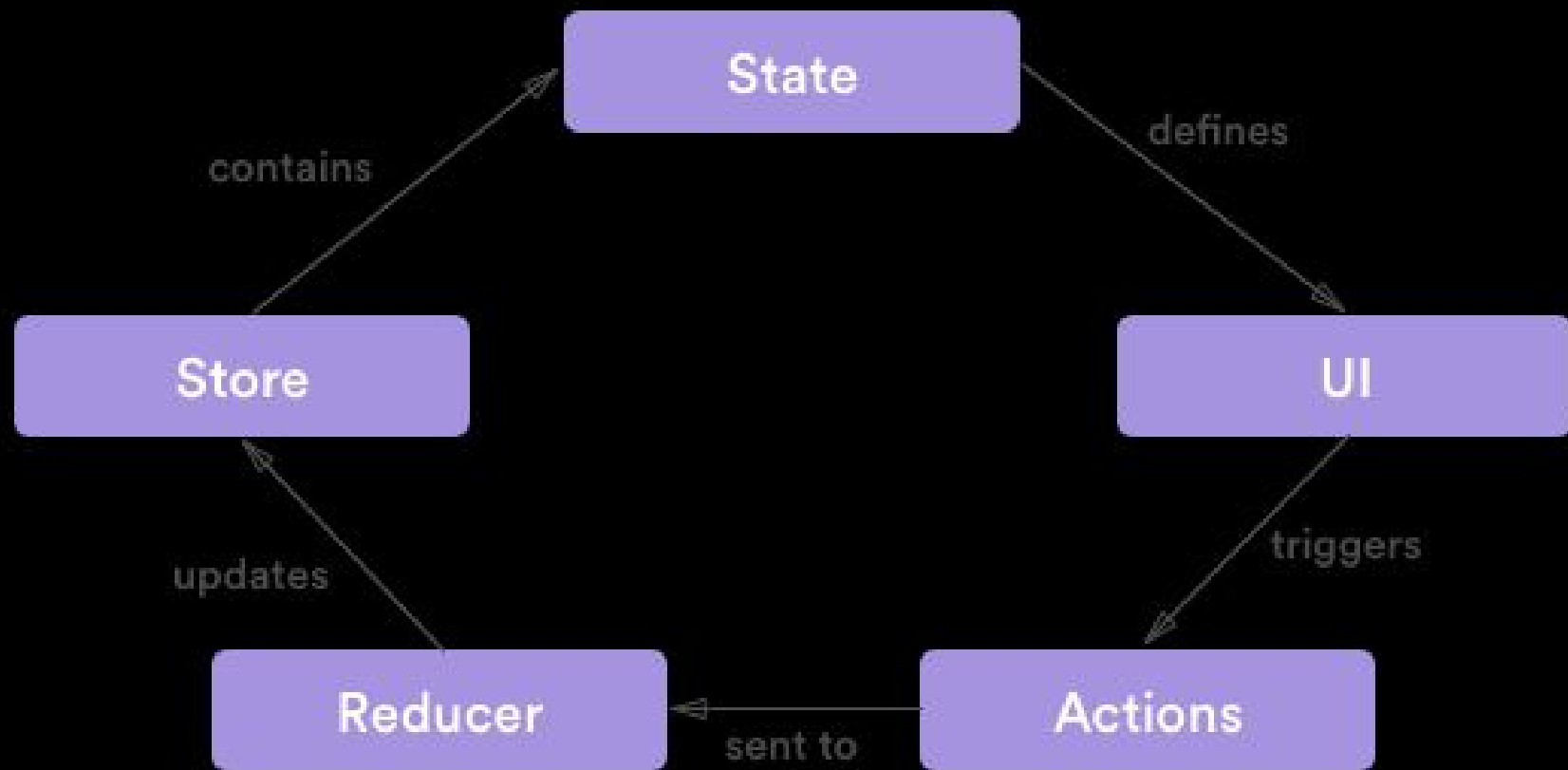




Redux

Workshop by @JurajHusar





Action

- pure
- no side effects
- type and payload

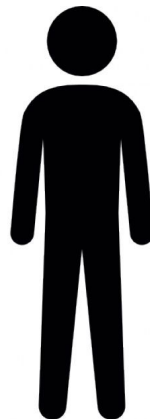
```
{  
  type: 'STRING_CONSTANT',  
  ... some_data  
}
```

```
{  
  type: 'ADD_ITEM',  
  name: 'New item name',  
  key: 'new-item-key'  
}
```

Reducer



```
function human (state = {name: '', age: null}, action) {  
  switch (action.type) {  
    case 'SET_AGE':  
      return { ...state, age: action.age }  
    case 'SET_NAME':  
      return { ...state, name: action.name }  
    default:  
      return state;  
  }  
}
```



Enter name:

Next



Enter your age:

Save

Store

- primitive
- an array
- an object
- Immutable.js

- human
 - id: null,
 - name: 'Juraj'
 - age: 18
 - persisted: false
 - others
 - [...]
 - setting:
 - language: 'SK'
 - theme: 'dark'
-

Requirements

- **NodeJS** and **npm**
- **Chrome** with “**Redux DevTools**” plugin

<https://chrome.google.com/webstore/detail/redux-devtools/lmhkpmbekcpmknklieibfkpmmfiblj?hl=en>

Let's start...

