## **1. 项目说明**

## **1.1 项目目录结构**

* src 项目源码目录
* index.js 入口文件
* containers 容器
* components 组件
* common 公共样式

## **1.2 存入Redux**

* 编写服务端接口
* 用fetch获取接口方法
* 通过action将获取的数据发送到reducer
* 通过reducer改变redux中的状态

## **1.3 样式**

[资源链接](http://at.alicdn.com/t/font_pgg5jafnob51m7vi.css)

* .icon-uilist
* .icon-xiaolian
* .icon-xiugaimima
* .icon-book
* .icon-fanhui
* .icon-guanbi
* .icon-guanyuwomen
* .icon-jianjie
* .icon-renturn
* .icon-xingqiu
* .icon-kecheng-copy
* .icon-common-changjianwenti-copy
* .icon-react



## **2.首页导航**

### **2.1 src/index.html**

+ <link rel="stylesheet" href="http://at.alicdn.com/t/font\_pgg5jafnob51m7vi.css">

### **2.2 src/index.tsx**

**import** \* **as** React **from** 'react';**import** \* **as** ReactDOM **from** 'react-dom';**import** Home **from** './components/Home';**import** Lesson **from** './components/Lesson';**import** Profile **from** './components/Profile';**import** App **from** './containers/App';**import** { Provider } **from** 'react-redux';**import** store **from** './store';**import** {Route } **from** 'react-router-dom';**import** { ConnectedRouter } **from** 'connected-react-router'**import** history **from** './store/history';

ReactDOM.render((

<Provider store={store}>

<ConnectedRouter history={history}>

<App>

<Route exact path="/" component={Home} />

<Route path="/lesson" component={Lesson} />

<Route path="/profile" component={Profile}/>

</App>

</ConnectedRouter>

</Provider>

),document.getElementById('root'));

### **2.3 webpack.config.js**

module: {

rules: [+ {+ test: /\.less$/,+ use:['style-loader','css-loader','less-loader']+ }

]

},

### **2.4 common/common.less**

src/common/common.less

\*{

margin: 0;

padding: 0;

}ul,li{

list-style: none;

}a{

text-decoration: none;

}html,body,#root{

width:100%;

height:100%;

overflow: hidden;

}

### **2.5 containers/App.tsx**

src/containers/App.tsx

**import** \* **as** React **from** 'react';**import** Tab **from** '../components/Tab';**import** '../common/common.less'**export** interface Props{

children?: any,

}**export** **default** **class** **App** **extends** **React**.**Component**<**Props**,{}> {

render() {

**return** (

<React.Fragment>

{this.props.children}

<Tab/>

</React.Fragment>

);

}

}

### **2.6 Tab/index.tsx**

src/components/Tab/index.tsx

**import** \* **as** React **from** 'react';**import** { NavLink } **from** 'react-router-dom';**import** './index.less'**export** interface Props{

children?: any,

}**export** **default** **class** **Tab** **extends** **React**.**Component**<**Props**> {

render() {

**return** (

<nav className="footer">

<NavLink exact to="/" activeClassName="active">

<i className="iconfont icon-xingqiu"></i>首页

</NavLink>

<NavLink exact to="/lesson" activeClassName="active">

<i className="iconfont icon-react"></i>我的课程

</NavLink>

<NavLink exact to="/profile" activeClassName="active">

<i className="iconfont icon-xiaolian"></i>个人中心

</NavLink>

</nav>

);

}

}

### **2.7 Tab/index.less**

src/components/Tab/index.less

.footer{

position: fixed;

width:100%;

height:53px;

bottom:0;

display:flex;

background: #FFF;

border-top:1px solid #D5D4D5;

a{

display: flex;

flex:1;

justify-content: center;

align-items: center;

color:#B5B5B6;

flex-direction: column;

i{

font-size:20px;

}

&.active{

color:#198AE4;

}

}

}

### **2.8 Home/index.tsx**

src/components/Home/index.tsx

**import** \* **as** React **from** 'react';**export** interface Props{

children: any,

}**export** **default** **class** **Home** **extends** **React**.**Component**<**Props**> {

render() {

**return** (

<div>

Home

</div>

);

}

}

### **2.9 Lesson/index.tsx**

src/components/Lesson/index.tsx

**import** \* **as** React **from** 'react';**export** interface Props{

children: any,

}**export** **default** **class** **Lesson** **extends** **React**.**Component**<**Props**> {

render() {

**return** (

<div>

Lesson

</div>

);

}

}

### **2.10 Profile/index.tsx**

src/components/Profile/index.tsx

**import** \* **as** React **from** 'react';**export** interface Props{

children: any,

}**export** **default** **class** **Profile** **extends** **React**.**Component**<**Props**> {

render() {

**return** (

<div>

Profile

</div>

);

}

}

## **3. 首页头部动画**

### **3.1 types/index.tsx**

src/store/types/index.tsx

+ export interface Props{+ children?: any,+ }

### **3.2 webpack.config.js**

webpack.config.js

+ {+ test: /\.(jpg|png|gif)$/,+ use:'url-loader'+ }

### **3.3 HomeHeader/index.tsx**

src/components/HomeHeader/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** { CSSTransition,TransitionGroup } **from** 'react-transition-group';

declare **function** **require**(url: string): **string**;**const** **logo**=**require**('../../common/images/logo.png');**import** { Props } **from** '../../store/types';**export** **default** **class** **HomeHeader** **extends** **React**.**Component**<**Props**> {

state={

showList:false

}

render() {

**return** (

<div className="home-header">

<div className="header-menu">

<img src={logo} alt="logo" />

<div onClick={() => this.setState({showList:!this.state.showList})}>

{

this.state.showList?<i className="iconfont icon-guanbi"></i>:<i className="iconfont icon-uilist"></i>

}

</div>

</div>

<TransitionGroup>

{

this.state.showList&&<CSSTransition

timeout={500}

classNames="fade"

><ul className="menu-list">

<li data-category="1">React课程</li>

<li data-category="2">Vue课程</li>

</ul></CSSTransition>

}

</TransitionGroup>

</div>

);

}

}

### **3.4 HomeHeader/index.less**

src/components/HomeHeader/index.less

.home-header{

background:#2A2A2A;

height:56px;

width:100%;

position:fixed;

top:0;

left:0;

.header-menu{

display:flex;

height:56px;

justify-content: space-between;

align-items: center;

img{

height:30px;

width:105px;

margin-left:10px;

}

i{

color:#FFF;

margin-right:10px;

}

}

.menu-list{

position: absolute;

top:56px;

left:0;

width:100%;

background-color:#000;

li{

border-top:1px solid #464646;

height:43px;

line-height:43px;

text-align: center;

color:#FFF;

border-top:1px solid #464646;

&.active{

color:green;

}

}

}

}.fade-enter {

opacity: 0.01;

}.fade-enter-active {

opacity: 1;

transition: opacity 500ms ease-in;

}.fade-exit {

opacity: 1;

}.fade-exit-active {

opacity: 0.01;

transition: opacity 500ms ease-in;

