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菜单数据列表 #

```

&#x4E2A;&#x4EBA;&#x4E2D;&#x5FC3;    Profile.vue
&#x5546;&#x5E97;    Shop.vue
&#x8D2D;&#x7269;&#x8F66;    Cart.vue
    &#x2514;&#x2500;&#x2500;    &#x8D2D;&#x7269;&#x8F66;&#x5217;&#x8868;    CartList.vue
    &#x251C;&#x2500;&#x2500;    &#x5546;&#x54C1;    Product.vue
    &#x2514;&#x2500;&#x2500;    &#x5F69;&#x7968;    Lottery.vue

```

admin权限,后台返回的数据 #

```

[
  {pid:-1,path:'/cart',name:'&#x8D2D;&#x7269;&#x8F66;',id:1,auth:'cart'},
  {pid:1,path:'/cart/cart-list',name:'&#x8D2D;&#x7269;&#x8F66;&#x5217;&#x8868;',id:4,auth:'cart-list'},
  {pid:4,path:'/cart/cart-list/lottery',auth:'lottery',id:5,name:'&#x5F69;&#x7968;'},
  {pid:4,path:'/cart/cart-list/product',auth:'product',id:6,name:'&#x5546;&#x54C1;'},
  {pid:-1,path:'/shop',name:'&#x5546;&#x5E97;',id:2,auth:'shop'},
  {pid:-1,path:'/profile',name:'&#x4E2A;&#x4EBA;&#x4E2D;&#x5FC3;',id:3,auth:'store'},
];

```

服务端返回权限 #

```

let express = require('express');
let app = express();
app.all('*', function (req, res, next) {
  res.header('Access-Control-Allow-Origin', '*');
  //Access-Control-Allow-Headers
  ,&#x53EF;&#x6839;&#x636E;&#x6D4F;&#x89C8;&#x5668;&#x7684;F12&#x67E5;&#x770B;,&#x628A;&#x5BF9;&#x5E94;&#x7684;&#x7C98;&#x8D34;&#x5728;&#x8FD9;&#x91CC;&#x5C31;&#x
884C;
  res.header('Access-Control-Allow-Headers', 'Content-Type');
  res.header('Access-Control-Allow-Methods', '*');
  res.header('Content-Type', 'application/json;charset=utf-8');
  next();
});
app.get('/roleAuth', (req,res)=>{
  res.json({
    menuList:[
      {pid:-1,path:'/cart',name:'&#x8D2D;&#x7269;&#x8F66;',id:1,auth:'cart'},
      {pid:1,path:'/cart/cart-list',name:'&#x8D2D;&#x7269;&#x8F66;&#x5217;&#x8868;',id:4,auth:'cart-list'},
      {pid:4,path:'/cart/cart-list/lottery',auth:'lottery',id:5,name:'&#x5F69;&#x7968;'},
      {pid:4,path:'/cart/cart-list/product',auth:'product',id:6,name:'&#x5546;&#x54C1;'},
      {pid:-1,path:'/shop',name:'&#x5546;&#x5E97;',id:2,auth:'shop'},
      {pid:-1,path:'/profile',name:'&#x4E2A;&#x4EBA;&#x4E2D;&#x5FC3;',id:3,auth:'profile'},
    ]
  })
})
app.listen(3000);

```

递归菜单 #

```
let getMenuList = (list) => {
  let auths = [];
  function getList(pid){
    return list.filter(l=>{
      if(l.pid === pid){
        auths.push(l.auth); // 63D0;53D6;7528;6237;6743;9650;
        let children = getList(l.id);
        l.children = children.length>0?children:null;
        return l;
      }
    });
  }
  let menuList = getList(-1); // 901A;8FC7;6839;5FAA;73AF;5217;8868;
  return {menuList,auths};
}

// 83B7;53D6;83DC;5355;5217;8868;

export default new Vuex.Store({
  state: {
    menuList: [], // 83DC;5355;5217;8868;
    authList: [], // 6743;9650;5217;8868;
    hasAuthMenu: false //
    9ED8;8BA4;6CA1;6709;6743;9650;83DC;5355;PF0C;5982;679C;83B7;53D6;83DC;5355;540E;6539;4E3A;true
  },
  mutations: {
    setMenuList(state,menuList){
      state.menuList = menuList;
    },
    authList(state,auths){
      state.authList = auths;
    },
    hasAuthMenu(state){
      state.hasAuthMenu = true;
    }
  },
  actions: {
    async getMenuList({commit}){
      let {data} = await axios.get('http://localhost:3000/roleAuth');
      let {menuList,auths} = getMenuList(data.menuList);
      commit('setMenuList',menuList);
      commit('authList',auths);
      commit('hasAuthMenu');
      return auths;
    }
  }
});
```

