

React + БЭМ = 

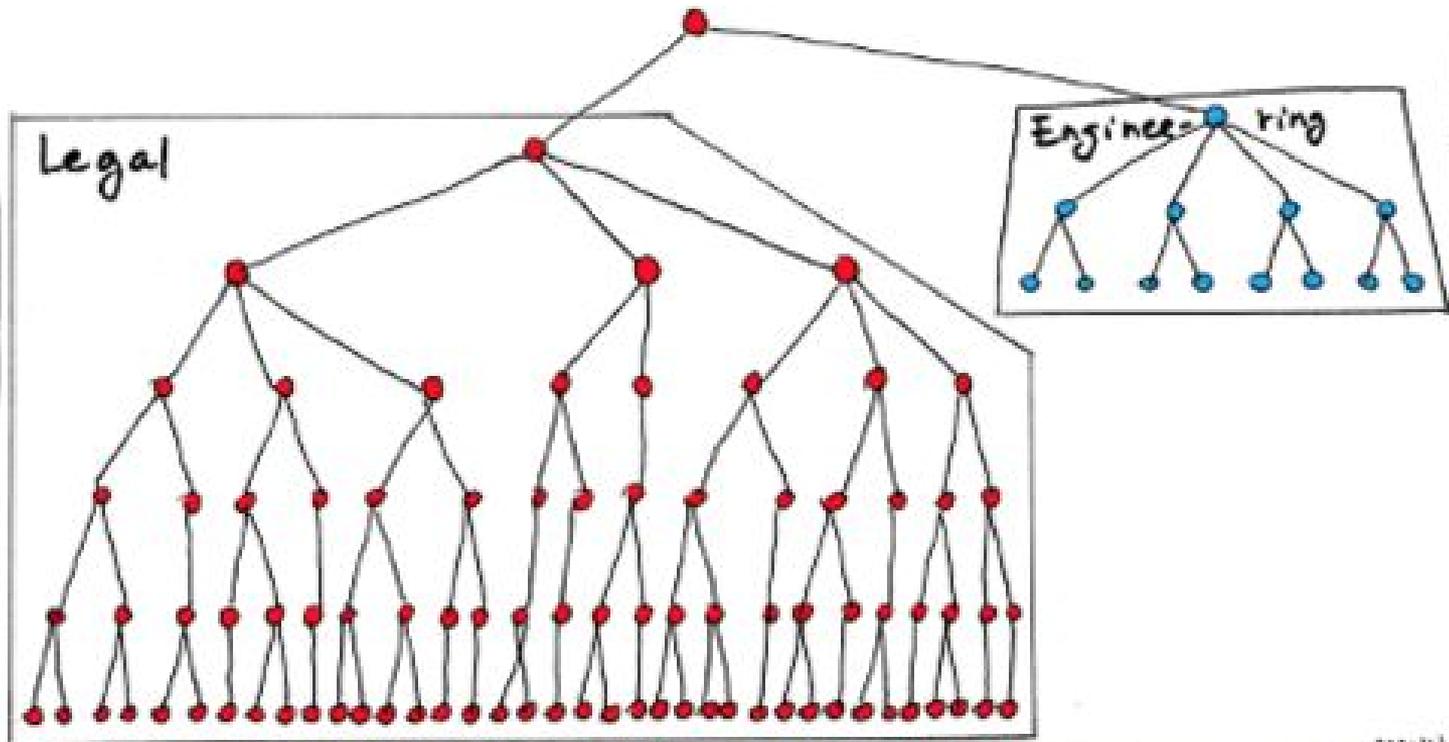
Гибкая архитектура
библиотеки компонентов