}

## **4.当前分类存入redux**

### **4.1 HomeHeader/index.tsx**

src/components/HomeHeader/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** { CSSTransition,TransitionGroup } **from** 'react-transition-group';

declare **function** **require**(url: string): **string**;**const** **logo**=**require**('../../common/images/logo.png');**export** **interface** **Props**{

currentCategory?: any,

setCurrentCategory?: any

}**export** **default** **class** **HomeHeader** **extends** **React**.**Component**<**Props**> {

state={

showList:false

}

setCurrentCategory=(event:any) => {

**let** category=event.target.dataset.category;

**this**.props.setCurrentCategory(category);

}

render() {

**let** {currentCategory}=**this**.props;

**return** (

<div className="home-header">

<div className="header-menu">

<img src={logo} alt="logo" />

<div onClick={() => this.setState({showList:!this.state.showList})}>

{

this.state.showList?<i className="iconfont icon-guanbi"></i>:<i className="iconfont icon-uilist"></i>

}

</div>

</div>

<TransitionGroup>

{

this.state.showList&&<CSSTransition

timeout={500}

classNames="fade"

><ul className="menu-list" onClick={this.setCurrentCategory}>

<li data-category="react" className={currentCategory=='react'?'active':''}>React</li>

<li data-category="vue" className={currentCategory=='vue'?'active':''}>Vue</li>

</ul></CSSTransition>

}

</TransitionGroup>

</div>

);

}

}

### **4.2 Home/index.tsx**

src/containers/Home/index.tsx

**import** \* **as** React **from** 'react';**import** HomeHeader **from** '../../components/HomeHeader';**import** actions **from** '../../store/actions/home';**import** { Store} **from** '../../store/types';**import** { connect } **from** 'react-redux';**export** interface Props{

currentCategory?: any,

setCurrentCategory?: any

}**class** **Home** **extends** **React**.**Component**<**Props**> {

render() {

**return** (

<React.Fragment>

<HomeHeader

currentCategory={this.props.currentCategory}

setCurrentCategory={this.props.setCurrentCategory}

/>

</React.Fragment>

);

}

}

**export** **default** connect(

(state:Store)=>state.home,

actions

)(Home);

### **4.3 store/action-types.tsx**

src/store/action-types.tsx

+ export const SET\_CURRENT\_CATEGORY='SET\_CURRENT\_CATEGORY';

### **4.4 reducers/index.tsx**

src/store/reducers/index.tsx

**import** { combineReducers } **from** 'redux';**import** history **from** '../history';**import** home **from** './home';**import** { connectRouter } **from** 'connected-react-router'**let** reducers=combineReducers({

home,

router: connectRouter(history)

});**export** **default** reducers;

### **4.5 types/index.tsx**

src/store/types/index.tsx

**export** interface Store{

home: Home

}**export** interface Home{

currentCategory: string

}

**export** interface Props{

children?: any,

}

### **4.6 actions/home.tsx**

src/store/actions/home.tsx

**import** {SET\_CURRENT\_CATEGORY} **from** '../action-types';**export** interface setCurrentCategory{

type: **typeof** SET\_CURRENT\_CATEGORY,

currentCategory:string

}**export** type Action=setCurrentCategory;**export** **default** {

setCurrentCategory(currentCategory:string): setCurrentCategory {

**return** { type: SET\_CURRENT\_CATEGORY,currentCategory };

}

}

### **4.7 reducers/home.tsx**

src/store/reducers/home.tsx

**import** \* **as** types **from** '../action-types';**import** { Home } **from** '../types';**import** {Action} **from** '../actions/home';**export** **default** **function** (state: Home={ currentCategory: '' },action: Action): **Home** {

**switch** (action.type) {

**case** types.SET\_CURRENT\_CATEGORY:

**return** {...state,currentCategory:action.currentCategory};

**default**:

**return** state;

}

}

## **5. 轮播图**

### **5.1 HomeSwiper/index.tsx**

src/components/HomeSwiper/index.tsx

**import** \* **as** React **from** 'react';**import** \* **as** ReactSwipe **from** 'react-swipe';**import** './index.less';

interface Props{

sliders:any

}**export** interface State{

index:number

}**export** **default** **class** **Swiper** **extends** **React**.**Component**<**Props**,**State**> {

state={ index:0}

render() {

**let** options={

continuous: true,

callback: (index: number) => {

**this**.setState({index});

}

}

**let** swiper=(

<ReactSwipe className="carousel" swipeOptions={options}>

{this.props.sliders.map((item:string,index:number) => (

<div key={index}><img src={item}/></div>

))}

</ReactSwipe>

)

**return** (

<div className="home-sliders">

{this.props.sliders.length>0? swiper:null}

<div className="dots">

{

this.props.sliders.map((item:string,index:number) => (

<span key={index} className={`dot ${this.state.index ==index?'active':''}`}></span>

))

}

</div>

</div>

);

}

}

### **5.2 HomeSwiper/index.less**

src/components/HomeSwiper/index.less

.home-sliders{

position: relative;

img{

width:100%;

}

.dots{

width:100%;

position: absolute;

bottom:7px;

display: flex;

justify-content: center;

align-items: center;

.dot{

width:8px;

height:8px;

border-radius: 5px;

background-color:#FFF;

margin-left:5px;

&.active{

background-color:salmon;

}

}

}

}

### **5.3 server/app.js**

server/app.js

**let** express=require('express');**let** app=express();

app.use(**function** (req,res,next) {

res.header('Access-Control-Allow-Methods','PUT,POST,GET,DELETE,OPTIONS');

res.header('Access-Control-Allow-Origin','http://localhost:8081');

res.header('Access-Control-Allow-Credentials','true');

**if** (req.method === 'OPTIONS') {

**return** res.sendStatus(200);

}

next();

});

app.listen(3000);**let** sliders=require('./mock/sliders');

app.get('/sliders',**function** (req,res) {

res.json(sliders);

});

### **5.4 src/api/index.tsx**

src/api/index.tsx

**const** API\_HOST='http://localhost:3000';**export** **const** **get**=(url:string) => {

**return** fetch(API\_HOST+url,{

method: 'GET',

credentials: 'include',//跨域携带cookie

headers: {

accept:'application/json'

}

}).then(res=>res.json());

}**export** **const** post=(url:string,data:object) => {

**return** fetch(API\_HOST+url,{

method: 'POST',

body: JSON.stringify(data),

headers: {

'Content-Type': 'application/json',

'Accept':'application/json'

}

});

}

### **5.5 api/home.tsx**

src/api/home.tsx

**import** {**get**} from './index';

export const getSliders=() => {

**return** **get**('/sliders');

}

### **5.6 server/app.js**

server/app.js

**let** express=require('express');**let** app=express();

app.use(**function** (req,res,next) {

res.header('Access-Control-Allow-Methods','PUT,POST,GET,DELETE,OPTIONS');

res.header('Access-Control-Allow-Origin','http://localhost:8081');

res.header('Access-Control-Allow-Credentials','true');

**if** (req.method === 'OPTIONS') {

**return** res.sendStatus(200);

}

next();

});

app.listen(3000);**let** sliders=require('./mock/sliders');

app.get('/sliders',**function** (req,res) {

res.json(sliders);

});

### **5.7 server/mock/sliders.js**

server/mock/sliders.js

module.exports = [

'http://www.zhufengpeixun.cn/themes/jianmo2/images/reactnative.png',

'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

'http://www.zhufengpeixun.cn/themes/jianmo2/images/wechat.png',

'http://www.zhufengpeixun.cn/themes/jianmo2/images/architect.jpg'

];

## **6. 课程列表**

### **6.1 server/app.js**

**let** lessons = require('./mock/lessons');// http://getLessons/vue?offset=0&limit=5

app.get('/getLessons/:category',**function**(req,res){

**let** category = req.params.category;

**let** {offset,limit} = req.query;

offset = isNaN(offset)?0:parseInt(offset);//偏移量

limit = isNaN(limit)?5:parseInt(limit); //每页条数

**let** list = JSON.parse(JSON.stringify(lessons));

**if**(category!='all'){

list = list.filter(item=>item.category==category);

