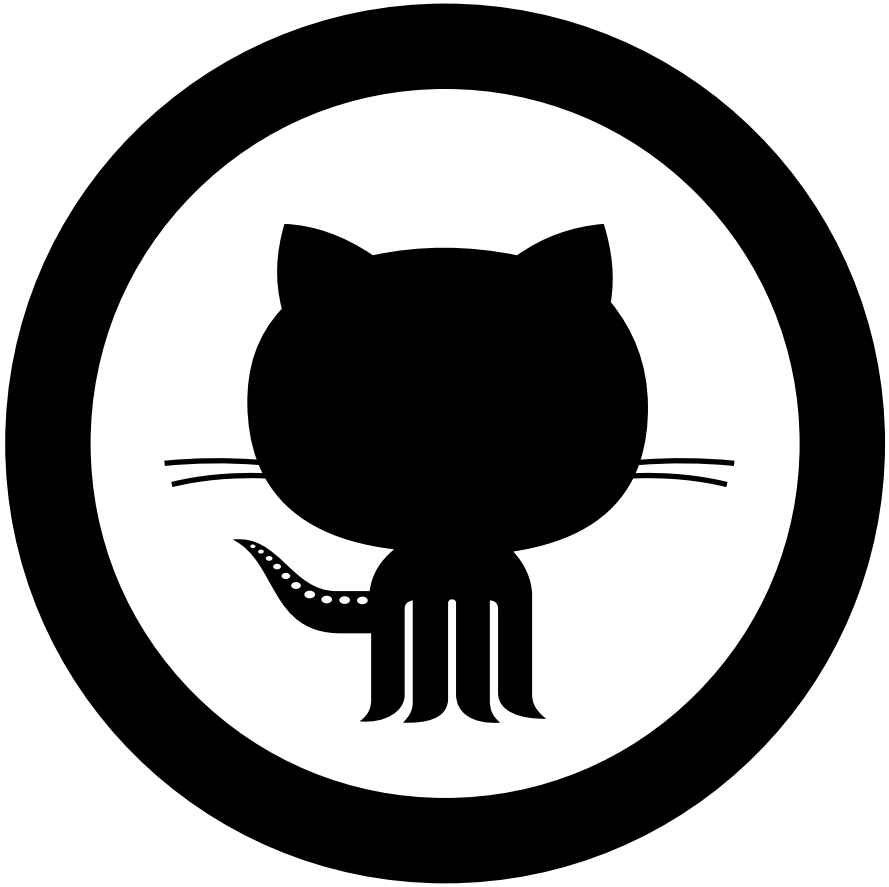
开源React组件开发与测试

Introduce

- github @xudafeng
- weibo @达峰的夏天
- twitter @2009xdf
- site xdf.me
- company alipay.com



