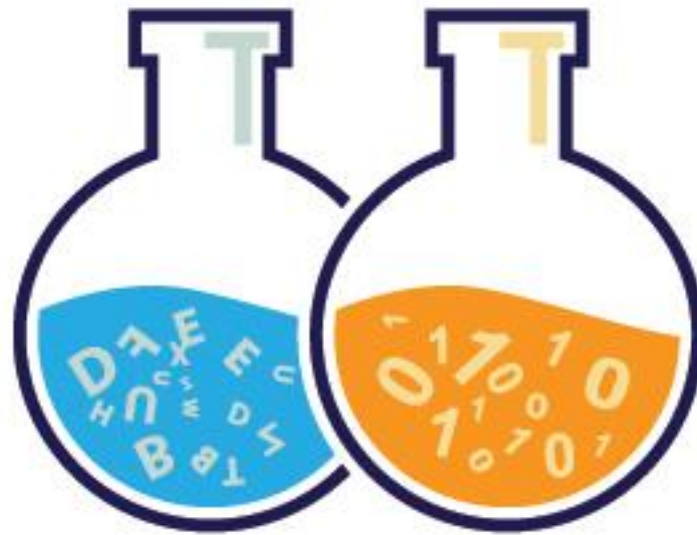
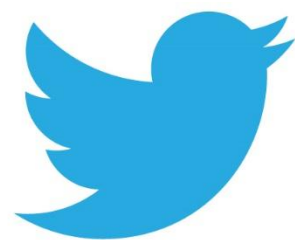


React

Скрытые угрозы

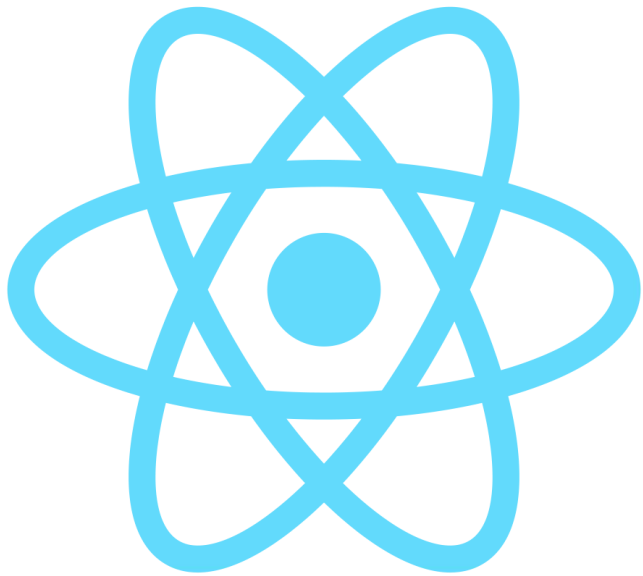


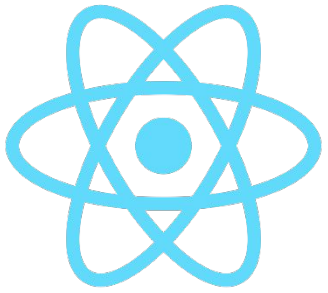
SmartJS.Academy WookieeLabs



xanf_ua

История мира JavaScript





Экосистема

react-autocomplet

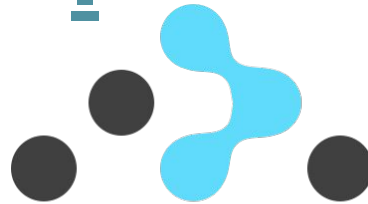
e

react-tab

s

react-modals

!