}

**let** total = list.length;

//分页数据

list = list.slice(offset,offset+limit);

//list.forEach(item=>item.title= item.title+Math.random());

setTimeout(**function**(){

res.json({

list,

hasMore:total>offset+limit

});

},1000);

});

### **6.2 mock/lessons.js**

server/mock/lessons.js

module.exports = [

{

id: 1,

title: '1.React全栈架构',

"video":"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥100.00元',

category:'react'

},

{

id: 2,

title: '2.React全栈架构',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥200.00元',

category:'react'

},

{

id: 3,

title: '3.React全栈架构',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥300.00元',

category:'react'

},

{

id: 4,

title: '4.React全栈架构',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥400.00元',

category:'react'

},

{

id: 5,

title: '5.React全栈架构',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥500.00元',

category:'react'

},

{

id: 6,

title: '6.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥100.00元',

category:'vue'

},

{

id: 7,

title: '7.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥200.00元',

category:'vue'

},

{

id: 8,

title: '8.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥300.00元',

category:'vue'

},

{

id: 9,

title: '9.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥400.00元',

category:'vue'

},

{

id: 10,

title: '10.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥500.00元',

category:'vue'

},

{

id: 11,

title: '11.React全栈架构',

"video":"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥600.00元',

category:'react'

},

{

id: 12,

title: '12.React全栈架构',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥700.00元',

category:'react'

},

{

id: 13,

title: '13.React全栈架构',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥800.00元',

category:'react'

},

{

id: 14,

title: '14.React全栈架构',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥900.00元',

category:'react'

},

{

id: 15,

title: '15.React全栈架构',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/react/img/react.jpg",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/react.png',

price: '¥1000.00元',

category:'react'

},

{

id: 16,

title: '16.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥600.00元',

category:'vue'

},

{

id: 17,

title: '17.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥700.00元',

category:'vue'

},

{

id: 18,

title: '18.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥800.00元',

category:'vue'

},

{

id: 19,

title: '19.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥900.00元',

category:'vue'

},

{

id: 20,

title: '20.Vue从入门到项目实战',

video:"http://7xil5b.com1.z0.glb.clouddn.com/zhufengpeixun.mp4",

poster:"http://www.zhufengpeixun.cn/vue/img/vue.png",

url: 'http://www.zhufengpeixun.cn/themes/jianmo2/images/vue.png',

price: '¥1000.00元',

category:'vue'

}

]

### **6.3 api/home.tsx**

src/api/home.tsx

**import** {**get**} from './index';

export const getSliders=() => {

**return** **get**('/sliders');

}

export function getLessons(category:string,offset:number,limit:number){

**return** **get**(`/getLessons/${category}?offset=${offset}&limit=${limit}`);

}

### **6.4 HomeHeader/index.tsx**

src/components/HomeHeader/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** { CSSTransition,TransitionGroup } **from** 'react-transition-group';

declare **function** **require**(url: string): **string**;**const** **logo**=**require**('../../common/images/logo.png');**export** **interface** **Props**{

currentCategory?: any,

setCurrentCategory?: any,

fetchLessons:any

}**export** **default** **class** **HomeHeader** **extends** **React**.**Component**<**Props**> {

state={

showList:false

}

setCurrentCategory=(event:any) => {

**let** category=event.target.dataset.category;

**this**.setState({ showList: false },() => {

**this**.props.setCurrentCategory(category);

**this**.props.fetchLessons();

});

}

render() {

**let** {currentCategory}=**this**.props;

**return** (

<div className="home-header">

<div className="header-menu">

<img src={logo} alt="logo" />

<div onClick={() => this.setState({showList:!this.state.showList})}>

{

this.state.showList?<i className="iconfont icon-guanbi"></i>:<i className="iconfont icon-uilist"></i>

}

</div>

</div>

<TransitionGroup>

{

this.state.showList&&<CSSTransition

timeout={500}

classNames="fade"

><ul className="menu-list" onClick={this.setCurrentCategory}>

<li data-category="react" className={currentCategory=='react'?'active':''}>React</li>

<li data-category="vue" className={currentCategory=='vue'?'active':''}>Vue</li>

</ul></CSSTransition>

}

</TransitionGroup>

</div>

);

}

}

### **6.5 Home/index.tsx**

src/containers/Home/index.tsx

**import** \* **as** React **from** 'react';**import** HomeHeader **from** '../../components/HomeHeader';**import** actions **from** '../../store/actions/home';**import** { Store} **from** '../../store/types';**import** { connect } **from** 'react-redux';**import** HomeSwiper **from** '../../components/HomeSwiper';**import** './index.less';**import** HomeLessons **from** './HomeLessons';**export** interface Props{

currentCategory?: any,

setCurrentCategory?: any,

sliders: any,

getSliders: any,

fetchLessons: any,

lessons:any

}**class** **Home** **extends** **React**.**Component**<**Props**> {

mainContent: any

componentDidMount() {

**this**.props.getSliders();

**this**.props.fetchLessons();

}

render() {

**let** {currentCategory,setCurrentCategory,fetchLessons,lessons}=**this**.props;

**return** (

<React.Fragment>

<HomeHeader

currentCategory={currentCategory}

setCurrentCategory={setCurrentCategory}

fetchLessons={fetchLessons}

/>

<div className="main-content" ref={ref => this.mainContent=ref}>

<HomeSwiper sliders={this.props.sliders} />

<HomeLessons

lessons={lessons}

fetchLessons={this.props.fetchLessons}

/>

</div>

</React.Fragment>

);

}

}

**export** **default** connect(

(state:Store)=>state.home,

actions

)(Home);

### **6.6 store/action-types.tsx**

src/store/action-types.tsx

**export** **const** SET\_CURRENT\_CATEGORY='SET\_CURRENT\_CATEGORY';**export** **const** SET\_HOME\_SLIDERS='SET\_HOME\_SLIDERS';

**export** **const** SET\_LOADING\_LESSONS = 'SET\_LOADING\_LESSONS';**export** **const** SET\_LESSONS='SET\_LESSONS';**export** **const** FETCH\_LESSONS='FETCH\_LESSONS';

### **6.7 actions/home.tsx**

src/store/actions/home.tsx

**import** \* **as** types **from** '../action-types';**import** {getSliders,getLessons} **from** '../../api/home';**export** interface setCurrentCategory{

type: **typeof** types.SET\_CURRENT\_CATEGORY,

currentCategory:string

}**export** type Action=any;**export** **default** {

setCurrentCategory(currentCategory:string): setCurrentCategory {

**return** { type: types.SET\_CURRENT\_CATEGORY,currentCategory };

},

getSliders(){

//这二个参数是redux-thunk 提供的

**return** **function**(dispatch:any,getState:any){

getSliders().then((sliders:any)=>{

dispatch({type:types.SET\_HOME\_SLIDERS,payload:sliders});

});

}

},

fetchLessons() {

**return** (dispatch:any,getState:any) => {

**let** {currentCategory,lessons: {hasMore,offset,limit,loading}}=getState().home;

**if** (hasMore &&!loading) {

dispatch({type:types.SET\_LOADING\_LESSONS,payload:true});

getLessons(currentCategory,offset,limit).then(payload => {

dispatch({type: types.FETCH\_LESSONS,payload});

});