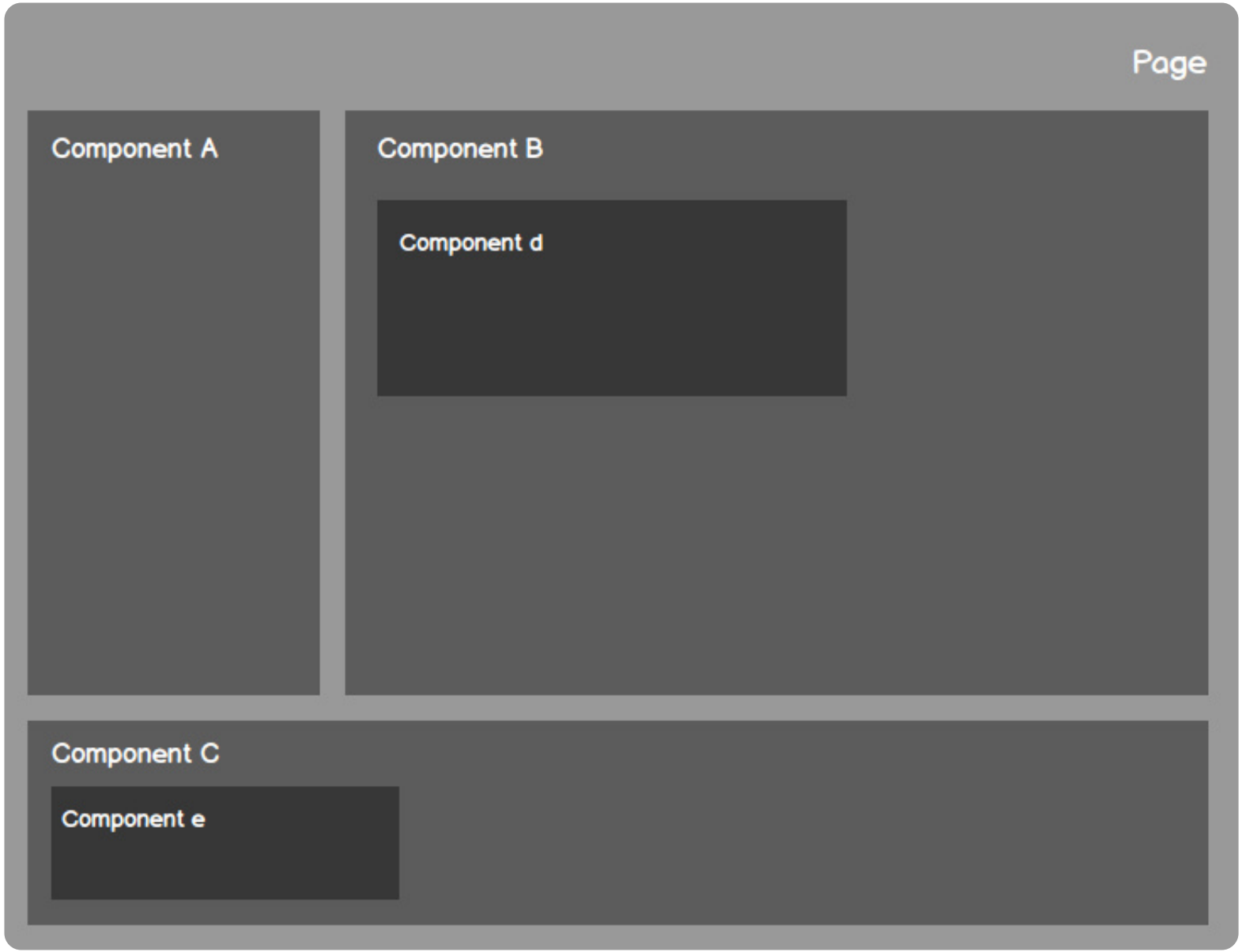
XDF@GitHub

Component-based UI

- tile based rendering
- **normal-flow**

Components

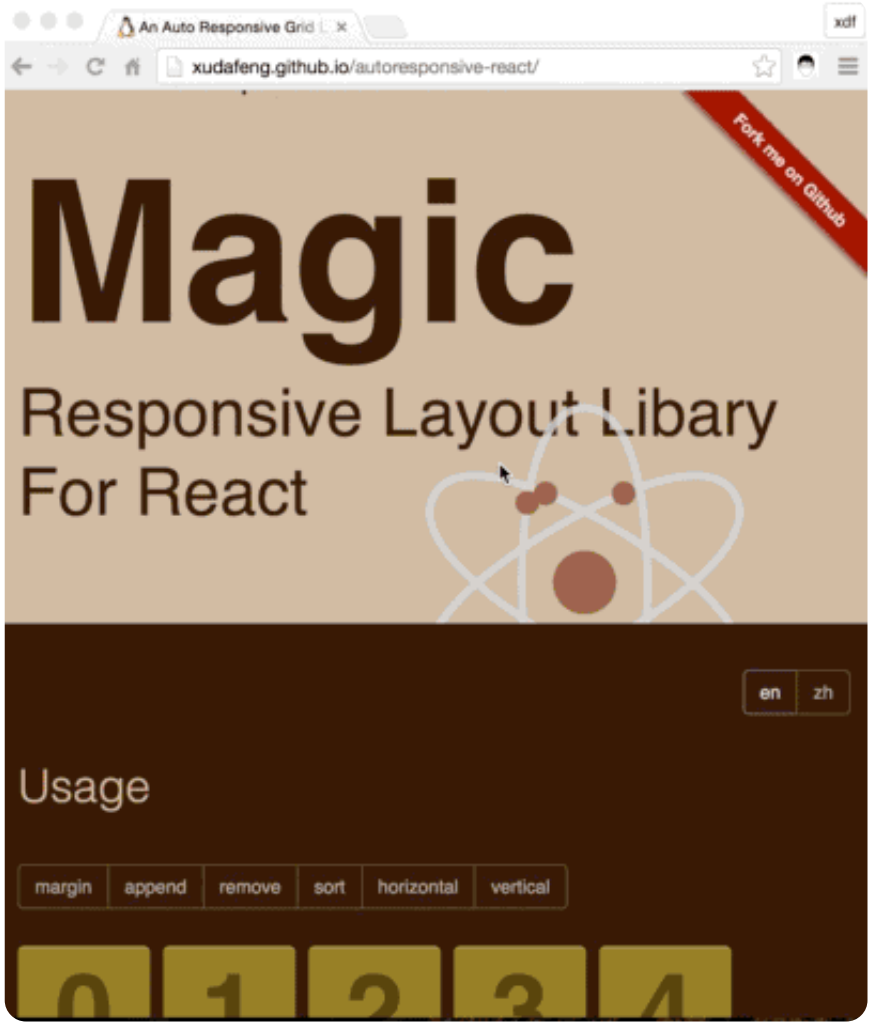
WebComponents

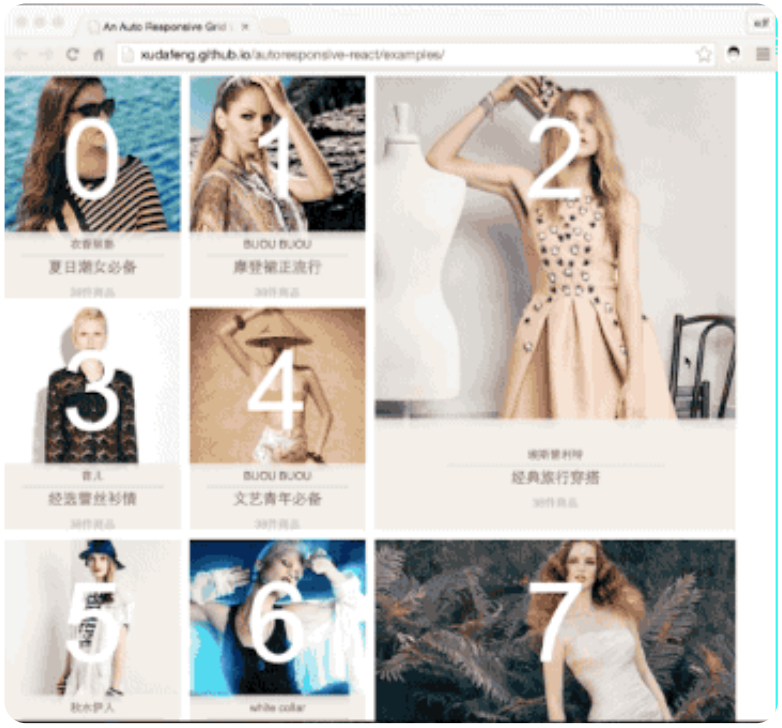

Page
Component A
Component B
Component d
Component C
Component e

$$\lim_{C \to W3} f(C) = \text{WebComponents}$$

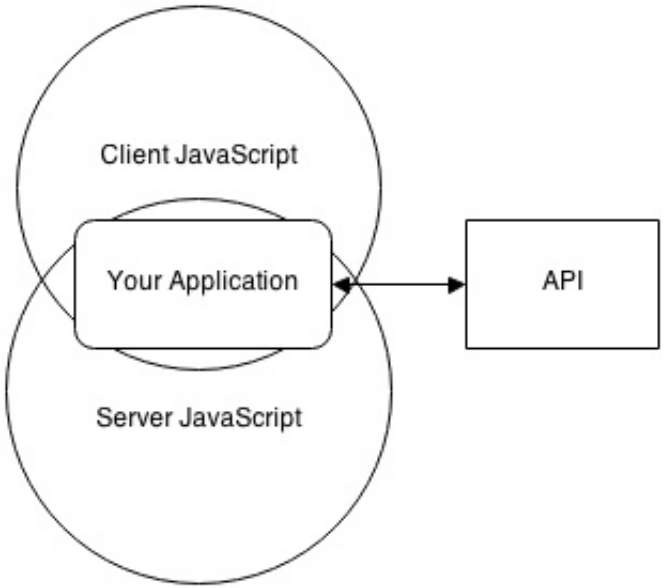
autoresponsive-react

```
...
render() {
  return (
    <AutoResponsive>
        <Something />
    </AutoResponsive>
  );
}
...
```


An Auto Responsive Grid
xdf
xudafeng.github.io/autoresponsive-react/
Fork me on Github
Magic
Responsive Layout Libary
For React
en
zh
Usage
margin
append
remove
sort
horizontal
vertical
0
1
2
3
4


An Auto Responsive Grid
xudafeng.github.io/autoresponsive-react/examples/
0
1
2
3
4
5
6
7
BUOU BUOU
夏日潮女必备
BUOU BUOU
摩登复正流行
经典旅行穿搭
BUOU BUOU
文艺青年必备
经选雪丝衫情
white collar

Isomorphic


Client JavaScript
Your Application
API
Server JavaScript

e.g.

