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react全家桶学习笔记8: [状态机初始化配置](file:///G:\C以及其他教程\Web开发2023\web开发2023视频教程\凡云1\react零基础学习资料+学习笔记\react全家桶笔记\react全家桶学习笔记8-状态机初始配置.docx)

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react全家桶学习笔记10：[渲染一二级分类数据以及优化](file:///G:\C以及其他教程\Web开发2023\web开发2023视频教程\凡云1\react零基础学习资料+学习笔记\react全家桶笔记\react全家桶学习笔记10-redux渲染一二级分类以及优化处理.docx)，

react全家桶学习笔记11：[redux获取用户数据](react全家桶学习笔记11-获取用户数据.docx)

react全家桶学习笔记12：自定义[Hook](react全家桶学习笔记12-自定义Hook-封装面包屑.docx)和封装面包屑

# react全家桶学习笔记13：登录功能实现

# 我们之前做的功能都没有考虑用户是否登录，其实实际开发中，需要根据用户是否登录来展示功能，用户没有登录，是不能够使用我们的功能，我们需要把用户引导到登录页面，还有登录了一段时间后，我们token会过期，此时需要引导用户重新登录。

# 我们来完成登录页面的制作

## 登录成功返回的数据格式

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## 1）到ant design网站里面找一个form组件和一个卡片组件，然后复制到我们的LoginPage.jsx组件文件中，先复制卡片，注意只需要一个卡片

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## 2）然后把form表单复制过来，放到卡片的内容区域中，把checkbox删除，把表单项的rules先删除然后慢慢修改为我们需要的界面

|  |
| --- |
| // eslint-disable-next-line no-unused-vars import *React* from 'react'; // eslint-disable-next-line no-unused-vars import {*Button*,*Card*,*Space*} from "antd"; import { *Form*, *Input* } from 'antd';  import {*Link*,useNavigate} from 'react-router-dom'  const onFinish = (values) => {  *console*.log('Success:', values); };   const *LoginPage* = () => {  let navigate = useNavigate();  let login = ()=>{  navigate('/home',{replace:true})  }  return (  <div>  <Card  title="用户登录"  extra={<Link to="/register">**去注册**</Link>}  style={{  width: 500,margin:'100px auto'  }}  >  <Form  name="basic"  labelCol={{  span: 4,  }}  wrapperCol={{  span: 18,  }}  style={{  maxWidth: 600,  }}   onFinish={onFinish}  >  <Form.Item  label="账号"  name="username"  >  <Input />  </Form.Item>   <Form.Item  label="密码"  name="password"  >  <Input.Password />  </Form.Item>   <Form.Item  name="remember"  valuePropName="checked"  wrapperCol={{  offset: 8,  span: 16,  }}  >  </Form.Item>   <Form.Item  wrapperCol={{  offset: 8,  span: 16,  }}  >  <Button type="primary" htmlType="submit">  **登录** </Button>  </Form.Item>  </Form>  </Card>   </div>  ); };  export default *LoginPage*; |
|  |

## 3）然后在api文件夹里面添加main.js,在里面添加登录接口，由于我没有后端登录接口，所以需要自己获取所有用户，返回一个列表，然后再在这个列表在查找传递进来的用户名和密码找到了就登录成功，找不到就提示用户名或者密码错误，所以我的loginApi比较复杂。登录成功需要返回一个token，我这里没有token，只能手动添加到data.json文件中