}

}

}

}

### **6.8 reducers/home.tsx**

src/store/reducers/home.tsx

**import** \* **as** types **from** '../action-types';**import** { Home } **from** '../types';**import** {Action} **from** '../actions/home';**export** **default** **function** (state: Home={ currentCategory: 'all',sliders:[],lessons:{loading:false,hasMore:true,list:[],offset:0} },action: Action): **Home** {

**switch** (action.type) {

**case** types.SET\_CURRENT\_CATEGORY:

**return** { ...state,currentCategory: action.currentCategory };

**case** types.SET\_HOME\_SLIDERS:

**return** { ...state,sliders: action.payload };

**case** types.FETCH\_LESSONS:

**return** {

...state,

lessons: {

...state.lessons,

loading: false,

hasMore:action.payload.hasMore,

list: action.payload.list,

offset:action.payload.list.length

}

};

**default**:

**return** state;

}

}

### **6.9 types/index.tsx**

src/store/types/index.tsx

**export** interface Store{

home: Home

}**export** interface Home{

currentCategory: string,

sliders: string[],

lessons:any

}

**export** interface Props{

children?: any,

}

### **6.10 Loading/index.tsx**

src/components/Loading/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**export** interface Props{

children?: any,

}**export** **default** **class** **Loading** **extends** **React**.**Component**<**Props**> {

render() {

**return** (

<div className="loading">

loading

</div>

);

}

}

### **6.11 HomeLessons/index.tsx**

src/containers/Home/HomeLessons/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less';**import** Loading **from** '../../../components/Loading';**import** { Link } **from** 'react-router-dom';

interface Props {

lessons: any,

fetchLessons:any

}**export** **default** **class** **HomeLessons** **extends** **React**.**Component**<**Props**>{

render(){

**let** {list,hasMore,loading} = **this**.props.lessons;

**return** (

<div className="home-lessons">

<div className="all-lessons">

<i className="iconfont icon-kecheng-copy"></i>

<span>全部课程</span>

</div>

{

list.length>0?list.map((item:any,index:number)=>(

<Link key={index} to={{pathname:`/detail/${item.id}`,state:item}}>

<div key={index} className="lesson">

<img src={item.poster}/>

<p>{item.title}</p>

<p>{item.price}</p>

</div>

</Link>

)):<div className="no-data">暂无数据</div>

}

{

loading?<Loading/>:(!hasMore&& <div className="loading-more" >到底了</div>)

}

</div>

)

}

}

### **6.12 HomeLessons/index.less**

src/containers/Home/HomeLessons/index.less

.home-lessons{

width:100%;

box-sizing: border-box;

padding:7.5px;

.all-lessons{

margin:10px 0;

span{

margin-left:8px;

}

}

.no-data{

width:100%;

height:35px;

line-height: 35px;

border-radius: 5px;

color:#000;

text-align:center;

}

.lesson{

overflow: hidden;

margin-bottom:17px;

border-radius: 8px;

box-shadow: 1px 1px 3px 2px #c1c1c1,-1px -1px 3px 2px #c1c1c1;

img{

width:100%;

height:140px;

border-radius: 8px 8px 0 0;

}

p{

height:37px;

text-align: center;

line-height: 37px;

&:nth-child(2){

color:#b3b3b3;

}

&:nth-child(3){

color:#ed3a3a;

}

}

}

.loading-more{

width:100%;

height:35px;

line-height: 35px;

border-radius: 5px;

background-color:seagreen;

color:#FFF;

text-align:center;

}

}

## **7. 加载更多**

### **7.1 server/app.js**

server/app.js

**let** express=require('express');**let** app=express();

app.use(**function** (req,res,next) {

res.header('Access-Control-Allow-Methods','PUT,POST,GET,DELETE,OPTIONS');

res.header('Access-Control-Allow-Origin','http://localhost:8080');

res.header('Access-Control-Allow-Credentials','true');

**if** (req.method === 'OPTIONS') {

**return** res.sendStatus(200);

}

next();

});

app.listen(3000);**let** sliders=require('./mock/sliders');

app.get('/sliders',**function** (req,res) {

res.json(sliders);

});**let** lessons = require('./mock/lessons');// http://getLessons/vue?offset=0&limit=5

app.get('/getLessons/:category',**function**(req,res){

**let** category = req.params.category;

**let** {offset,limit} = req.query;

offset = isNaN(offset)?0:parseInt(offset);//偏移量

limit = isNaN(limit)?5:parseInt(limit); //每页条数

**let** list = JSON.parse(JSON.stringify(lessons));

**if**(category!='all'){

list = list.filter(item=>item.category==category);

}

**let** total = list.length;

//分页数据

list = list.slice(offset,offset+limit);

//list.forEach(item=>item.title= item.title+Math.random());

setTimeout(**function**(){

res.json({

list,

hasMore:total>offset+limit

});

},1000);

});

### **7.2 Loading/index.less**

src/components/Loading/index.less

.loading{

width:100%;

height:43px;

line-height: 43px;

text-align: center;

img{

height:43px;

width:43px;

}

}

### **7.3 Loading/index.tsx**

src/components/Loading/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less';

declare **function** **require**(url: string): **string**;**let** **loading**=**require**('../../images/loading.gif');**export** **interface** **Props**{

children?: any,

}**export** **default** **class** **Loading** **extends** **React**.**Component**<**Props**> {

render() {

**return** (

<div className="loading">

<img src={loading}/>

</div>

);

}

}

### **7.4 HomeLessons/index.tsx**

src/containers/Home/HomeLessons/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less';**import** Loading **from** '../../../components/Loading';**import** { Link } **from** 'react-router-dom';

interface Props {

lessons: any,

getLessons:any

}**export** **default** **class** **HomeLessons** **extends** **React**.**Component**<**Props**>{

render(){

**let** { lessons: { list,hasMore,loading },getLessons} = **this**.props;

**return** (

<div className="home-lessons">

<div className="all-lessons">

<i className="iconfont icon-kecheng-copy"></i>

<span>全部课程</span>

</div>

{

list.length>0?list.map((item:any,index:number)=>(

<Link key={index} to={{pathname:`/detail/${item.id}`,state:item}}>

<div key={index} className="lesson">

<img src={item.poster}/>

<p>{item.title}</p>

<p>{item.price}</p>

</div>

</Link>

)):<div className="no-data">暂无数据</div>

}

{

loading?<Loading/>:(hasMore?<div className="loading-more" onClick={getLessons} >加载更多</div>:<div className="loading-more">木有了</div>)

}

</div>

)

}

}

### **7.5 Home/index.tsx**

src/containers/Home/index.tsx

**import** \* **as** React **from** 'react';**import** HomeHeader **from** './HomeHeader';**import** actions **from** '../../store/actions/home';**import** { Store} **from** '../../store/types';**import** { connect } **from** 'react-redux';**import** HomeSwiper **from** './HomeSwiper';**import** HomeLessons **from** './HomeLessons';**import** './index.less';

**export** interface Props{

currentCategory?: any,

setCurrentCategory?: any,

sliders: any,

getSliders: any,

getLessons: any,

lessons: any,

refreshLessons:any

}**class** **Home** **extends** **React**.**Component**<**Props**> {

mainContent: any

componentDidMount() {

**this**.props.getSliders();

**this**.props.getLessons();

}

render() {

**let** {currentCategory,setCurrentCategory,getLessons,lessons,refreshLessons}=**this**.props;

**return** (

<React.Fragment>

<HomeHeader

currentCategory={currentCategory}

setCurrentCategory={setCurrentCategory}

refreshLessons={refreshLessons}

/>

<div className="main-content" ref={ref => this.mainContent=ref}>

<HomeSwiper sliders={this.props.sliders} />

<HomeLessons

lessons={lessons}

getLessons={getLessons}

/>

</div>

</React.Fragment>

);