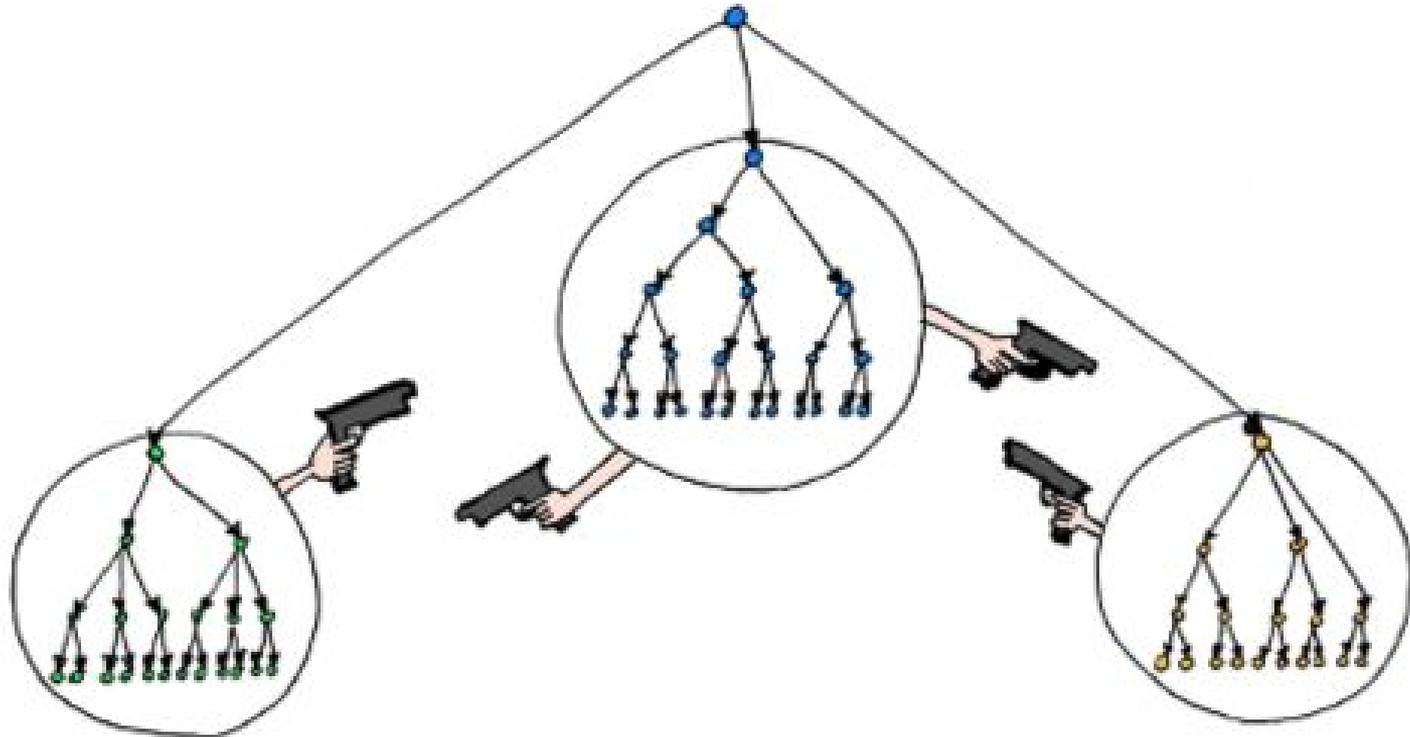
«Организации, проектирующие системы, неизбежно производят конструкцию, чья структура является копией структуры взаимодействия внутри самой организации»

