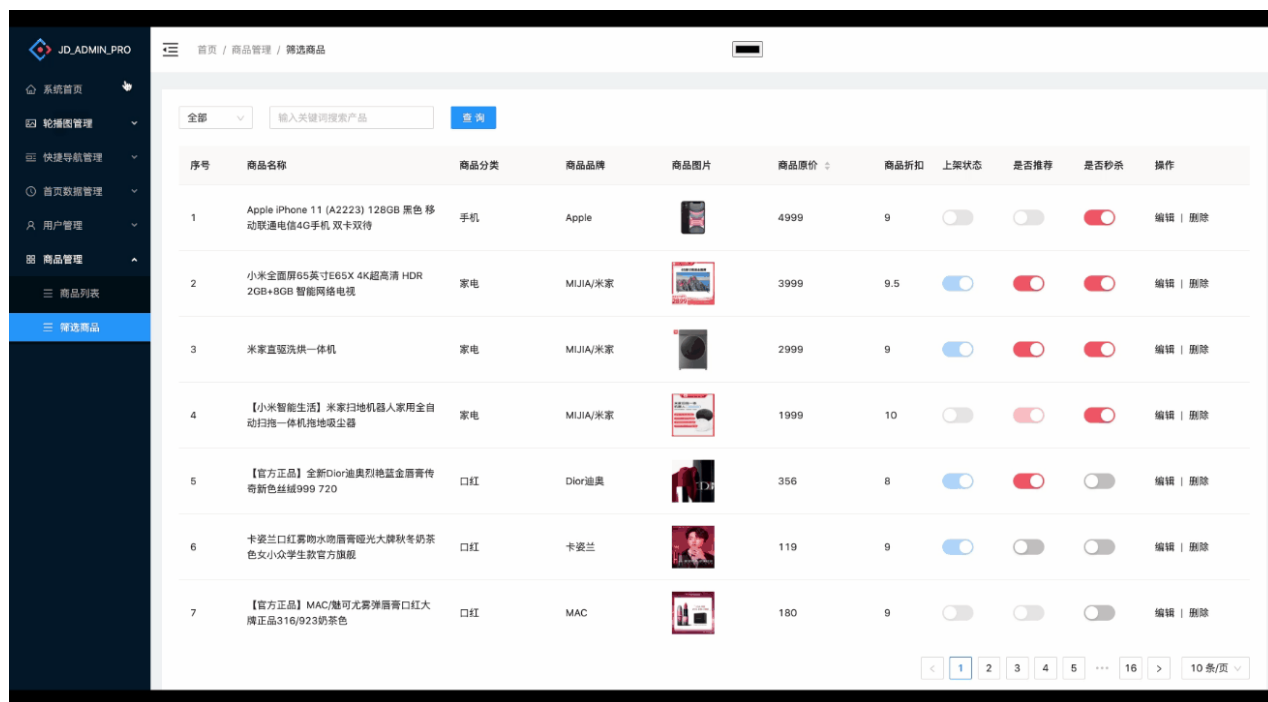# 如何使用 react + antd 实现后台管理系统的二级菜单

1.效果介绍

话不多说，咱们先来上一张图看看效果

2.准备工作

1.创建项目

```
npx create-react-app my-react-admin
```

2.安装需要的依赖

```
npm i antd -S
```

3.创建项目基本结构

```
my-react-admin
  public
  src
    api
      banner.js
      nav.js
      pro.js
      user.js
```

```
      components // 公共组件
      layout // 布局结构
        main // 主界面结构
          Breadcrumb.jsx
          Index.jsx
          MainHeader.jsx
          SideMenu.jsx
      router // 路由相关
        menus.js
        RedirectRouterView.jsx
        RouterView.jsx
      store // 状态管理器
        actionCreators
        modules
          common.js
        actionTypes.js
        index.js
      utils // 工具
        request.js
      views // 页面
      App.jsx // 主界面
      index.css // 样式
      index.js // 入口文件
    config-overrides.js // 配置装饰器语法
    package.json // 描述文件
```

4.设计主界面

```
import React from 'react'
import { BrowserRouter as Router, Route, Switch } from 'react-router-dom'
import Main from './layout/main/Index'
const App = () => {
  return (
    <Router >
      <Switch>
        <Route path="/" component = { Main } />
      </Switch>
    </Router>
  )
}


export default App
```