REACT/ROUTER



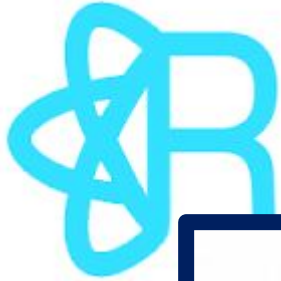
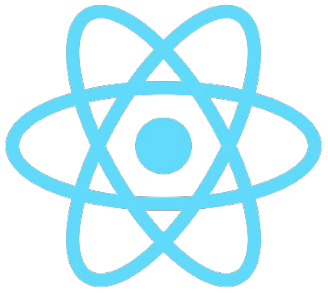
Flux





Feature coverage

- Server-Side rendering
- Canvas / WebGL / etc.
- Mobile (React Native)
- JSX & Tools

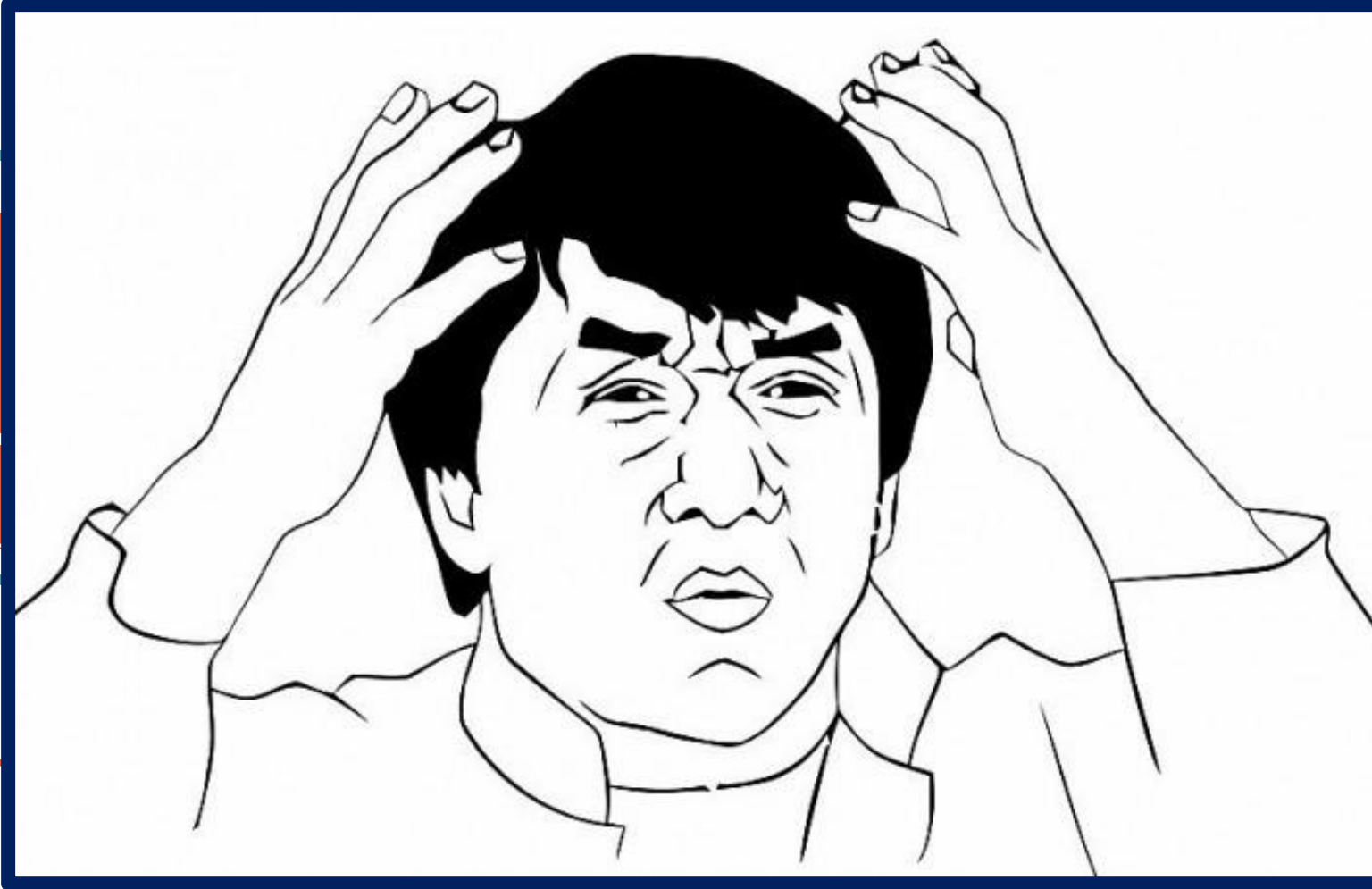


Парадигма

Store

Contai

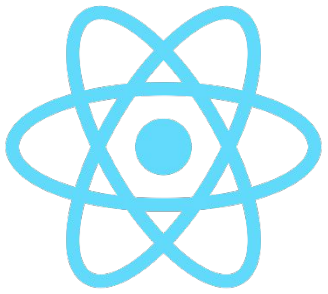
ware



Component
6

Р

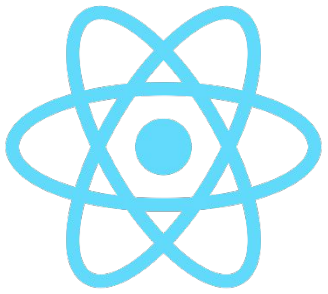
Component
7



Дьявольски быстрый

Virtual DOM

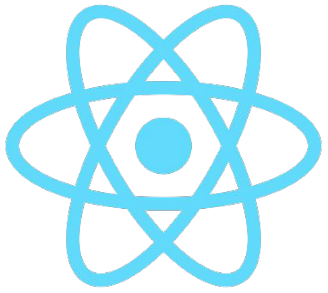
shouldComponentUpdate



connect

```
connect(  
  ({ users, fav }) => ({ users, fav }),  
  (dispatch) => ({ actions: {  
    loadUsers, markFavorite, select, clear  
  }})  
) (FriendsList)
```

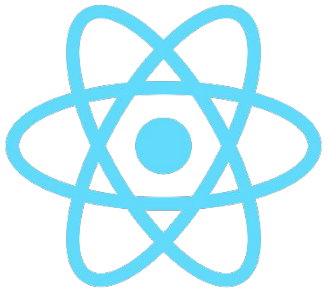




shouldComponentUpdate

```
{ actions: { a: function, b: function } }
```

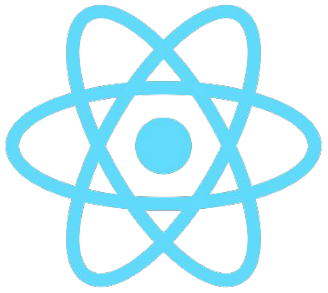
```
shouldComponentUpdate(nextProps, nextState) {  