Закон Конвея

ORACLE



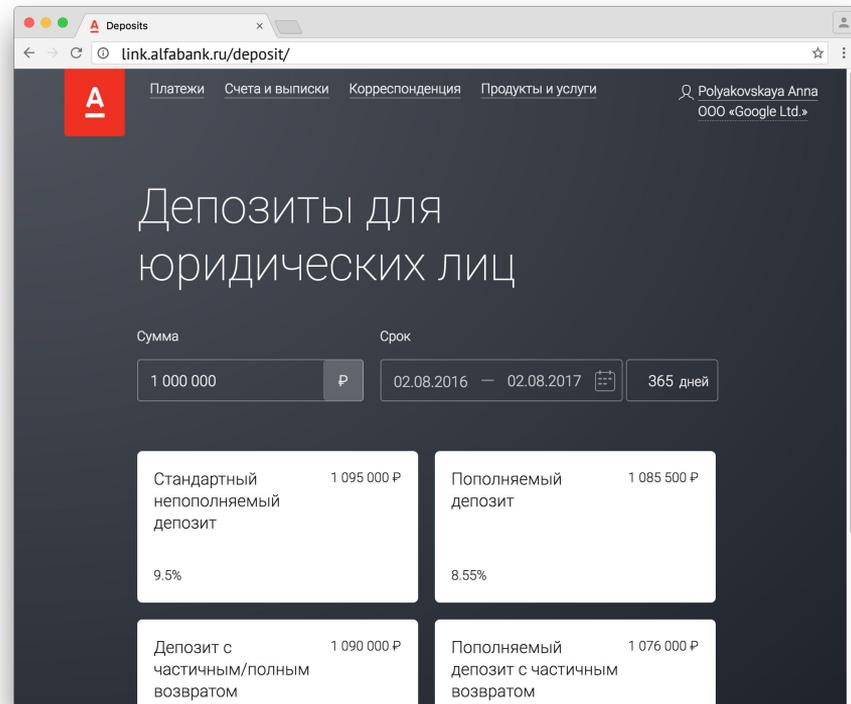
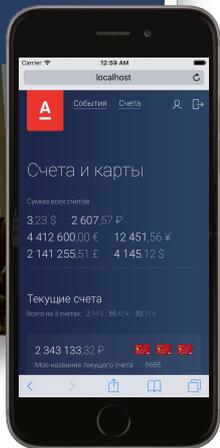
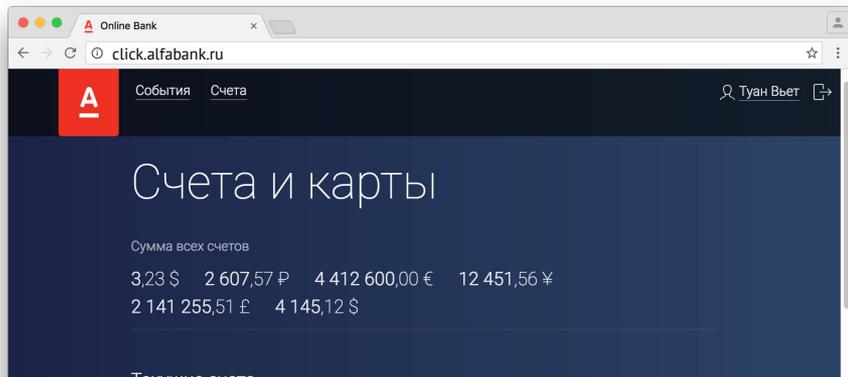
MICROSOFT