- **director**
- **isomorphic-fetch**
- rendering

Native

```
$ react run app.js
```

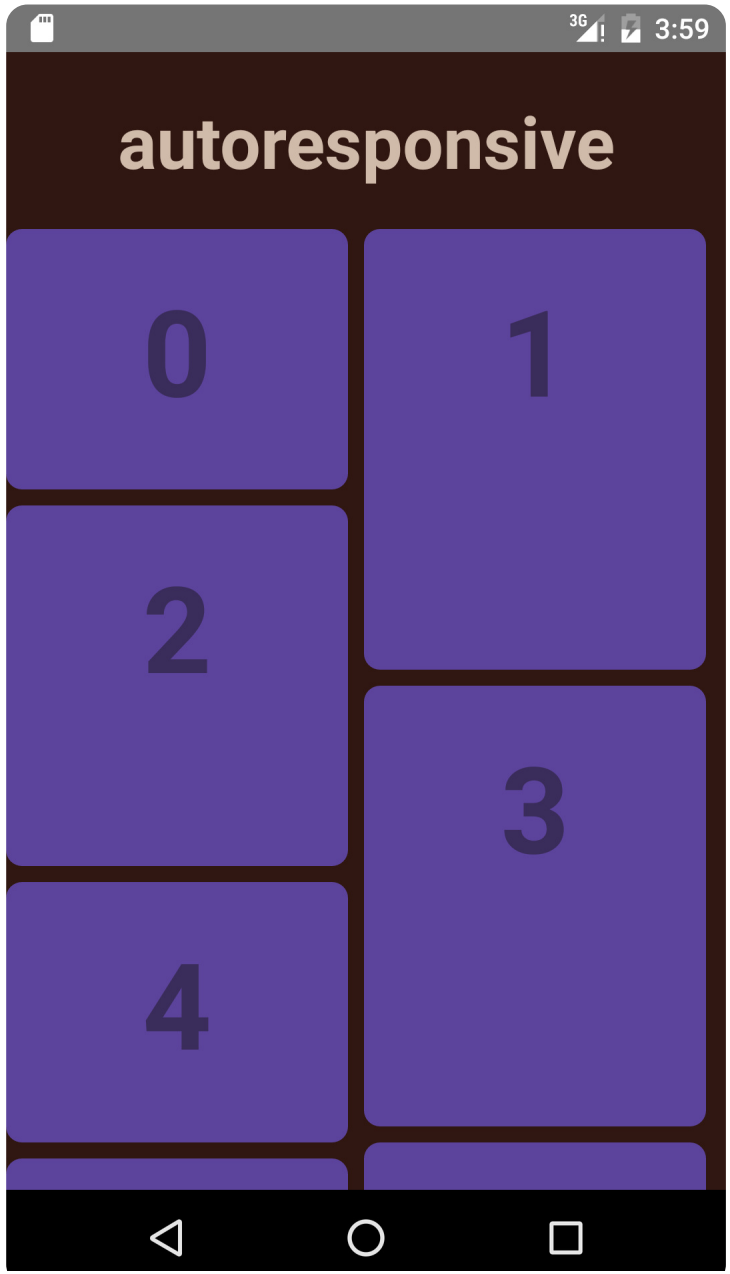
```
let React = require('react-native');
let Common = require('autoresponsive-common');
let Dimensions = require('Dimensions');

let {
  Util,
  GridSort
} = Common;

let { View } = React;

const screenWidth = Dimensions.get('window').width;
const noop = function() {};

class AutoResponsive extends React.Component {
  constructor(props) {
    super(props);
    this.state = {};
  }

  componentWillMount() {
    this.sortManager = new GridSort({
      containerWidth: this.props.containerWidth,
      gridWidth: this.props.gridWidth
    });
  }

  getContainerStyle() {
    return this.containerStyle
  }

  render() {
    this.setPrivateProps();

    return (
      <View style={this.getContainerStyle()}>
      {this.renderChildren()}
      </View>
    );
  }
}
```

```
let React = require('react');
let Common = require('autoresponsive-common');

let {
  Util,
  GridSort
} = Common;

let AnimationManager = require('./animation');

const noop = function() {};

class AutoResponsive extends React.Component {
  constructor(props) {
    super(props);
    this.state = {};
  }

  componentWillMount() {
    this.sortManager = new GridSort({
      containerWidth: this.props.containerWidth,
      gridWidth: this.props.gridWidth
    });
  }

  getContainerStyle() {
    return this.containerStyle;
  }

  render() {
    this.setPrivateProps();

    return (
      <div ref="container" className={`${this.props.prefi
      {this.renderChildren()}
      </div>
    );
  }
}
```