  return !shallowE(this.props, nextProps) ||  
    !shallowE(this.state, nextState);  
}
```



connect #2

```
connect(  
  { users, fav } => ({  
    users,  
    favoriteUsers: users.filter(u =>  
      fav.contains(u.id)  
    })  
  })  
) (FriendsList)
```



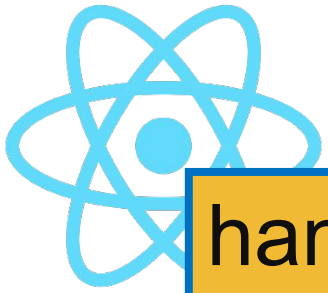


M: Memoization

reselect

```
export const favSelector =  
  createSelector(  
    state => state.users,  
    state => state.fav,  
    ( users, fav ) =>  
      users.filter(  
        u => fav.contains(u.id)  
      )  
  )  
;
```

```
connect(state) => ({  
  state.users,  
  favoriteUsers:  
    favSelector(state)  
})
```



`..bind`

```
handleClick = ({target}) => {  
  this.props.setChecked(target.value);  
}
```

```
ha  
t  
}
```

```
}
```

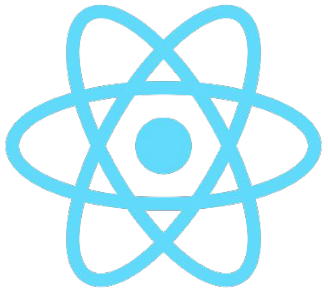
```
render() {
```

```
//...
```

```
<input onClick="::this.handleClick" />
```

```
}
```