5.设计主布局页面

结合UI库的Layout组件 layout/main/Index.jsx

```jsx
import React from 'react'
import { Layout } from 'antd';
import { connect } from 'react-redux'
import logo from './../../logo.svg'
import SideMenu from './SideMenu'
import RouterView from './../../router/RouterView'
import MainHeader from './MainHeader';
const { Sider, Content } = Layout;

@connect(state => {
  return {
    collapsed: state.getIn(['common', 'collapsed'])
  }
})
class Index extends React.Component {

  render() {
    const { collapsed } = this.props
    console.log('11', collapsed)
    return (
      <Layout>
        <Sider trigger={null} collapsible collapsed={collapsed}>
          <div className="logo">
            <img src={ logo } style={{width: '32px', height: '32px', margin: '0 10px 0 0'}} alt=""/>
            { collapsed ? null : <span>JD_ADMIN_PRO</span>  }
          </div>
          <SideMenu/>
        </Sider>
        <Layout className="site-layout">
          {/* <Header className="site-layout-background" style={{ padding: 0 }}>
            {React.createElement(this.state.collapsed ? MenuUnfoldOutlined : MenuFoldOutlined, {
              className: 'trigger',
              onClick: this.toggle,
            })}
          </Header> */}
          <MainHeader />
          <Content
            className="site-layout-background"
            style={{
              margin: '24px 16px',
              padding: 24,
```

```
            minHeight: 280,
            position: 'relative'
          }}
        >
          <RouterView />
        </Content>
      </Layout>
    </Layout>
  );
  }
}

export default Index
```

6.设计路由

router/menus.js

```
import React, { lazy } from 'react'
import {
  HomeOutlined,
  PictureOutlined,
  MenuOutlined,
  PicLeftOutlined,
  SwapLeftOutlined,
  BorderTopOutlined,
  ClockCircleOutlined,
  UserOutlined,
  AppstoreOutlined
} from '@ant-design/icons'
const menus = [
  {
    path: '/',
    redirect: '/home',
    meta: { // 该路由不出现在左侧菜单栏
      hidden: true
    }
  },
  {
    path: '/home',
    title: '系统首页',
    icon: <HomeOutlined />,
    component: lazy(() => import('./../views/home/Index'))
  },
  {
    path: '/bannermanager',
    title: '轮播图管理',
    icon: <PictureOutlined />,
```

```jsx
      redirect: '/bannermanager/list',
      children: [
        {
          path: '/bannermanager/list',
          title: '轮播图列表',
          icon: <MenuOutlined />,
          component: lazy(() => import('./../views/banner/Index'))
        },
        {
          path: '/bannermanager/add',
          title: '添加轮播图',
          icon: <MenuOutlined />,
          component: lazy(() => import('./../views/banner/Add')),
          meta: {
            hidden: true
          }
        }
      ]
    },
    {
      path: '/navigatormanager',
      title: '快捷导航管理',
      icon: <PicLeftOutlined />,
      redirect: '/navigatormanager/list',
      children: [
        {
          path: '/navigatormanager/list',
          title: '导航列表',
          icon: <MenuOutlined />,
          component: lazy(() => import('./../views/navigator/List'))
        },
        {
          path: '/navigatormanager/category',
          title: '导航分类',
          icon: <SwapLeftOutlined />,
          component: lazy(() => import('./../views/navigator/Category'))
        },
        {
          path: '/navigatormanager/hlist',
          title: '首页导航',
          icon: <BorderTopOutlined />,
          component: lazy(() => import('./../views/navigator/HomeList'))
        }
      ]
    },
    {
      path: '/hmanager',
      title: '首页数据管理',
      icon: <ClockCircleOutlined />,
```

```
      redirect: '/hmanager/seckilllist',
      children: [
        {
          path: '/hmanager/seckilllist',
          title: '首页秒杀列表',
          icon: <MenuOutlined />,
          component: lazy(() => import('../views/homedata/SeckillList'))
        },
        {
          path: '/hmanager/recommentlist',
          title: '首页推荐列表',
          icon: <MenuOutlined />,
          component: lazy(() => import('../views/homedata/RecommentList'))
        }
      ]
    },
    {
      path: '/usermanager',
      title: '用户管理',
      icon: <UserOutlined />,
      redirect: '/usermanager/list',
      children: [
        {
          path: '/usermanager/list',
          title: '用户列表',
          icon: <MenuOutlined />,
          component: lazy(() => import('./../views/user/List'))
        },
        {
          path: '/usermanager/register',
          title: '注册用户',
          icon: <MenuOutlined />,
          component: lazy(() => import('./../views/user/RegisterUser'))
        },
      ]
    },
    {
      path: '/productmanager',
      title: '商品管理',
      icon: <AppstoreOutlined />,
      redirect: '/productmanager/list',
      children: [
        {
          path: '/productmanager/list',
          title: '商品列表',
          icon: <MenuOutlined />,
          component: lazy(() => import('./../views/product/List'))
        },
        {
```

```
        path: '/productmanager/sortlist',
        title: '筛选商品',
        icon: <MenuOutlined />,
        component: lazy(() => import('../views/product/SortList'))
      },
    ]
  },
  {
    path: '/setting',
    title: '设置',
    icon: <MenuOutlined />,
    component: lazy(() => import('../views/setting/Index')),
    meta: { // 该路由不出现在左侧菜单栏
      hidden: true
    }
  }
]

export default  menus
```

