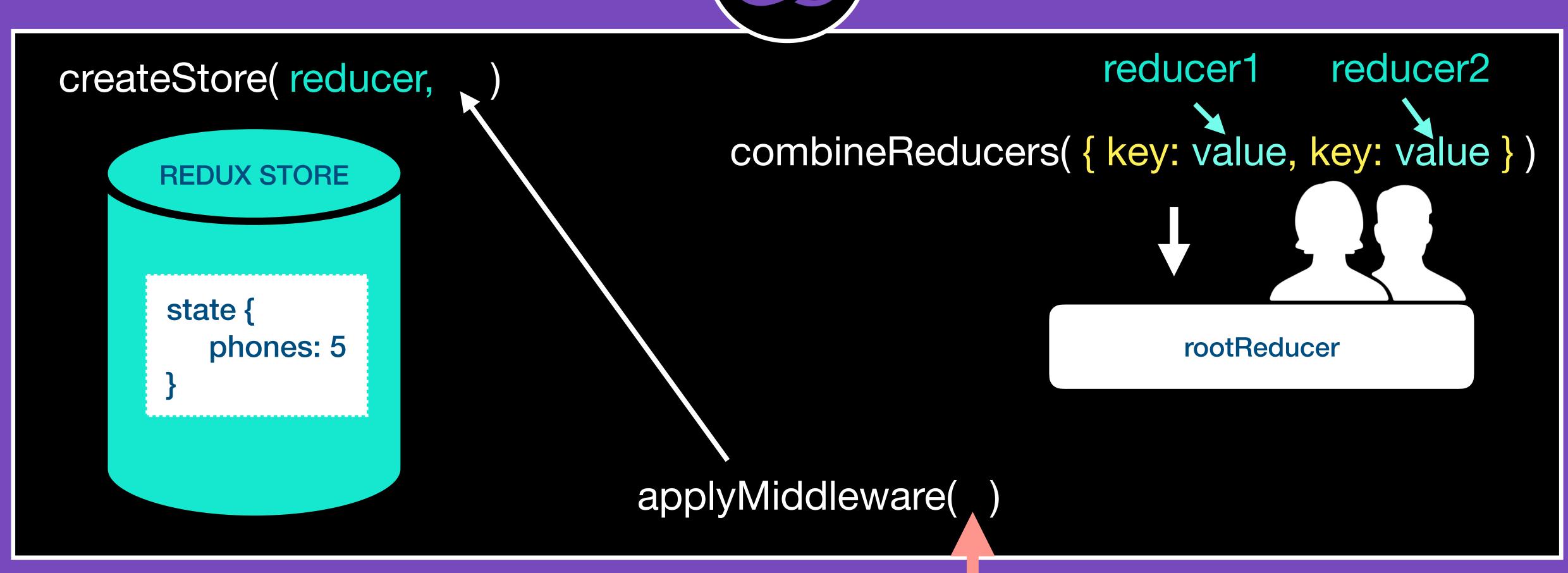
(plus de fonctionnalités)











Redux-Thunk

dispatch(action) _____ (Middleware - API calls) ____ reducer()

1- Action synchrone



2 - Action asynchrone (exemple: API call)