FAILED

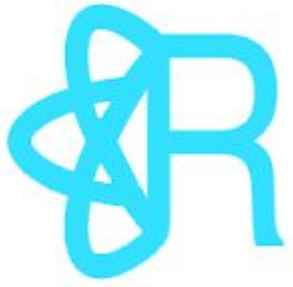
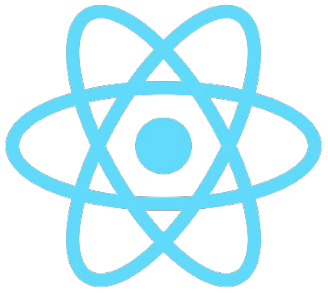


::bind #2

```
handleClick = name => value => {  
  this.props.setFilter({[name]: value});  
}
```

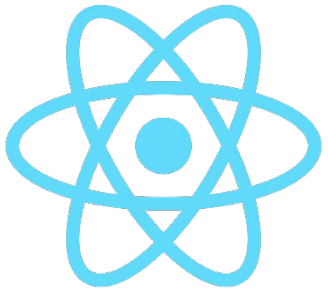
```
< ... onClick="this.handleClick.bind('user') >  
< ... onClick="this.handleClick.bind('admin') >
```





M: Memoization

- ❑ render не должен порождать новых сущностей
- ❑ новые сущности очень коварны
- ❑ [], { }
- ❑ тестируйте свои компоненты