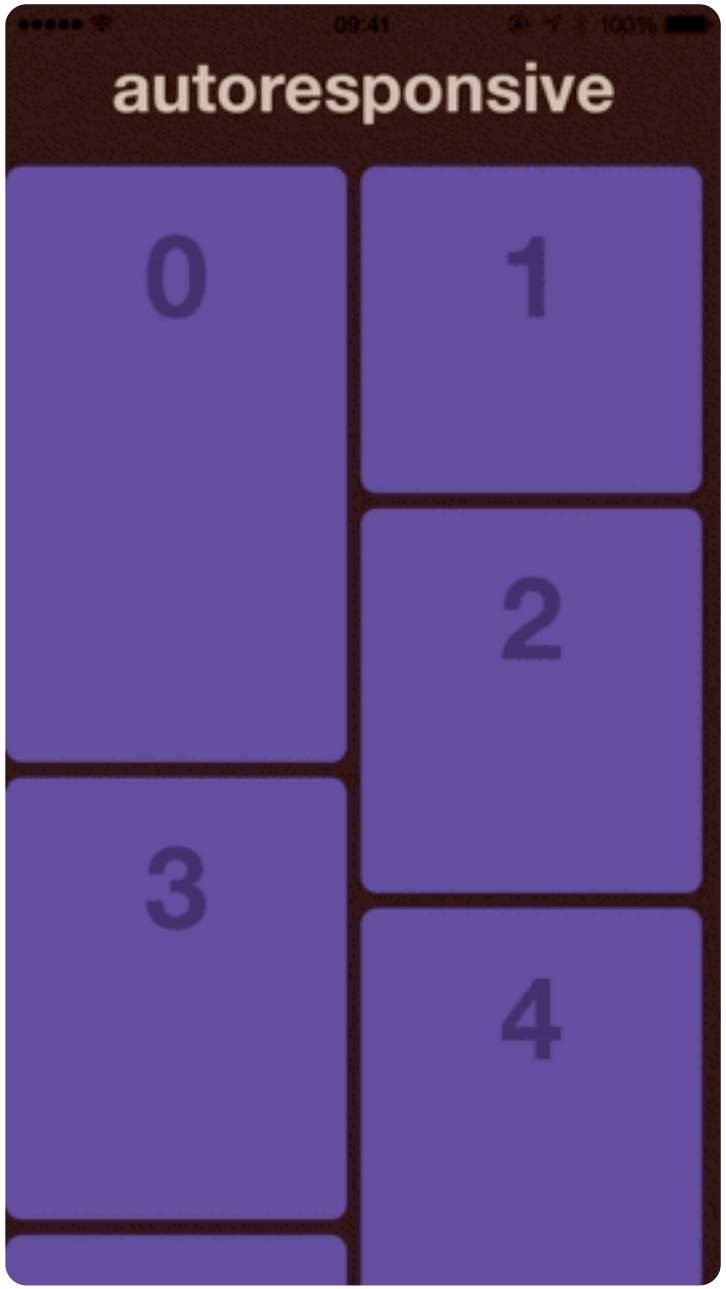
```
AutoResponsive.defaultProps = {
  containerWidth: screenWidth,
  containerHeight: null,
  gridWidth: 1,
  itemMargin: 0,
  horizontalDirection: 'left',
  verticalDirection: 'top',
  onItemDidLayout: noop,
  onContainerDidLayout: noop
};

module.exports = AutoResponsive;
```

left: react, right: RN

```
AutoResponsive.defaultProps = {
  containerWidth: null,
  containerHeight: null,
  gridWidth: 10,
  prefixClassName: 'rc-autoresponsive',
  itemClassName: 'item',
  itemMargin: 0,
  horizontalDirection: 'left',
  transitionDuration: 1,
  transitionTimingFunction: 'linear',
  verticalDirection: 'top',
  closeAnimation: false,
  onItemDidLayout: noop,
  onContainerDidLayout: noop
};

module.exports = AutoResponsive;
```


3G
3:59
autoresponsive
0
1
2
3
4

Android iOS



GitHub, Inc. [US] https://github.com/xudafeng/autoresponsive-react/issues/33

How to make height fit the content? #33

Edit New issue

Closed **mixdesign** opened this issue on Mar 14 · 3 comments

mixdesign commented on Mar 14

I want fixed width, but dynamic height which should resize depending on html content. Is it possible? Thatnk you!

xudafeng commented on Mar 17 Owner

@mixdesign It could not support `dynamic height adaptation` in real-time rendering, but `offline rendering` can be used to get the height at the time when you want.

mixdesign commented on Mar 17

What you mean saying offline? I call an API, get the data of array, create each card with different height content. That's all.

xudafeng commented on Mar 17 Owner

Do `pre rendering` with data in an other container before append it.

2 1

mixdesign closed this on Mar 17

Labels

None yet

Milestone

No milestone

Assignee

No one—assign yourself

Notifications

Unsubscribe

You're receiving notifications because you commented.

2 participants

Lock conversation

xudafeng / autoresponsive-react-native

Unwatch 3

Code | Issues 1 | Pull requests 0 | Wiki | Pulse | Graphs | Settings

Not Autoresponsive for Height #4

Closed **jayesbe** opened this issue 27 days ago · 2 comments

jayesbe commented 27 days ago

In the samples and examples provided.. the Height is being manually set.

Can Height be automatic based on the contents and the grid responsive to width.

