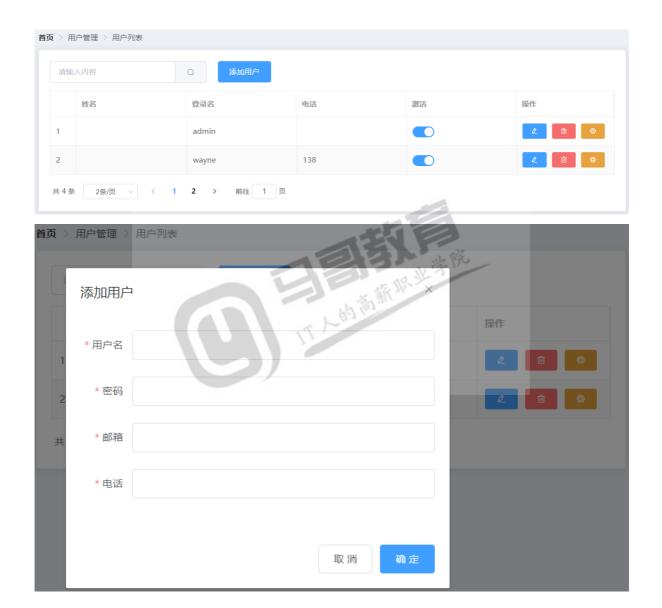
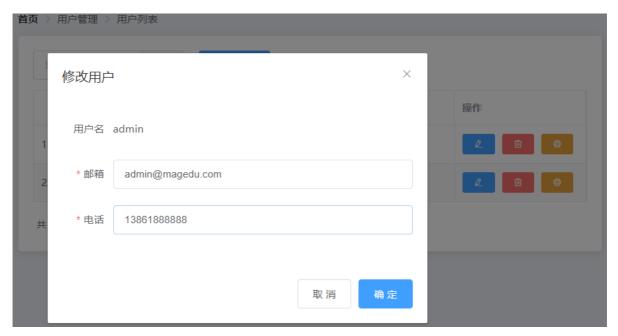
用户功能实现

功能有:

- 用户列表、分页
- 添加用户、用户修改、用户删除
- 激活、禁用用户
- 用户搜索
- 角色配置





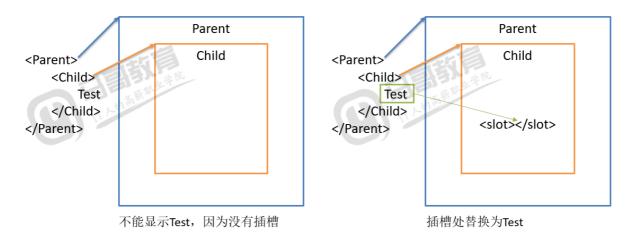


Vue插槽

参考 https://cn.vuejs.org/v2/guide/components-slots.html

插槽

插槽,指的是在子组件中挖个空(slot插槽),在父组件中使用子组件标签内的内容,来填充子组件的空。



注意:以上是原理图,不能和Vue的实际代码完全对应

插槽测试

新建T1.vue和T2.vue, T1是父组件, T2是子组件。

```
1 <template>
2
     <div>
 3
      父组件T1内容
5
      <T2>父组件中在子组件插入的内容C</T2>
6
    </div>
7
   </template>
8
9 <script>
10 import T2 from './T2.vue'
11 export default {
    components: {
12
13
       Т2
14
    }
15
   }
   </script>
16
17
18 <style>
19 </style>
```

```
1 <template>
2 <div>子组件T2内容</div>
3 </template>

4 </script>
6 export default {}
7 </script>
8
9 <style>
10 </style>
```

父组件T1内容

子组件T2内容

发现内容c并没有显示出来。这就需要在子组件中使用插槽来接收。

修改T2增加插槽,代码如下

```
<template>
2
      <div>
3
        子组件T2内容
       <div style="border: 1px solid #000"><slot></slot></div>
4
5
      </div>
6
   </template>
8 <script>
9
   export default {}
10 </script>
11
12 <style>
13
   </style>
```