alfalab





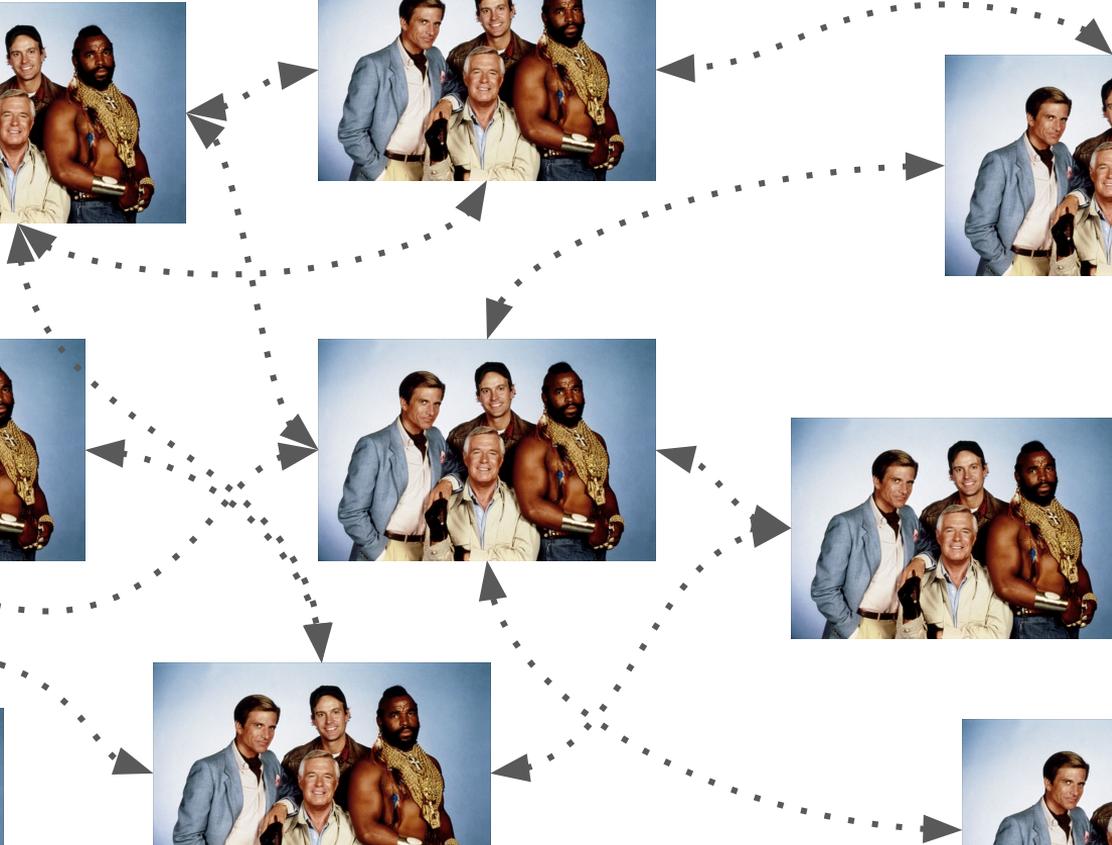


SPEED WORLD DRAGWAY

PRO
BUS

1320

WORLDS FASTEST SCHOOL BUS





Консистентность

Гибкость



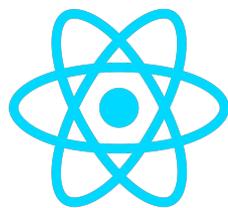


FIXER

alfa bank

ui library

github.com/alfa-laboratory/arui-feather



React



github.com/alfa-laboratory/cn-decorator

```
import cn from 'arui-feather/cn';

@cn('input')
class Input extends React.Component {
  render(cn) {
    return <div className={ cn } />;
  }
}
```

```
import cn from 'arui-feather/cn';
```

```
@cn('input')
```

```
class Input extends React.Component {  
  render(cn) {  
    return <div className={ cn } />;  
  }  
}
```

```
import cn from 'arui-feath
```

```
@cn('input')
```

```
class Input extends React.
```

```
  render(cn) {
```

```
    return <div class=
```

```
  }
```

```
}
```

```
<div class="input"></div>
```

```
@cn('input')
class Input extends React.Component {
  render(cn) {
    return (
      <div className={cn({ disabled: true })}>
        <input className={cn('control')} />
      </div>
    );
  }
}
```

```
component {
```

```
{ cn({ disabled: true }) }  
sName={ cn('control') }/;>
```

```
<div class="input input_disabled">  
  <input class="input__control" /;>  
</div>
```

Темы



```
render() {  
    return <Input />;  
}
```

```
<div class="input input_theme_alfa-on-white">  
</div>
```

```
render() {  
  return <Input theme="alfa-on-color" />;  
}
```

```
<div class="input input_theme_alfa-on-color">  
</div>
```

```
render() {  
  return (  
    <ThemeProvider theme="alfa-on-color">  
      <Input />  
    </ThemeProvider>  
  );  
}
```

```
<div class="input input_theme_alfa-on-color">  
</div>
```

А что, если у меня компонент чуть-чуть отличается?