redux

Action 1

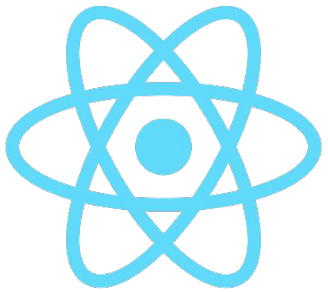
Action 2

Action 3

action creators

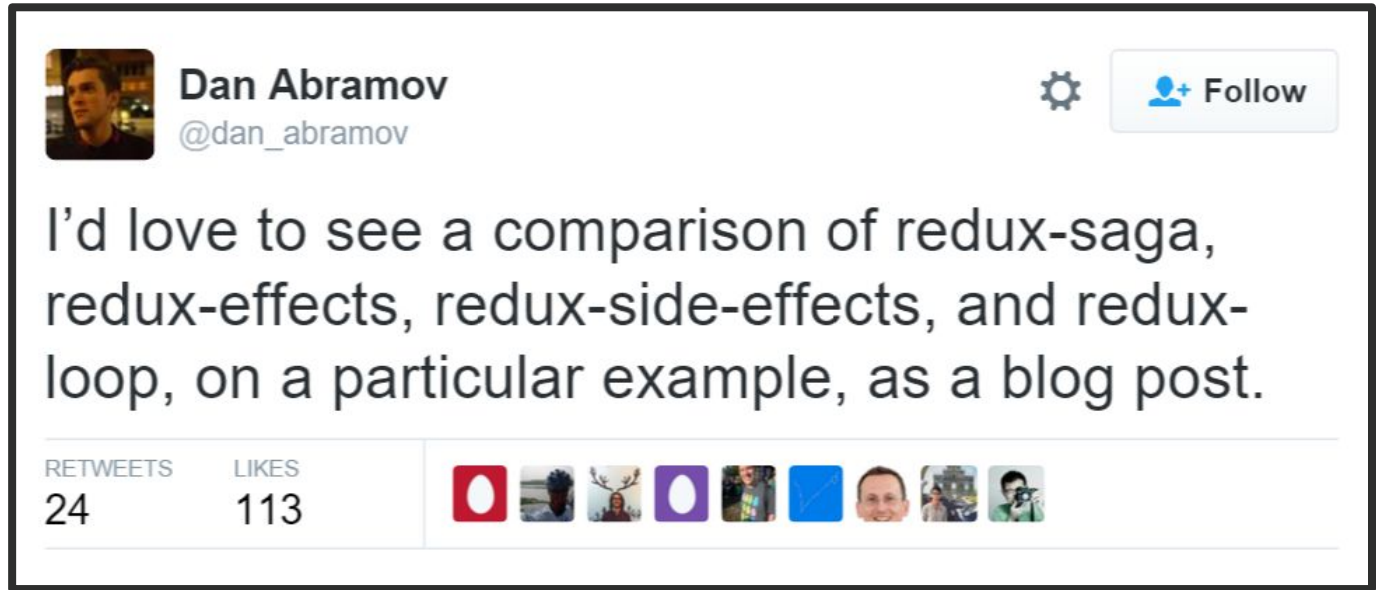
reducers

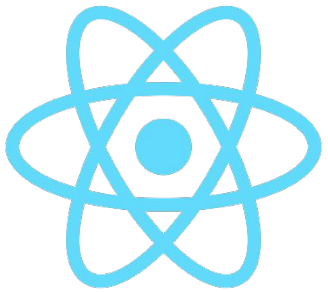
middlewares



?: ???

- redux-sagas?
- redux-thunk?
- redux-side-effects?
- redux-effects?

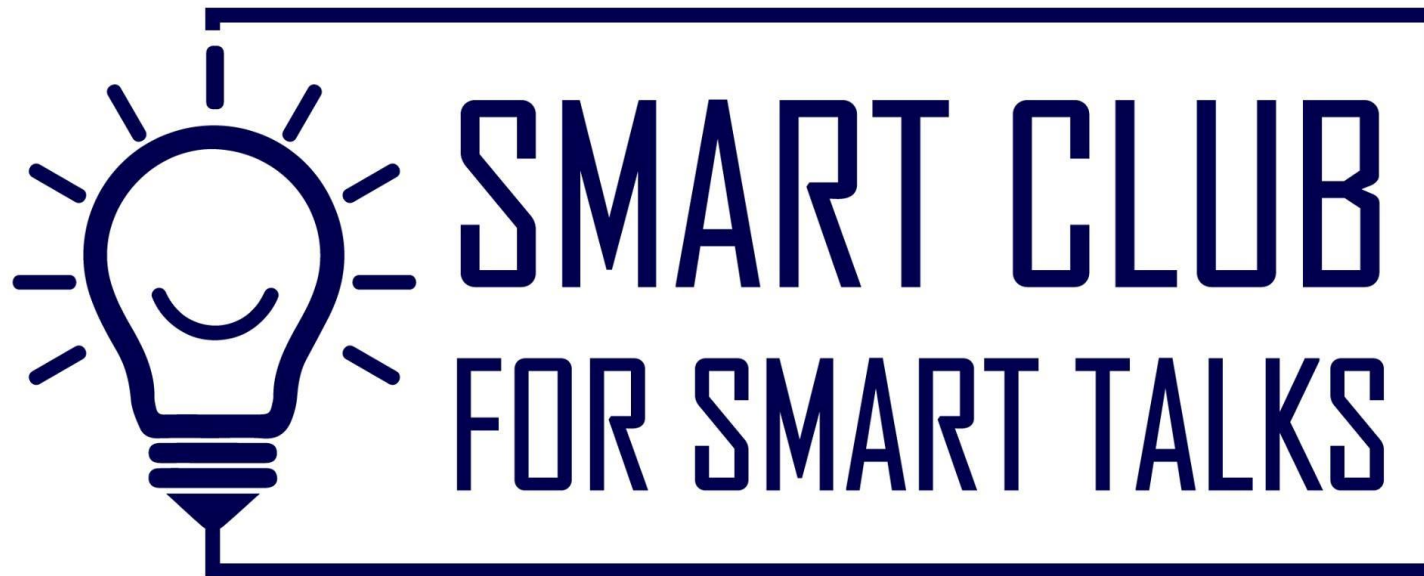




Слежение

```
const Perf = require('react-addons-perf');  
Perf.start();  
Perf.end();  
Perf.printWasted();
```

(index)	Owner > component	Wasted time (ms)	Instances
0	"<root> > App"	15.317999947001226	37
1	"App > Box"	6.479999952716753	37
2	"Box > Box2"	1.9630000460892916	37



Вопросы?