}

}

**export** **default** connect(

(state:Store)=>state.home,

actions

)(Home);

### **7.6 store/action-types.tsx**

src/store/action-types.tsx

//开始加载下一页的数据**export** **const** SET\_HOME\_LESSONS\_LOADING='SET\_HOME\_LESSONS\_LOADING';//追加一页数据**export** **const** ADD\_HOME\_LESSONS='ADD\_HOME\_LESSONS';//重置课程列表开始**export** **const** REFRESH\_HOME\_LESSONS\_LOADING='REFRESH\_HOME\_LESSONS\_LOADING';//重置课程列表**export** **const** REFRESH\_HOME\_LESSONS='REFRESH\_HOME\_LESSONS';

### **7.7 actions/home.tsx**

src/store/actions/home.tsx

**import** \* **as** types **from** '../action-types';**import** {getSliders,getLessons} **from** '../../api/home';**export** interface setCurrentCategory{

type: **typeof** types.SET\_CURRENT\_CATEGORY,

currentCategory:string

}**export** type Action=any;**export** **default** {

setCurrentCategory(currentCategory:string): setCurrentCategory {

**return** { type: types.SET\_CURRENT\_CATEGORY,currentCategory };

},

getSliders(){

//这二个参数是redux-thunk 提供的

**return** **function**(dispatch:any,getState:any){

getSliders().then((sliders:any)=>{

dispatch({type:types.SET\_HOME\_SLIDERS,payload:sliders});

});

}

},

//获取下一页的课程

getLessons() {

**return** (dispatch:any,getState:any) => {

**let** {currentCategory,lessons: {hasMore,offset,limit,loading}}=getState().home;

**if** (hasMore &&!loading) {

dispatch({type:types.SET\_HOME\_LESSONS\_LOADING,payload:true});

getLessons(currentCategory,offset,limit).then(payload => {

dispatch({type: types.ADD\_HOME\_LESSONS,payload});

});

}

}

},

//重新获取第一页的数据

refreshLessons(){

**return** **function**(dispatch:any,getState:any){

**let** {currentCategory,lessons: {limit,loading}}=getState().home;

**if** (!loading) {

dispatch({type:types.REFRESH\_HOME\_LESSONS\_LOADING});

getLessons(currentCategory,0,limit).then(payload=>{

dispatch({type:types.REFRESH\_HOME\_LESSONS,payload});

});

}

}

}

}

### **7.8 reducers/home.tsx**

src/store/reducers/home.tsx

**import** \* **as** types **from** '../action-types';**import** { Home } **from** '../types';**import** {Action} **from** '../actions/home';**export** **default** **function** (state: Home={ currentCategory: 'all',sliders:[],lessons:{loading:false,hasMore:true,list:[],offset:0} },action: Action): **Home** {

**switch** (action.type) {

**case** types.SET\_CURRENT\_CATEGORY:

**return** { ...state,currentCategory: action.currentCategory };

**case** types.SET\_HOME\_SLIDERS:

**return** { ...state,sliders: action.payload };

**case** types.SET\_HOME\_LESSONS\_LOADING:

**return** {...state,lessons:{

...state.lessons,

loading:action.payload

}};

**case** types.ADD\_HOME\_LESSONS://增加一页数据

**return** {...state,lessons:{

...state.lessons,

list:[...state.lessons.list,...action.payload.list],

hasMore:action.payload.hasMore,

offset:state.lessons.offset+action.payload.list.length,

loading:false

}

};

**case** types.REFRESH\_HOME\_LESSONS\_LOADING:

**return** {...state,lessons:{

...state.lessons,

list:[],

hasMore:true,

offset:0,

loading:true

}};

**case** types.REFRESH\_HOME\_LESSONS://刷新课程数据

**return** {...state,lessons:{

...state.lessons,

list:action.payload.list,

hasMore:action.payload.hasMore,

offset:action.payload.list.length,

loading:false

}};

**default**:

**return** state;

}

}

### **7.9 HomeHeader/index.tsx**

src/containers/Home/HomeHeader/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** { CSSTransition,TransitionGroup } **from** 'react-transition-group';

declare **function** **require**(url: string): **string**;**const** **logo**=**require**('../../../common/images/logo.png');**export** **interface** **Props**{

currentCategory?: any,

setCurrentCategory?: any,

refreshLessons:any

}**export** **default** **class** **HomeHeader** **extends** **React**.**Component**<**Props**> {

state={

showList:false

}

setCurrentCategory=(event:any) => {

**let** category=event.target.dataset.category;

**this**.props.setCurrentCategory(category);

**this**.setState({ showList: false },**this**.props.refreshLessons);

}

render() {

**let** {currentCategory}=**this**.props;

**return** (

<div className="home-header">

<div className="header-menu">

<img src={logo} alt="logo" />

<div onClick={() => this.setState({showList:!this.state.showList})}>

{

this.state.showList?<i className="iconfont icon-guanbi"></i>:<i className="iconfont icon-uilist"></i>

}

</div>

</div>

<TransitionGroup>

{

this.state.showList&&<CSSTransition

timeout={500}

classNames="fade"

><ul className="menu-list" onClick={this.setCurrentCategory}>

<li data-category="react" className={currentCategory=='react'?'active':''}>React</li>

<li data-category="vue" className={currentCategory=='vue'?'active':''}>Vue</li>

</ul></CSSTransition>

}

</TransitionGroup>

</div>

);

}

}

### **7.10**

### **7.11 HomeSwiper/index.tsx**

src/containers/Home/HomeSwiper/index.tsx

**import** \* **as** React **from** 'react';**import** \* **as** ReactSwipe **from** 'react-swipe';**import** './index.less';

interface Props{

sliders:any

}**export** interface State{

index:number

}**export** **default** **class** **Swiper** **extends** **React**.**Component**<**Props**,**State**> {

state={ index:0}

render() {

**let** options={

continuous: true,

auto: 3000,

callback: (index: number) => {

**this**.setState({index});

}

}

**let** swiper=(

<ReactSwipe className="carousel" swipeOptions={options}>

{this.props.sliders.map((item:string,index:number) => (

<div key={index}><img src={item}/></div>

))}

</ReactSwipe>

)

**return** (

<div className="home-sliders">

{this.props.sliders.length>0? swiper:null}

<div className="dots">

{

this.props.sliders.map((item:string,index:number) => (

<span key={index} className={`dot ${this.state.index ==index?'active':''}`}></span>

))

}

</div>

</div>

);

}

}

## **8. 上拉加载**

### **8.1 Home/index.tsx**

src/containers/Home/index.tsx

**import** \* **as** React **from** 'react';**import** HomeHeader **from** './HomeHeader';**import** actions **from** '../../store/actions/home';**import** { Store} **from** '../../store/types';**import** { connect } **from** 'react-redux';**import** HomeSwiper **from** './HomeSwiper';**import** HomeLessons **from** './HomeLessons';**import** './index.less';**import** {loadMore,downReferesh} **from** '../../utils';**export** interface Props{

currentCategory?: any,

setCurrentCategory?: any,

sliders: any,

getSliders: any,

getLessons: any,

lessons: any,

refreshLessons:any

}**class** **Home** **extends** **React**.**Component**<**Props**> {

mainContent: any

componentDidMount() {

**this**.props.getSliders();

**this**.props.getLessons();

loadMore(**this**.mainContent,**this**.props.getLessons);

downReferesh(**this**.mainContent,**this**.props.refreshLessons);