Time for some coding.

#1 Redux - no npm, no react :(

As simple as that.

“Without any build system, without any UI library.”

<https://youtu.be/XPCqW0Dp6Aw>

0 + 10 + 10 + 5 + 5 - 1
= 29

PLUS 5

PLUS 10

MINUS 1

RESET

Showcase

<https://github.com/jurosh/redux-workshop>

Show:

- final app
- jumping to events in time
- skipping events
- running application history

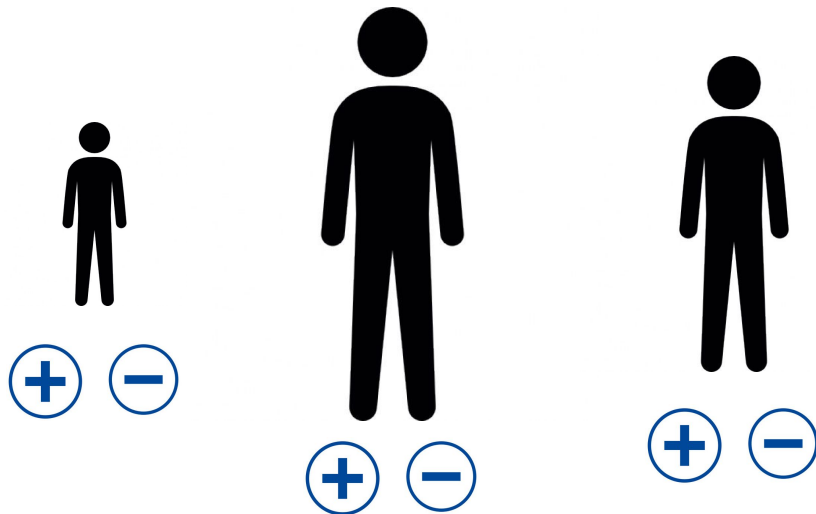
#2 Redux with React, great :)

Just simple integration of React and redux.

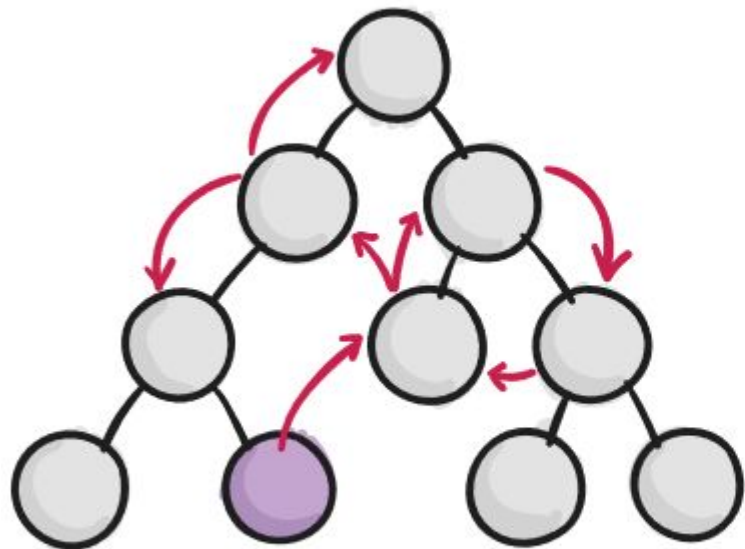
See real advantages!

Try:

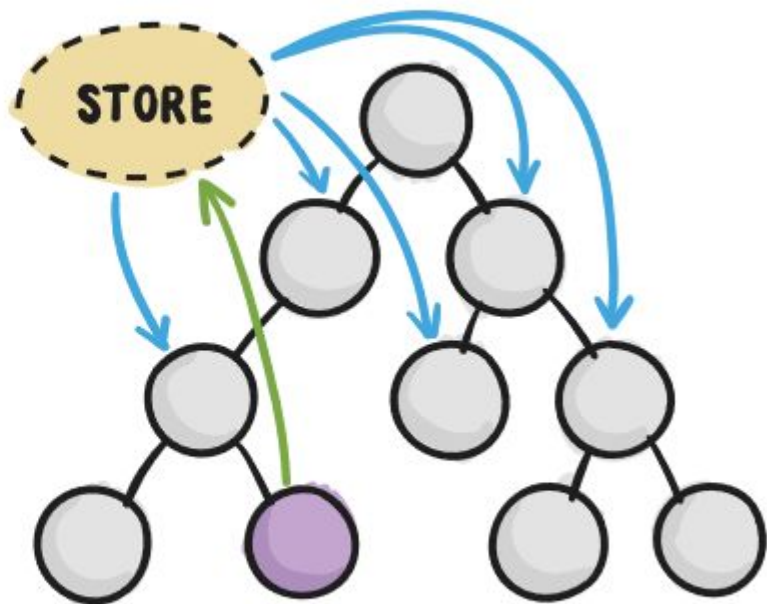
- Make changes to humans.
- Sort humans by size.



WITHOUT REDUX



WITH REDUX



 COMPONENT INITIATING CHANGE

Editable listing

Reset all to same size

Add new human

human

-

+

human

-

+

human

-

+

Sorted listing (BONUS)

No humans to display.

Thanks

Bye.