I don't know the height of the contents since the contents are dynamic.

xudafeng commented 27 days ago Owner

xudafeng/autoresponsive-react#33

jayesbe commented 26 days ago

I was able to do something using onLayout. Though the solution wasn't perfect and all the content was

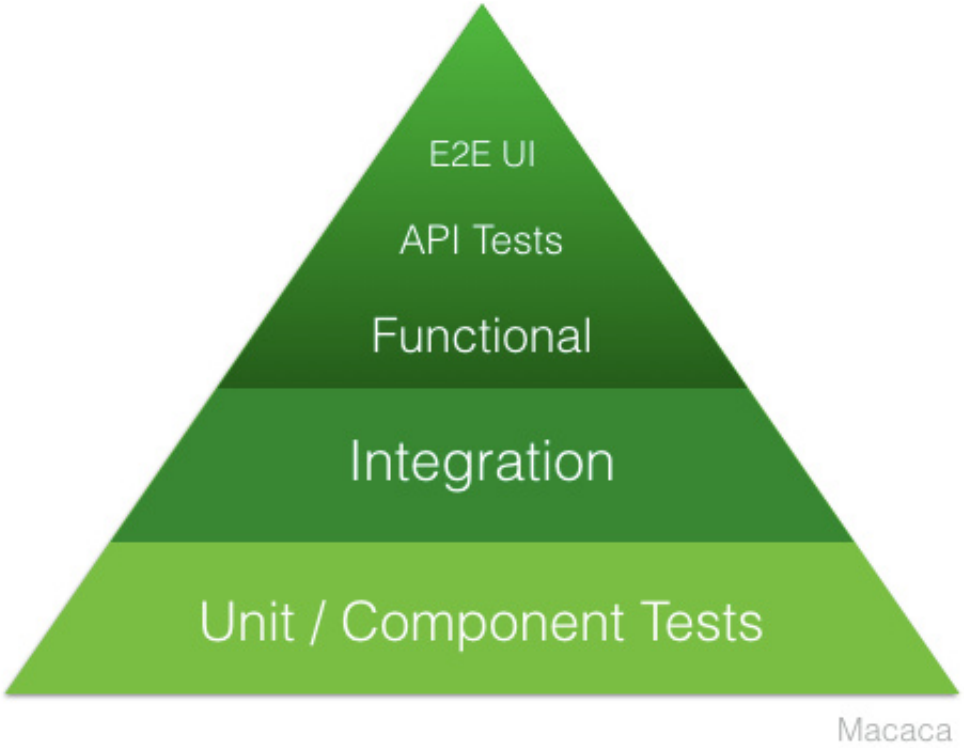
floating on top of each other.. it wasn't auto-responsive.

xudafeng closed this 26 days ago

Improvement plan

- infinite scroll support
- offline rendering with visual dom intergration
- mixed typesetting practice
- extendible & configurable

Testing



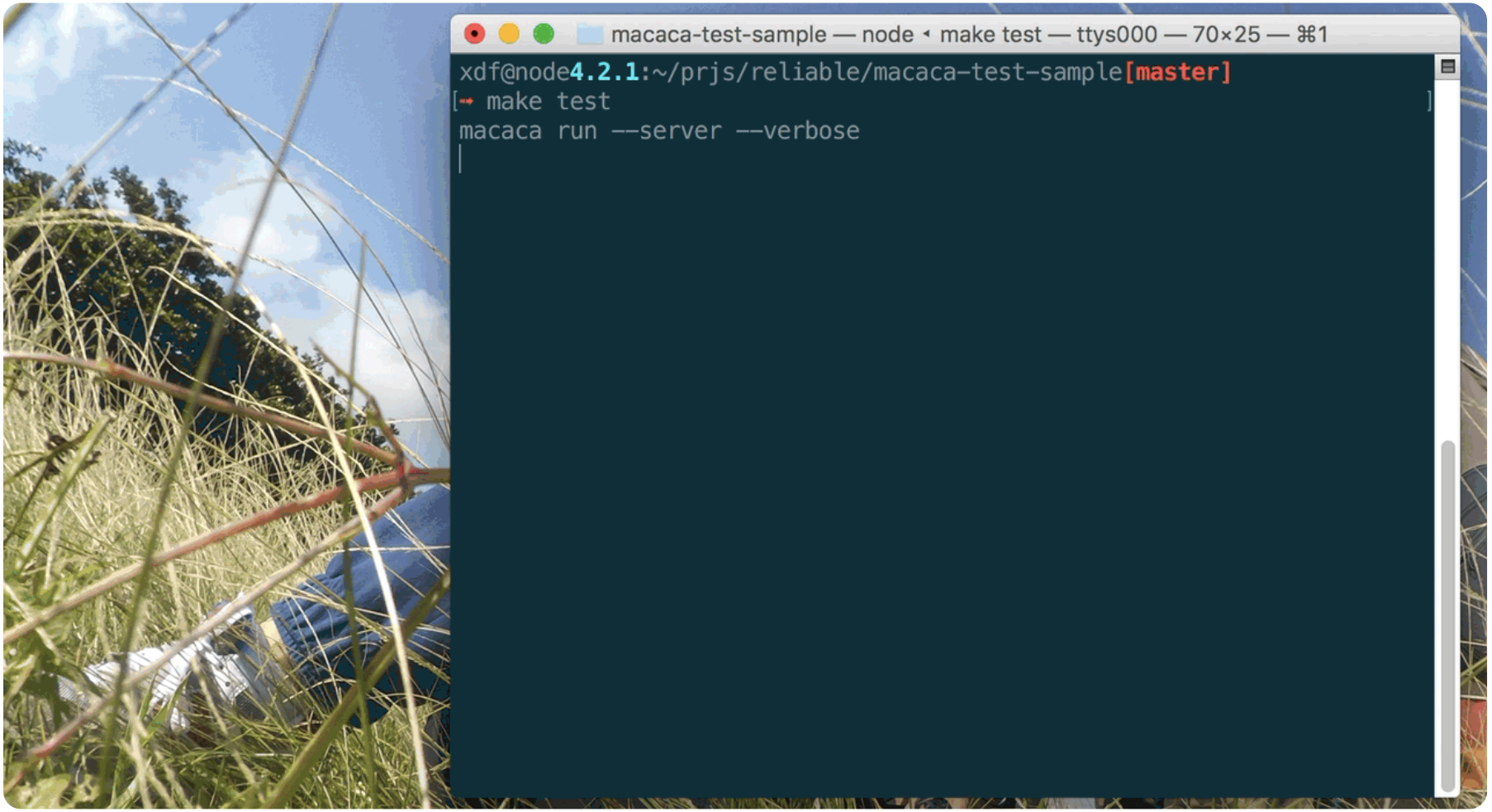
Testing Pyramid

```
...

it('render container style', function() {
  const style = component.props.style;
  style.position.should.be.equal('relative');
  style.height.should.be.equal(Math.ceil(tempString.length / (props.containerWidth / ite
});

...
```