Проксирование `className`

```
render() {  
    return <Input className="my-class" />;  
}
```

```
<div class="input my-class">  
</div>
```

```
render() {  
  return <Input className="my-class" />;  
}
```

```
<div class="input my-class">  
</div>
```

Как быть, если мой компонент совсем отличается?

Перегрузка имени блока

```
import cn from 'arui-feath
```

```
@cn('input')
```

```
class Input extends React.
```

```
  render(cn) {
```

```
    return <div class=
```

```
  }
```

```
}
```

```
<div class="input"></div>
```

```
import cn from 'arui-feath
```

```
@cn('input')
```

```
class Input extends React.
```

```
  render(cn) {
```

```
    return <div class=
```

```
  }
```

```
}
```

```
<div class="my-input"></div>
```



```
import cn from 'arui-feather/cn';  
import Input from 'arui-feather/input';  
  
@cn('my-input')  
class MyInput extends Input {};
```



```
import cn from 'arui-feather/cn';  
import Input from 'arui-feather/input';
```

```
@cn('my-input')  
class MyInput extends Input {};
```



```
import cn from 'arui-feather/  
import Input from 'arui-feathe
```

```
@cn('my-input')
```

```
class MyInput extends Input {
```

```
<div class="my-input"></div>
```



DI компоненты

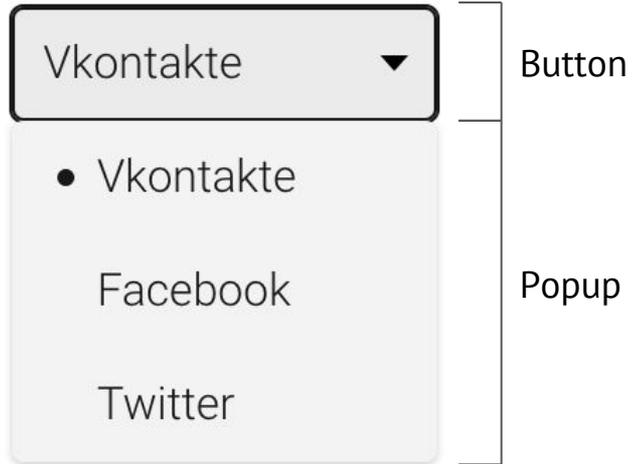
Vkontakte



- Vkontakte

Facebook

Twitter



```
import cn from 'arui-feather/cn';
import Button from 'arui-feather/button';
import Popup from 'arui-feather/popup';
```

```
@cn('select')
class Select extends React.Component {
  render(cn) {
    return (
      <div className={ cn }>
        <Button />
        <Popup />
      </div>
    );
  }
}
```

```
import cn from 'arui-feather/cn';  
import Button from 'arui-feather/button';  
import Popup from 'arui-feather/popup';
```

```
@cn('select')  
class Select extends React.Component {  
  render(cn) {  
    return (  
      <div className={ cn }>  
        <Button />  
        <Popup />  
      </div>  
    );  
  }  
}
```



```
import cn from 'arui-feather/cn';
import Button from 'arui-feather/button';
import Popup from 'arui-feather/popup';
```

```
@cn('select', Button, Popup)
class Select extends React.Component {
  render(cn, Button, Popup) {
    return (
      <div className={ cn }>
        <Button />
        <Popup />
      </div>
    );
  }
}
```



```
import cn from 'arui-feather/cn';  
import Select from 'arui-feather/select';  
import MyButton from './my-button';  
import MyPopup from './my-popup';  
  
@cn('my-select', MyButton, MyPopup)  
class MySelect extends Select {};
```



Итого



- БЭМ для React
- Темы
- Проксирование `className`
- Перегрузка имени блока
- DI компоненты

 github.com/alfa-laboratory/cn-decorator

 facebook.com/vitaliy.green

 vgalakhov@alfabank.ru