}

render() {

**let** {currentCategory,setCurrentCategory,getLessons,lessons,refreshLessons}=**this**.props;

**return** (

<React.Fragment>

<HomeHeader

currentCategory={currentCategory}

setCurrentCategory={setCurrentCategory}

refreshLessons={refreshLessons}

/>

<div className="main-content" ref={ref => this.mainContent=ref}>

<HomeSwiper sliders={this.props.sliders} />

<HomeLessons

lessons={lessons}

getLessons={getLessons}

/>

</div>

</React.Fragment>

);

}

}

**export** **default** connect(

(state:Store)=>state.home,

actions

)(Home);

### **8.2 src/utils.tsx**

src/utils.tsx

//ele 要实现此功能DOM对象 callback加载更多的方法**export** **function** **loadMore**(element:any,callback:any){

**let** timer:any;

element.addEventListener('scroll',**function**(){

timer&&clearTimeout(timer);

timer = setTimeout(**function**(){

**let** clientHeight = element.clientHeight;

**let** scrollTop = element.scrollTop;

**let** scrollHeight = element.scrollHeight;

**if**(clientHeight+scrollTop+10 >= scrollHeight){

callback();

}

},300);

});

}//下拉刷新**export** **function** **downReferesh**(element:any,callback:any){

**let** startY:number;//刚按下的时候初始纵坐标

**let** distance:number;//下拉的距离

**let** originTop=element.offsetTop;//最初的距离父级顶部的距离

element.addEventListener('touchstart',**function**(event:any){

**if**(element.offsetTop == originTop && element.scrollTop ==0){

startY= event.touches[0].pageY;

element.addEventListener('touchmove',touchMove);

element.addEventListener('touchend',touchEnd);

}

**function** **touchMove**(event:any){

**let** pageY = event.touches[0].pageY;

**if**(pageY > startY){//如果越来越大，表示下拉

distance = pageY - startY;

element.style.top = originTop+distance+'px';

}**else**{

element.removeEventListener('touchmove',touchMove);

element.removeEventListener('touchend',touchEnd);

}

}

**function** **touchEnd**(){

element.removeEventListener('touchmove',touchMove);

element.removeEventListener('touchend',touchEnd);

**let** timer = setInterval(**function**(){

**if**(distance<1){

element.style.top = originTop+'px';//11.5

clearInterval(timer);

}**else**{

element.style.top = originTop+(--distance)+'px';

}

},13);

**if**(distance>30){

callback();

}

}

});

}

## **9. 课程详情**

### **9.1 src/index.tsx**

**import** \* **as** React **from** 'react';**import** \* **as** ReactDOM **from** 'react-dom';**import** Home **from** './containers/Home';**import** Detail **from** './containers/Detail';**import** Profile **from** './containers/Profile';**import** App **from** './containers/App';**import** { Provider } **from** 'react-redux';**import** store **from** './store';**import** {Route } **from** 'react-router-dom';**import** { ConnectedRouter } **from** 'connected-react-router'**import** history **from** './store/history';

ReactDOM.render((

<Provider store={store}>

<ConnectedRouter history={history}>

<App>

<Route exact path="/" component={Home} />

<Route path="/detail/:id" component={Detail} />

<Route path="/profile" component={Profile}/>

</App>

</ConnectedRouter>

</Provider>

),document.getElementById('root'));

### **9.2 NavHeader/index.tsx**

src/components/NavHeader/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less';

interface Props{

history: any,

title: string

}**export** **default** **class** **NavHeader** **extends** **React**.**Component**<**Props**>{

render(){

**return** (

<div className="navheader">

<i

onClick={()=>this.props.history.goBack()}

className="iconfont icon-fanhui"></i>

{this.props.title}

</div>

)

}

}

### **9.3 NavHeader/index.less**

src/components/NavHeader/index.less

.navheader{

height:56px;

background-color: #000;

color:#FFF;

line-height: 56px;

text-align: center;

position: fixed;

top:0;

left:0;

width:100%;

i{

position: absolute;

left:10px;

}

}

### **9.4 Detail/index.tsx**

src/containers/Detail/index.tsx

**import** \* **as** React **from** 'react';**import** NavHeader **from** '../../components/NavHeader';**import** {Redirect} **from** 'react-router-dom';**import** './index.less';

interface Props{

location: any,

history:any,

match:any

}**export** **default** **class** **Detail** **extends** **React**.**Component**<**Props**>{

state = {

lesson:**this**.props.location.state||{}

}

render(){

**let** { lesson }=**this**.state;

**return** (

lesson?(

<div className="lesson-detail">

<NavHeader title="课程详情" history={this.props.history} />

<img src={lesson.poster}/>

<p>{lesson.title}</p>

<p>{lesson.price}</p>

</div>

):<Redirect to="/"/>

)

}

}

### **9.5 Detail/index.less**

src/containers/Detail/index.less

.lesson-detail{

padding-top:56px;

img{

height:167px;

width:100%;

}

p{

text-align: center;

line-height:34px;

height:34px;

&:nth-child(2){

color:#CCC;

}

&:nth-child(2){

color:#F00;

}

}

}

## **10. 记住滚动条位置**

### **10.1 Home/index.tsx**

src/containers/Home/index.tsx

componentDidMount() {

**if** (**this**.props.lessons.list.length == 0) {

**this**.props.getSliders();

**this**.props.getLessons();

} **else** {

**this**.mainContent.scrollTop=store.get('scrollTop');

}

loadMore(**this**.mainContent,**this**.props.getLessons);

downReferesh(**this**.mainContent,**this**.props.refreshLessons);

}

componentWillUnmount() {

store.set('scrollTop',**this**.mainContent.scrollTop);

}

### **10.2 src/utils.tsx**

src/utils.tsx

**export** **const** store = {

**set**(key:string,val:string) {

sessionStorage.setItem(key,val);

},

**get**(key:string) {

**return** sessionStorage.getItem(key);

}

}

## **11. 个人中心**

### **11.1 Profile/index.tsx**

src/containers/Profile/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** { Link } **from** 'react-router-dom';

declare **function** **require**(url: string): **string**;**let** **profile**=**require**('../../images/profile.png');**export** **default** **class** **Profile** **extends** **React**.**Component**{

render() {

**return** (

<div className="profile">

<div className="profile-bg">

<img src={profile}/>

<div className="login-btn">

<Link to="/login">登录</Link>

</div>

</div>

</div>

)

}

}

### **11.2 Profile/index.less**

src/containers/Profile/index.less

.profile{

.profile-bg{

width:100%;

height:223px;

background-image: url(../../images/login\_bg.png);

background-size:contain;

display:flex;

flex-direction: column;

justify-content: center;

align-items: center;

img{

width:60px;

height:60px;

border-radius:50%;

}

.login-btn{

width:60px;

height:25px;

border-radius: 10px;

background:#FFF;

color:#188AE4;

line-height:25px;

text-align:center;

font-size:13px;

font-weight: bold;

margin-top:10px;

a{

text-decoration: none;

&:link{

text-decoration: none;

color:#188AE4;