Testability

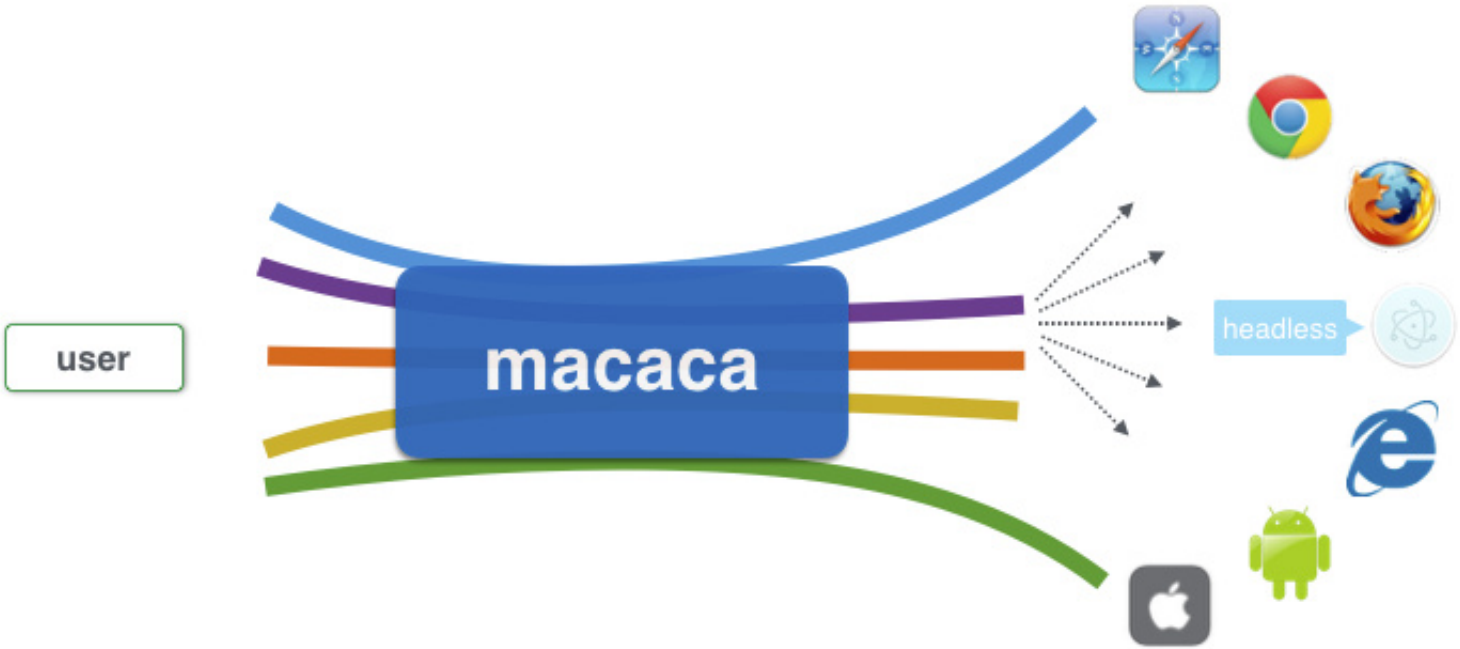
- patterns

Why Automated


macaca-test-sample — node ◂ make test — ttys000 — 70×25 — ⌘1
xdf@node4.2.1:~/prjs/reliable/macaca-test-sample[master]
make test
macaca run --server --verbose