父组件T1内容

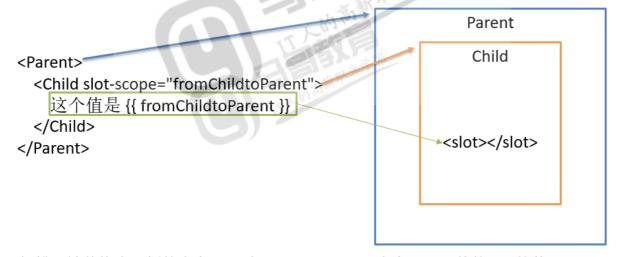
子组件T2内容

父组件中在子组件插入的内容c

插槽:父组件通过子组件标签为子组件传递内容,但是子组件内部要使用插槽接收。

作用域插槽

插槽可以看做数据从父组件流向子组件,但有时父组件需要使用子组件中的数据,怎么办? 作用域插座Scoped Slot,在父组件中能访问到子组件的数据。



插槽处被替换为绿框的内容,不过fromChildtoParent来自于子组件的data的数据

作用域插槽: 父组件中为子组件传递的数据不在父组件中,数据在子组件中,只能通过作用域插槽从子组件向父组件传过来这些数据,最后这些数据可以在父组件中使用,但是显示在子组件的插槽中。

新语法

slot-scope="fromChildtoParent" 即将过期,非命名插槽,可以使用新语法#default="fromChildtoParent"

作用域插槽测试

修改子组件T2如下

```
<template>
1
2
      <div>
3
       子组件T2内容
4
       <div style="border: 1px solid #000">
 5
         通过插槽bind数据,这样父组件就可以使用这个数据了,user是属性名<br /><br />
         <slot :user="u"></slot>
6
7
       </div>
8
      </div>
9
    </template>
10
11
    <script>
12
    export default {
13
     data() {
14
       return {
15
        u: { name: 'tom', age: 20 }
16
17
     }
18
    }
19
    </script>
20
21
    <style>
22 </style>
```

修改父组件T1如下,如何使用子组件中的user?

```
丁人的海ボル业学院
    <template>
2
      <div>
 3
       父组件T1内容
4
       <hr />
 5
       <T2>
6
         <template v-slot:default="xyz"> 从子组件中传来的数据是: {{ xyz.user.name
    }} </template>
7
       </T2>
     </div>
8
9
   </template>
10
11
   <script>
12
   import T2 from './T2.vue'
13
    export default {
14
     components: {
15
       Т2
16
     }
17
    }
18
    </script>
19
20
   <style>
21
    </style>
```

可以继续简化为

```
1 <T2 #default="xyz"> 从子组件中传来的数据是: {{ xyz.user.age }} </T2>
```

```
1 <T2 #default="{ user }"> 从子组件中传来的数据是: {{ user.name }}, {{ user.age }} </T2>
```

激活功能

使用switch开关组件表示是否激活状态。

src/plugins/element.js

```
import Vue from 'vue'
import {
  Form, FormItem, Input, Button, Message, Container,
  Header, Aside, Main, Menu, MenuItem, Submenu, Breadcrumb,
  BreadcrumbItem, Card, Row, Col, Table, TableColumn,
  Dialog, Pagination, Switch
  from 'element-ui'

Vue.use(Switch)
```

采用下面的方式,不能把数据注入给switch组件

```
1 <el-table-column prop="is_active" label="激活">
2 <el-switch v-model="is_active"> </el-switch>
3 </el-table-column>
```

参考 https://element.eleme.cn/#/zh-CN/component/table#zi-ding-yi-lie-mo-ban

通过作用域插槽 scoped slot 可以获取到 row, column, \$index 和 store (table 内部的状态管理) 的数据

从这个例子可以看出,scope是来自表格子组件的数据,我们在父组件中想用这个值,template的内容最终插入到表格的列中的插槽中。scope.row 就是取当前行数据对象。

```
1
          <el-table :data="userList" border style="width: 100%">
            <el-table-column type="index" label="序号"> </el-table-column>
 2
            <el-table-column prop="username" label="登录名"> </el-table-column>
 3
            <el-table-column label="激活">
 4
 5
              <template #default="scope">
                <el-switch v-model="scope.row.is_active"></el-switch>
 6
 7
              </template>
 8
            </el-table-column>
 9
            <el-table-column prop="is_superuser" label="管理员"> </el-table-
    column>
            <el-table-column prop="phone" label="电话"> </el-table-column>
10
11
            <el-table-column label="操作">
              <el-button type="success" icon="el-icon-edit" size="mini"></el-</pre>
12
    button>
13
              <el-button type="danger" icon="el-icon-delete" size="mini"></el-</pre>
    button>
            </el-table-column>
14
```

上面代码顺便增加了2个按钮**编辑**和**删除。** <el-table-column type="index" label="序号"> </el-table-column> 为表格增加序号。