}

}

}

}

}

## **12.登录**

### **12.1 src/index.tsx**

src/index.tsx

+ <Route path="/login" component={Login}/>

### **12.2 Login/index.tsx**

src/containers/Login/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** {Link} **from** 'react-router-dom';**import** NavHeader **from** '../../components/NavHeader';

declare **function** **require**(url: string): **string**;**let** **profile**=**require**('../../images/profile.png');**interface** **Props**{

history:any

}**export** **default** **class** **Login** **extends** **React**.**Component**<**Props**>{

render() {

**return** (

<div className="login-panel">

<NavHeader title="登录" history={this.props.history} />

<div className="login-logo">

<img src={profile} />

</div>

<input type="text" placeholder="手机号" />

<input type="text" placeholder="密码" />

<Link to="/reg">前往注册</Link>

<button>登&nbsp;录</button>

</div>

)

}

}

### **12.3 Login/index.less**

src/containers/Login/index.less

.login-panel{

padding:56px 17px;

display:flex;

flex-direction: column;

position: absolute;

top:0;

left:0;

right:0;

bottom:0;

background:#FFF;

z-index: 20;

.login-logo{

display:flex;

height:223px;

width:100%;

justify-content: center;

align-items: center;

img{

height:62px;

width:62px;

}

}

input{

width:100%;

outline:none;

border:1px solid #CCC;

border-radius: 5px;

height:42px;

margin-bottom:20px;

padding-left:10px;

box-sizing: border-box;

}

a{

color:#188AE4;

margin-bottom:20px;

}

button{

width:100%;

background-color: #188AE4;

color:#FFF;

height:40px;

line-height: 40px;

text-align:center;

font-size:16px;

border-radius:5px;

}

}

## **13.注册**

### **13.1 src/index.tsx**

<Route path="/reg" component={Reg}/>

### **13.2 Reg/index.tsx**

src/containers/Reg/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** {Link} **from** 'react-router-dom';**import** NavHeader **from** '../../components/NavHeader';

declare **function** **require**(url: string): **string**;**let** **profile**=**require**('../../images/profile.png');**interface** **Props**{

history:any

}**export** **default** **class** **Login** **extends** **React**.**Component**<**Props**>{

render() {

**return** (

<div className="login-panel">

<NavHeader title="注册" history={this.props.history}/>

<div className="login-logo">

<img src={profile} />

</div>

<input type="text" placeholder="手机号" />

<input type="text" placeholder="密码" />

<Link to="/login">前往登录</Link>

<button>注&nbsp;册</button>

</div>

)

}

}

### **13.3 Reg/index.less**

src/containers/Reg/index.less

.login-panel{

padding:56px 17px;

display:flex;

flex-direction: column;

position: absolute;

top:0;

left:0;

right:0;

bottom:0;

background:#FFF;

z-index: 20;

.login-logo{

display:flex;

height:223px;

width:100%;

justify-content: center;

align-items: center;

img{

height:62px;

width:62px;

}

}

input{

width:100%;

outline:none;

border:1px solid #CCC;

border-radius: 5px;

height:42px;

margin-bottom:20px;

padding-left:10px;

box-sizing: border-box;

}

a{

color:#188AE4;

margin-bottom:20px;

}

button{

width:100%;

background-color: #188AE4;

color:#FFF;

height:40px;

line-height: 40px;

text-align:center;

font-size:16px;

border-radius:5px;

}

}

## **14. 实现会话**

### **14.1 server/app.js**

**let** express=require('express');**let** bodyParser = require('body-parser');**let** session=require('express-session');**let** app=express();

app.use(bodyParser.json());

app.use(**function** (req,res,next) {

res.header('Access-Control-Allow-Methods','PUT,POST,GET,DELETE,OPTIONS');

res.header('Access-Control-Allow-Headers','Content-Type');

res.header('Access-Control-Allow-Origin','http://localhost:8080');

res.header('Access-Control-Allow-Credentials','true');

**if** (req.method === 'OPTIONS') {

**return** res.sendStatus(200);

}

next();

});

app.use(session({

resave:true,

secret:'zfpx',

saveUninitialized:true

}));

app.listen(3000);**let** sliders=require('./mock/sliders');

app.get('/sliders',**function** (req,res) {

res.json(sliders);

});**let** lessons = require('./mock/lessons');// http://getLessons/vue?offset=0&limit=5

app.get('/getLessons/:category',**function**(req,res){

**let** category = req.params.category;

**let** {offset,limit} = req.query;

offset = isNaN(offset)?0:parseInt(offset);//偏移量

limit = isNaN(limit)?5:parseInt(limit); //每页条数

**let** list = JSON.parse(JSON.stringify(lessons));

**if**(category!='all'){

list = list.filter(item=>item.category==category);

}

**let** total = list.length;

//分页数据

list = list.slice(offset,offset+limit);

//list.forEach(item=>item.title= item.title+Math.random());

setTimeout(**function**(){

res.json({

list,

hasMore:total>offset+limit

});

},1000);

});

// 30 6次 5条 30 offset=30 **let** users = [];

app.post('/api/reg',**function**(req,res){

**let** body = req.body;

users.push(body);

res.json({

code:0,

success:'注册成功'

})

});//user username password

app.post('/api/login',**function**(req,res){

**let** body = req.body;//{username,password}

**let** user = users.find(item=>item.username == body.username && item.password == body.password);

**if**(user){

req.session.user = user;

res.json({

user,

code:0,

success:'登录成功'

});

}**else**{

res.json({

code:1,

error:'登录失败'

});

}

});

app.get('/api/validate',**function**(req,res){

**let** user = req.session.user;

**if**(user){

res.json({

code:0,

success:'此用户已经登录',

user

});

}**else**{

res.json({

code:1,

error:'此用户未登录',

});

}

});

### **14.2 src/api/index.tsx**

**const** API\_HOST='http://localhost:3000';**export** **const** **get**=(url:string) => {

**return** fetch(API\_HOST+url,{

method: 'GET',

credentials: 'include',//跨域携带cookie

headers: {

accept:'application/json'

}

}).then(res=>res.json());

}**export** **const** post=(url:string,data:object) => {

**return** fetch(API\_HOST+url,{

method: 'POST',

body: JSON.stringify(data),

headers: {

'Content-Type': 'application/json',

'Accept':'application/json'

}

}).then(res=>res.json());

}

### **14.3 Login/index.tsx**

src/containers/Login/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** {Link} **from** 'react-router-dom';**import** NavHeader **from** '../../components/NavHeader';**import** { connect } **from** 'react-redux';**import** { Store } **from** '../../store/types';**import** actions **from** '../../store/actions/session';

declare **function** **require**(url: string): **string**;**let** **profile**=**require**('../../images/profile.png');**interface** **Props**{

history: any,

login:any

}**class** **Login** **extends** **React**.**Component**<**Props**>{

username:any

password:any

handleLogin = ()=>{

**let** username = **this**.username.value;

**let** password = **this**.password.value;

**this**.props.login({username,password});

}

render() {

**return** (

<div className="login-panel">

<NavHeader title="登录" history={this.props.history} />

<div className="login-logo">

<img src={profile} />

</div>

<input ref={input=>this.username=input} type="text" placeholder="手机号" />

<input ref={input=>this.password=input} type="text" placeholder="密码" />

<Link to="/reg">前往注册</Link>

<button onClick={this.handleLogin}>登&nbsp;录</button>

</div>

)

}

}

**export** **default** connect(

(state:Store)=>state.session,actions

)(Login);