more sample

Macaca Enables Us

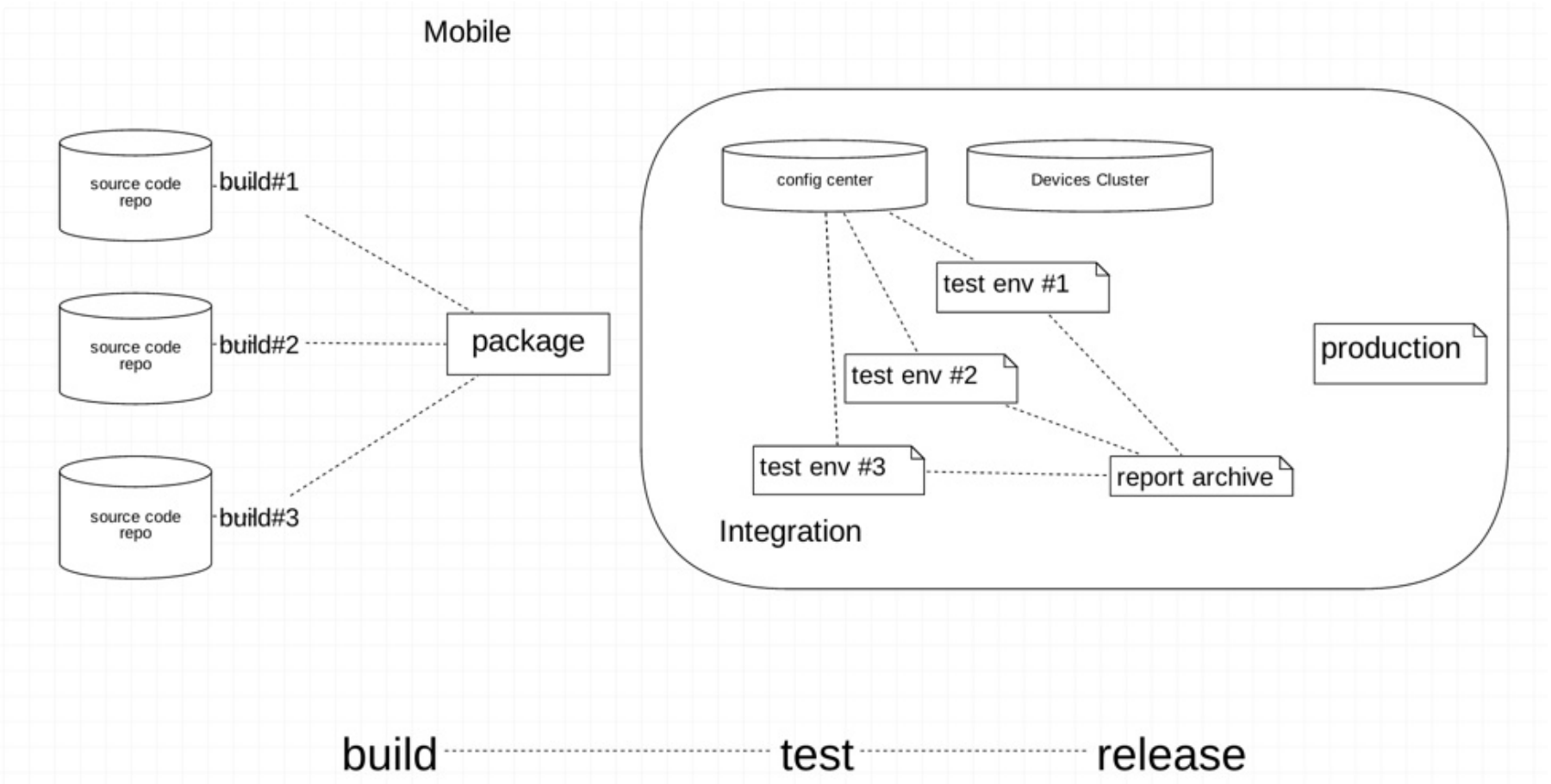


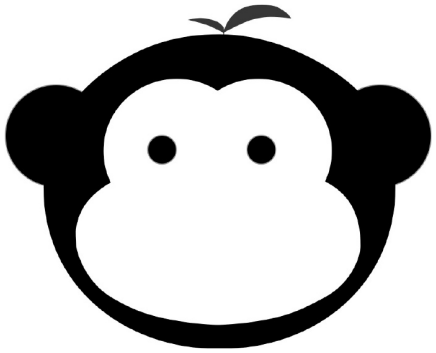
Cross Platform Continuous Integration

macaca-test-sample#ci-sample

- Electron
- Chromedriver
- iOS
- Android
- ...

PAAS


Mobile
source code repo
build#1
source code repo
build#2
source code repo
build#3
package
config center
Devices Cluster
test env #1
test env #2
test env #3
report archive
production
Integration
build
test
release



Open Source

alibaba/macaca

Macaca Site

Testerhome.com, Cnodejs.org

END