|  |
| --- |
| {  "users": [  {  "id": "user000001",  "account": "xiaozheng",  "password": "123",  "token":"eyJhGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhY2Nvdw50I...A2M30.kY0\_1XSj05B5w0j4hknTVH0gIQOLdWeZe7D81hHHfIE",  "email": "xiaozheng123@hotmail.com",  "role": {  "id": "role00002",  "name": "vip用户"  }  },  {  "id": "user000002",  "account": "laoli",  "password": "123",  "token":"eyJhGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhY2Nvdw50I...A2M30.kY0\_1XSj05B5w0j4hknTVH0gIQOLdWeZe7D81hHHfIA",  "email": "laoli123@hotmail.com",  "role": {  "id": "role00005",  "name": "超级管理员"  }  },  {  "id": "user000003",  "account": "xiaoxiaoliu",  "password": "1234",  "token":"eyJhGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhY2Nvdw50I...A2M30.kY0\_1XSj05B5w0j4hknTVH0gIQOLdWeZe7D81hHHfIB",  "email": "xiaoguoliu@hotmail.com",  "role": {  "id": "role00004",  "name": "普通管理员"  }  },  {  "id": "user000004",  "account": "xiaxiaoguo",  "password": "123",  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"type": "二级分类"  }  },  {  "id": "goods0000003",  "delState": 0,  "msg": "IPhone 13s 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPhone 13s ",  "price": 2100.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00003",  "name": "他最爱",  "type": "三级分类"  }  },  {  "id": "goods0000004",  "delState": 0,  "msg": "IPhone 13c 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPhone 13c ",  "price": 1999.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00004",  "name": "真漂亮",  "type": "二级分类"  }  },  {  "id": "goods0000005",  "delState": 0,  "msg": "IPhone 14 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPhone 14 ",  "price": 2200.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00005",  "name": "爱不释手",  "type": "一级分类"  }  },  {  "id": "goods0000006",  "delState": 0,  "msg": "IPhone 14c 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPhone 14c ",  "price": 1000.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00005",  "name": "爱不释手",  "type": "一级分类"  }  },  {  "id": "goods0000007",  "delState": 0,  "msg": "IPhone 15 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPhone 15 ",  "price": 1500.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00004",  "name": "真漂亮",  "type": "二级分类"  }  },  {  "id": "goods0000008",  "delState": 0,  "msg": "IPhone 15c 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPhone 15c ",  "price": 2400.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00004",  "name": "真漂亮",  "type": "二级分类"  }  },  {  "id": "goods0000009",  "delState": 0,  "msg": "IPad 8 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPad 8 ",  "price": 380.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type":{  "id": "type00006",  "name": "主推品",  "type": "一级分类"  }  },  {  "id": "goods0000010",  "delState": 0,  "msg": "IPad 9 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPad 8",  "price": 390.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00004",  "name": "真漂亮",  "type": "二级分类"  }  },  {  "id": "goods0000011",  "delState": 0,  "msg": "IPad 10 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "IPad 8 ",  "price": 400.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00007",  "name": "好品质",  "type": "三级分类"  }  },  {  "id": "goods0000012",  "delState": 0,  "msg": "三星galaxy4手机 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "三星galaxy4手机 ",  "price": 1100.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type":{  "id": "type00003",  "name": "他最爱",  "type": "三级分类"  }  },  {  "id": "goods0000013",  "delState": 0,  "msg": "三星galaxy5手机 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "三星galaxy4手机",  "price": 9999.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00003",  "name": "他最爱",  "type": "三级分类"  }  },  {  "id": "goods0000014",  "delState": 0,  "msg": "华为mate40手机 后置双摄像头 6种颜色，宽75.7mm，高159mm，厚20mm",  "name": "华为mate40手机",  "price": 1999.0,  "state": 1,  "title": "搭载最新处理器。双面玻璃材质",  "type": {  "id": "type00003",  "name": "他最爱",  "type": "三级分类"  }  },  {  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## 4）登录成功后需要把token保存在localStorage中，然后需要跳转到首页，登录功能其实不难，难的是登录后的处理，如一些权限问题，我们在api文件夹里面新建一个main.js在这里写了一个模拟登录接口，api/main.js跟老师的不一样。

|  |
| --- |
| //用户登录接口 import {*getUserApi*} from "./users.js"; import {*getRolesApi*} from "./roles.js"; let result ={} //这个一个模拟登录接口，由于json-server不能做登录功能我们就在这里先获取所有用户然后根据表单的数据来找用户，找到了就是登录成功，否则失败 export let *loginApi* = async (values)=>{   let users = await *getUserApi*()  // console.log(users) 是一个promise对象  let user = users.find(item=>item.account == values.account && item.password==values.password)  if(user){  // console.log("登录成功")  // console.log("account",user.account)  // console.log("role",user.role)  let ret = await *getRolesApi*()  // console.log(ret)  let res = ret.find(item=>item.id == user.role.id)  // console.log(res.menus)  user.role.menus = res.menus   result = {"userInfo":{  "account":user.account,  "role": user.role  },token:user.token}  *console*.log("result:",result)  } else{  *console*.log("用户名或者密码错误")  result = null  }  return result } |

## 5）然后在src/pages/login/LoginPage.jsx文件中添加登录处理代码，调用api/main.js里面的登录接口并且跳转到首页

|  |
| --- |
| // eslint-disable-next-line no-unused-vars import *React* from 'react'; // eslint-disable-next-line no-unused-vars import {*Button*,*Card*,*Space*} from "antd"; import { *Form*, *Input* } from 'antd';  import {*Link*,useNavigate} from 'react-router-dom' import {*loginApi*} from "../../api/main.js";   const *LoginPage* = () => {  let navigate = useNavigate();  const onFinish = async (values) => {   // console.log('Success:', values);  let res = await *loginApi*(values)  *console*.log("登录结果：",res)  if(res){  //登录成功后需要把token和userInfo保存到localStorage中  // console.log(res.token)  *localStorage*.token = res.token  // console.log(res.userInfo)  *localStorage*.userInfo = *JSON*.stringify(res.userInfo)  //登录成功后需要跳转到首页  navigate('/home',{replace:true})  }  };   return (  <div>  <Card  title="用户登录"  extra={<Link to="/register">**去注册**</Link>}  style={{  width: 500,margin:'100px auto'  }}  >  <Form  name="basic"  labelCol={{  span: 4,  }}  wrapperCol={{  span: 18,  }}  style={{  maxWidth: 600,  }}   onFinish={onFinish}  >  <Form.Item  label="账号"  name="account"  >  <Input />  </Form.Item>   <Form.Item  label="密码"  name="password"  >  <Input.Password />  </Form.Item>   <Form.Item  name="remember"  valuePropName="checked"  wrapperCol={{  offset: 8,  span: 16,  }}  >  </Form.Item>   <Form.Item  wrapperCol={{  offset: 8,  span: 16,  }}  >  <Button type="primary" htmlType="submit">  **登录** </Button>  </Form.Item>  </Form>  </Card>   </div>  ); };  export default *LoginPage*; |