静态菜单 #

```
<el-menu default-active="2" class="el-menu-vertical-demo">
  <el-submenu index="1">
    <template slot="title">5BFC;822A;4E00;</template>
    <el-submenu index="1-1">
      <template slot="title">9009;9879;1-1</template>
      <el-menu-item index="1-1-1">9009;9879;1-1-1</el-menu-item>
      <el-menu-item index="1-1-2">9009;9879;1-1-2</el-menu-item>
    </el-submenu>
    <el-menu-item index="1-2">9009;9879;1-2</el-menu-item>
  </el-submenu>
  <el-menu-item index="2">
    5BFC;822A;4E8C;
  </el-menu-item>
  <el-menu-item index="3">
    5BFC;822A;4E09;
  </el-menu-item>
  <el-menu-item index="4">
    5BFC;822A;56DB;
  </el-menu-item>
</el-menu>
```

递归组件 #

Home.vue

```
<template>
  <div class="home">
    <el-menu default-active="2" class="el-menu-vertical-demo" :router="true">
      <template v-for="m in menuList">
        <el-menu-item :index="m.path" :key="m.auth" v-if="!m.children">
          {{m.name}}
        </el-menu-item>
        <resub :m="m" :key="m.auth" v-else></resub>
      </template>
    </el-menu>
  </div>
</template>
```

ReSub.vue

```

<template>
  <el-submenu :index="m.auth">
    <template slot="title">
      <router-link :to="m.path">{{m.name}}</router-link>
    </template>
    <template v-for="l in m.children">
      <el-menu-item v-if="!l.children" :index="l.path" :key="l.auth">{{l.name}}</el-menu-item>
      <resub v-else :key="l.auth" :m="l"></resub>
    </template>
  </el-submenu>
</template>
<script>
export default {
  router: 'RouterModule',
  pages: ['*']
}
</script>

```

## 拆分路由 #

```

// 0x6743;0x9650;0x8DEF;0x7531;
export let authRoutes = [
  {
    path: '/cart',
    name: 'cart',
    component: () => import('@/views/menu/Cart'),
    children: [
      {
        path: 'cart-list',
        name: 'cart-list',
        component: () => import('@/views/menu/CartList'),
        children: [
          {
            path: 'lottery',
            name: 'lottery',
            component: () => import('@/views/menu/Lottery'),
          },
          {
            path: 'product',
            name: 'product',
            component: () => import('@/views/menu/Product'),
          }
        ]
      }
    ]
  },
  {
    path: '/profile',
    name: 'profile',
    component: () => import('@/views/menu/Profile'),
  },
  {
    path: '/shop',
    name: 'shop',
    component: () => import('@/views/menu/Shop'),
  }
]

// 0x9ED8;0x8BA4;0x8DEF;0x7531;
let defaultRoutes = [
  {
    path: '/',
    name: 'home',
    component: Home
  },
  {
    path: '*',
    component: NotFound
  }
]

```

## 通过权限筛出路由 #

```
router.beforeEach(async (to, from, next) => {
  if (!store.state.hasAuthMenu) {
    // 1) 83B7;53D6;83DC;5355;5217;8868;
    let auths = await store.dispatch('getMenuList');
    // 2) 83B7;53D6;83B5B;89009;540E;87684;8DEF;87531;
    let newRoutes = await store.dispatch('authRoutes', auths);
    // 3) 83B7;53D6;87684;89650;8DFB;852A0;8DEF;87531;
    router.addRoutes(newRoutes);
    next({...to, replace: true});
  } else {
    next();
  }
});

// 83B7;53D6;8DEF;87531;86570;8636E;
let getRoutes = (auths) => {
  function r(authRoutes) {
    return authRoutes.filter(route => {
      // 86709;86743;89650;
      if (auths.includes(route.name)) {
        if (route.children) { // 86709;85B69;85B50; 89012;85F52;85B69;85B50;
          route.children = r(route.children);
        }
        return route;
      }
    })
  }
  return r(authRoutes);
}

// vue84E2D;83B7;53D6;86652;851FA;87684;8DEF;87531;
async authRoutes({commit}, auths) {
  // 85168;890E8;8DEF;87531; + 86743;89650; => 86652;851FA;89700;88981;87684;8DEF;87531;
  return getRoutes(auths)
},
```