### **14.4 Profile/index.tsx**

src/containers/Profile/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** { Link } **from** 'react-router-dom';**import** { Store } **from** '../../store/types';**import** { connect } **from** 'react-redux';**import** actions **from** '../../store/actions/session';

declare **function** **require**(url: string): **string**;**let** **profile**=**require**('../../images/profile.png');**interface** **Props**{

user:any

}**class** **Profile** **extends** **React**.**Component**<**Props**>{

render() {

**return** (

<div className="profile">

<div className="profile-bg">

<img src={profile}/>

<div className="login-btn">

{this.props.user?this.props.user.username:<Link to="/login">登录</Link>}

</div>

</div>

</div>

)

}

}**export** **default** connect(

(state:Store)=>state.session,actions

)(Profile);

### **14.5 Reg/index.tsx**

src/containers/Reg/index.tsx

**import** \* **as** React **from** 'react';**import** './index.less'**import** {Link} **from** 'react-router-dom';**import** NavHeader **from** '../../components/NavHeader';**import** { connect } **from** 'react-redux';**import** { Store } **from** '../../store/types';**import** actions **from** '../../store/actions/session';

declare **function** **require**(url: string): **string**;**let** **profile**=**require**('../../images/profile.png');**interface** **Props**{

history: any,

reg:any

}**class** **Login** **extends** **React**.**Component**<**Props**>{

username: any

password: any

handleReg = ()=>{

**let** username = **this**.username.value;

**let** password = **this**.password.value;

**this**.props.reg({username,password});

}

render() {

**return** (

<div className="login-panel">

<NavHeader title="注册" history={this.props.history}/>

<div className="login-logo">

<img src={profile} />

</div>

<input ref={input=>this.username=input} type="text" placeholder="手机号" />

<input ref={input=>this.password=input} type="text" placeholder="密码" />

<Link to="/login">前往登录</Link>

<button onClick={this.handleReg} >注&nbsp;册</button>

</div>

)

}

}

**export** **default** connect(

(state:Store)=>state.session,actions

)(Login);

### **14.6 action-types.tsx**

src/store/action-types.tsx

**export** **const** SET\_CURRENT\_CATEGORY='SET\_CURRENT\_CATEGORY';**export** **const** SET\_HOME\_SLIDERS='SET\_HOME\_SLIDERS';

//开始加载下一页的数据**export** **const** SET\_HOME\_LESSONS\_LOADING='SET\_HOME\_LESSONS\_LOADING';//追加一页数据**export** **const** ADD\_HOME\_LESSONS='ADD\_HOME\_LESSONS';//重置课程列表开始**export** **const** REFRESH\_HOME\_LESSONS\_LOADING='REFRESH\_HOME\_LESSONS\_LOADING';//重置课程列表**export** **const** REFRESH\_HOME\_LESSONS='REFRESH\_HOME\_LESSONS';

//注册**export** **const** REG = 'REG';//登录**export** **const** LOGIN = 'LOGIN';//退出**export** **const** LOGOUT = 'LOGOUT';

//清空消息**export** **const** CLEAR\_MESSAGES = 'CLEAR\_MESSAGES';**export** **const** VALIDATE = 'VALIDATE';

### **14.7 reducers/index.tsx**

src/store/reducers/index.tsx

**import** { combineReducers } **from** 'redux';**import** history **from** '../history';**import** home **from** './home';**import** session **from** './session';**import** { connectRouter } **from** 'connected-react-router'**let** reducers=combineReducers({

home,

session,

router: connectRouter(history)

});**export** **default** reducers;

### **14.8 types/index.tsx**

src/store/types/index.tsx

**export** interface Store{

home: Home,

session:Session

}**export** interface Home{

currentCategory: string,

sliders: string[],

lessons:any

}**export** interface Session{

user?: any,

error: any,

success:any

}

**export** interface Props{

children?: any,

}

### **14.9 api/session.tsx**

src/api/session.tsx

**import** {**get**,post} from './index';

//注册

export function reg(user:any){

**return** post('/api/reg',user);//{username,password}

}//登录**export** **function** **login**(user:any){

**return** post('/api/login',user);//{username,password}

}//退出**export** **function** **logout**(){

**return** **get**('/api/logout');

}

export function validate(){

**return** **get**('/api/validate');

}

### **14.10 actions/session.tsx**

src/store/actions/session.tsx

**import** \* **as** types **from** '../action-types';**import** { reg,login,logout,validate } **from** '../../api/session';**import** {push} **from** 'connected-react-router';**export** type Action=any;

interface Res{

code:any,success:any,error:any

}**export** **default** {

reg(user:any) {

**return** **function** (dispatch:any,getState:any) {

reg(user).then((result) => {

**let** { code,success,error }=result;

dispatch({

type: types.REG,

payload: { success,error }

});

**if** (code==0) {//code=0表示成功 成功后跳到登录页

dispatch(push('/login'));

}

})

}

},

login(user:any) {

**return** **function** (dispatch:any,getState:any) {

login(user).then(result => {

**let** { code,success,error,user }=result;

dispatch({

type: types.LOGIN,

payload: { success,error,user }

});

**if** (code==0) {

dispatch(push('/profile'));

}

})

}

},

logout() {

**return** **function** (dispatch:any,getState:any) {

logout().then(result => {

**let** { code,success,error }=result;

dispatch({

type: types.LOGOUT,

payload: { success,error }

});

dispatch(push('/login'));

});

}

},

clearMessages() {

**return** {

type: types.CLEAR\_MESSAGES

}

},

validate() {

**return** **function** (dispatch:any,getState:any) {

validate().then(result => {

**let** { code,success,error,user }=result;

dispatch({

type: types.VALIDATE,

payload: { success,error,user }

});

});

}

}

}

### **14.11 reducers/session.tsx**

src/store/reducers/session.tsx

**import** \* **as** types **from** '../action-types';**import** { Session } **from** '../types';

**let** initState = {

error: '',//错误消息

success: '',//成功消息

//如果登录成功的话，需要给此属性赋值为登录用户

}**export** **default** **function** (state:Session = initState, action:any) {

**switch** (action.type) {

**case** types.REG:///注册方法调用完成后

//不需要解构老状态

**return** {

...action.payload

};

**case** types.LOGIN:///注册方法调用完成后

**return** {

...action.payload

};

**case** types.LOGOUT:///退出方法调用完成后

**return** {

...action.payload

};

**case** types.CLEAR\_MESSAGES:

**return** {

...state,

error: '',

success:''

};

**case** types.VALIDATE:

**return** {

...state,

...action.payload

};

**default**:

**return** state;

}

}

## **15. 受保护路由**

### **15.1 PrivateRoute/index.tsx**

src/containers/PrivateRoute/index.tsx

**import** \* **as** React **from** 'react';**import** {Route,Redirect} **from** 'react-router-dom';**import** { connect } **from** 'react-redux';**import** { Store } **from** '../../store/types';

interface Props{

path: any,

component: any,

user:any

}**class** **PrivateRoute** **extends** **React**.**Component**<**Props**> {

render() {

**let** { path,component: Comp,user }=**this**.props;

console.log('user',user)

**if**(user){

**return** <Route path={path} render={(props) => user? <Comp {...props} />:<Redirect to="/login" />} />;

}**else**{

**return** <Redirect to="/login"/>;

}

}

}**export** **default** connect(

(state:Store) => state.session

)(PrivateRoute)

### **15.2 src/index.tsx**

**import** PrivateRoute **from** './containers/PrivateRoute';<PrivateRoute path="/profile" component={Profile} />