МГТУ им. Н. Э. Баумана, кафедра ИУ5

курс “Разработка интернет-приложений”

Лабораторная работа №6  
JS. REACT

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# Москва 2018

## Задание

-Построить реакт приложение по лекциям 11,12 по курсу РИП

-Разобраться с webpack,babel, лоадерами, webpackdevserver, hot load технологией

## Выполнение ЛР

**import** React **from 'react'**;

**import** ReactDOM **from 'react-dom'**;

**import** {AppContainer} **from "react-hot-loader"**;

**import** App **from './components/App/App'**;

ReactDOM.render(

<**AppContainer**>

<**App**/>

</**AppContainer**>,

***document***.getElementById(**'root'**)

);

**if**( **module**.**hot**)

{

**module**.**hot**.accept();

}

**import React from 'react';**

**import './styles.css'**;

**class** App2 **extends** React.Component {

constructor(props) {

**super**(props);

**this**.**state** = {

**titleColor**: **'red'**,

**repos**: []

};

**this**.**onButtonClick** = **this**.**onButtonClick**.bind(**this**);

**this**.**counter** = **true**

render()

{

**return** (

<**div**>

<**Title color=**{**this**.**state**.**titleColor**}/>

{**this**.**state**.**isLoading** && <**div**>Загрузка...</**div**>}

{

**this**.**state**.**repos**.map((repo, i) => <**ListItem key=**{i} **repo=**{repo}/>)

}

<**div className="img"**/>

<**div className="button" onClick=**{**this**.**onButtonClick**}>

Push

</**div**>

</**div**>

)

}

}

}

**export default** App2;

**import React from 'react';**

**import './styles.css'**;

**import** *Title* **from './components/Title/Title'**;

**import** ListItem **from './components/ListItem/ListItem'**;

**import** axios **from 'axios'**;

**class** App **extends** React.Component{

constructor(props){

**super**(props);

**this**.**state**={

**titleColor**: **'red'**,

**repos**: []

};

**this**.onButtonClick = **this**.onButtonClick.bind(**this**);

**this**.**counter** = **true**

}

onButtonClick(){

**if**(**this**.**counter**) {

**this**.setState(

{

**titleColor**: **'blue'**

}

);

**this**.**counter** = **false**;

}

**else**{

**this**.setState(

{

**titleColor**: **'red'**

}

);

**this**.**counter** = **true**;

}

}

componentDidMount() {

**this**.setState(

{

**isLoading**: **true**

}

);

axios.get(**'https://api.github.com/users/AVasilyev1998/repos'**).then(

response =>

{

**this**.setState({

**repos**: response.**data**,

**isLoading**: **false**

})

},

error => {

**this**.setState({

**isLoading**: **false**

})

}

)

}

render(){

**return**(

<**div**>

<**Title color=**{**this**.**state**.**titleColor**}/>

{**this**.**state**.**isLoading** && <**div**>Загрузка...</**div**>}

{

**this**.**state**.**repos**.map((repo,i) => <**ListItem key=**{i} **repo=**{repo}/>)

}

<**div className="img"**/>

<**div className="button" onClick=**{**this**.onButtonClick}>

Push

</**div**>

</**div**>

)

}

}

**export default** App;

**import React from 'react';**

**import './styles.css'**;

**import** PropTypes **from 'prop-types'**;

**const** *Title* = props =>{

**const** className = **`title title\_**${props.**color**}**`**;

**return**(

<**div className=**{className}>

My first React App! Some text

</**div**>

)

}

*Title*.**PropTypes** = {

**color**: PropTypes.*oneOf*([**'blue'**,**'red'**]) *// допустимые цвета*

};

*Title*.**DefaultProps** = {

**color** : **'blue'**

};

**export default** *Title*;

**import** React **from 'react'**;

**import './list.css'**;

**export default class extends** React.Component{

render() {

**const** repo = **this**.**props**.repo;

**return**(

<**li className="li\_element"**>

<**a**

**href=**{ repo.html\_url}

**target="\_blank"**

**className="list"**

>

{repo.**name**}

</**a**>

</**li**>

);

}

}