7.设计路由渲染组件

router/RouterView.jsx

```
import React, { Suspense } from 'react'
import { Spin } from 'antd'
import { Switch, Route } from 'react-router-dom'
import RedirectRouterView from './RedirectRouterView'
import menus from './menus'
function RouterView() {
  const renderRoute = (menus) => {
    return menus.map(item => {
      if (item.children) {
        return renderRoute(item.children)
      } else {
        return item.path === '/' ? null : <Route
          path={ item.path }
          key={item.path}
          exact
          component = { item.component } />
      }
    })
  }
  return (
    <Suspense fallback={<div className="loading"><Spin size="large" /></div>} >
      <Switch>
        {/* <Redirect path="/" exact to="/home" /> */}
        {
```

```
            renderRoute(menus)
        }
        {/* <Route path="/" exact component = { lazy(() =>
import('../../views/home/Index'))} /> */}
        <RedirectRouterView />
        {/* <Redirect path="/bannermanager" to="/bannermanager/list" />
        <Redirect path="/navigatormanager" to="/navigatormanager/list" />
        <Redirect path="/seckillmanager" to="/seckillmanager/list" />
        <Redirect path="/usermanager" to="/usermanager/list" /> */}
      </Switch>
    </Suspense>
  )
}


export default RouterView
```

8.设计左侧菜单渲染组件

Layout/main/SideMenu.jsx

```
import React, { useState, useEffect } from 'react'
import { Menu } from 'antd';
import { withRouter, useHistory, useLocation } from 'react-router-dom'
import menus from '../../../router/menus'
const { SubMenu } = Menu
const rootSubmenuKeys = []
menus.forEach(item => {
  item.children && rootSubmenuKeys.push(item.path)
})
const SideMenu = withRouter((props) => {
  const [openKeys, setOpenKeys ] = useState([])
  const [selectedKeys, setSelectedKeys ] = useState([])
  const history = useHistory()
  const renderMenu = (menus) => {
    return (
      <>
        {
          menus.map( item => {
            if (item.children) { // 有多级菜单
              return (
                <SubMenu key={item.path} icon={item.icon} title={item.title}>
                  {
                    renderMenu(item.children)
                  }
                </SubMenu>
              )
            } else { // 只有一级菜单
```

```jsx
            // 此处判断要不要在侧边栏出现该路由
            return  item.meta && item.meta.hidden ? null : <Menu.Item key=
{item.path} icon={ item.icon }>
            { item.title }
          </Menu.Item>
          }
        })
      }
    </>
  )
}
const goPage = ({ key }) => {
  history.push(key)
}

const onOpenChange = keys => { // keys [] ,包含上一个和点击之后的那一个
  console.log(keys) //  ["/bannermanager", "/navigatormanager"]
  const latestOpenKey = keys.find(key => openKeys.indexOf(key) === -1);
  console.log(latestOpenKey) // 当前的这一个 /navigatormanager
  if (rootSubmenuKeys.indexOf(latestOpenKey) === -1) {
    setOpenKeys(keys);
  } else {
    setOpenKeys(latestOpenKey ? [latestOpenKey] : []);
  }
}
// 为了 显示当前左侧菜单选中的 状态  ----  string[ key ] key 就是path
// defaultSelectedKeys
// defaultOpenKeys
const { pathname } = useLocation() // '/usermanager/list'
const type = '/' + pathname.split('/')[1]

useEffect(() => {
  setOpenKeys([type])
  setSelectedKeys([pathname])
}, [pathname])
return (
  <Menu
    theme="dark"
    mode="inline"
    defaultSelectedKeys={[pathname]} // {['/usermanager/list']} 数组
    defaultOpenKeys={[type]}  // {['/usermanager']} 数组
    openKeys = { openKeys }
    selectedKeys = { selectedKeys }
    onClick={ goPage }
    onOpenChange = { onOpenChange }
  >
    {
      // 方便做多级菜单 --- 递归的设计思想
      renderMenu(menus)
```

```
      }
    </Menu>
  )
})


export default SideMenu
```

9.创建对应的各个页面

views/home/Index.jsx

views/banner/Index.jsx

views/banner/Add.jsx

views/homedata/SeckillList.jsx

views/homedata/RecommendList.jsx

views/navigator/Category.jsx

views/navigator/HomeList.jsx

views/navigator/List.jsx

views/product/List.jsx

views/product/SortList.jsx

views/user/List.jsx

views/user/RegisterUser.jsx

views/setting/Index.jsx

3.完结

如果还想要查看后续的代码，可以参考百度网盘地址：

链接: https://pan.baidu.com/s/1d0f3Z_y28DPZO2UvDqGJeg 密码: 8loq