Switch组件会发生change事件,改变值,就需要去改变数据库中某个用户的is_active的值 src/components/user/Users.vue完整代码如下

```
<template>
1
 2
      <div>
        <el-breadcrumb separator-class="el-icon-arrow-right">
 3
          <el-breadcrumb-item :to="{ path: '/home' }">首页</el-breadcrumb-item>
 4
          <el-breadcrumb-item>用户管理</el-breadcrumb-item>
 5
 6
          <el-breadcrumb-item>用户列表</el-breadcrumb-item>
        </el-breadcrumb>
 8
        <el-card class="box-card">
9
          <el-row :gutter="20">
            <el-col :span="12">
10
11
              <div class="grid-content bg-purple-dark">
                <el-input placeholder="请输入内容" v-model="input3">
12
13
                  <el-button slot="append" icon="el-icon-search"></el-button>
                </el-input>
14
15
              </div>
16
            </el-col>
            <el-col :span="12">
17
              <el-button type="primary" @click="addUserDialogVisible = true">增
18
    加用户</el-button>
            </el-col>
19
20
          </el-row>
          <el-table :data="userList" border style="width: 100%">
21
22
            <el-table-column type="index" label="序号"> </el-table-column>
            <el-table-column prop="username" label="用户名"> </el-table-column>
23
            <el-table-column prop="is_active" label="激活">
24
25
              <template #default="{ row }">
26
                <el-switch v-model="row.is_active"
    @change="handleIsActiveChange(row)"> </el-switch>
27
              </template>
28
            </el-table-column>
29
            <el-table-column prop="is_superuser" label="管理员"> </el-table-
    column>
            <el-table-column prop="phone" label="电话"> </el-table-column>
30
31
            <el-table-column label="操作">
32
              <el-button type="success" icon="el-icon-edit" size="mini"></el-</pre>
    button>
              <el-button type="danger" icon="el-icon-delete" size="mini"></el-</pre>
33
    button>
34
            </el-table-column>
35
          </el-table>
          <el-pagination
36
37
            @current-change="handleCurrentChange"
38
            :current-page="pagination.page"
            :page-size="pagination.size"
39
40
            layout="total, prev, pager, next, jumper"
41
            :total="pagination.total"
42
```

```
43
          </el-pagination>
44
        </el-card>
45
        <!-- 添加用户对话框 -->
        <el-dialog title="增加":visible.sync="adduserDialogVisible"
46
    @close="resetForm('addUser')">
          <el-form :model="addUserForm" :rules="addUserRules" ref="addUser"</pre>
47
    label-width="100px">
            <el-form-item label="用户名" prop="username">
48
49
              <el-input v-model="addUserForm.username"></el-input>
50
            </el-form-item>
            <el-form-item label="密码" prop="password">
51
52
              <el-input type="password" v-model="addUserForm.password"></el-
    input>
53
            </el-form-item>
54
            <el-form-item label="确认密码" prop="checkPass">
55
              <el-input type="password" v-model="addUserForm.checkPass"></el-</pre>
    input>
56
            </el-form-item>
57
            <el-form-item label="电话" prop="phone">
58
              <el-input v-model="addUserForm.phone"></el-input>
            </el-form-item>
59
            <el-form-item label="姓" prop="last_name">
60
61
              <el-input v-model="addUserForm.last_name"></el-input>
62
            </el-form-item>
            <el-form-item label="名" prop="first_name">
63
              <el-input v-model="addUserForm.first_name"></el-input>
64
            </el-form-item>
65
            <el-form-item label="邮箱" prop="email">
66
              <el-input v-model="addUserForm.email"></el-input>
67
68
            </el-form-item>
69
          </el-form>
          <span slot="footer" class="dialog-footer">
70
            <el-button @click="addUserDialogVisible = false">取 消</el-button>
71
72
            <el-button type="primary" @click="addUser">确 定</el-button>
73
          </span>
74
        </el-dialog>
75
      </div>
76
    </template>
77
78
    <script>
79
    export default {
80
      created() {
81
        this.getUserList()
82
      },
83
      data() {
        const validatePass = (rule, value, callback) => {
84
85
          if (value !== this.addUserForm.password) {
86
            callback(new Error('两次输入密码不一致!'))
87
          } else {
            callback()
88
          }
89
90
91
        return {
          input3: '',
92
93
          adduserDialogVisible: false,
94
          addUserForm: {
95
            username: '',
96
            password: '',
```

```
97
              phone: '',
             first_name: '',
 98
 99
              last_name: '',
             email: ''
100
101
           },
102
           addUserRules: {
103
             username: [
104
               { required: true, message: '请输入登录用户名', trigger: 'blur' },
105
               { min: 4, max: 16, message: '长度在 4 到 16 个字符', trigger:
     'blur' }
106
             ],
107
             password: [
108
               { required: true, message: '请输入密码', trigger: 'blur' },
109
               { min: 4, max: 16, message: '长度在 4 到 16 个字符', trigger:
     'blur' }
110
             ],
             checkPass: [
111
112
               { required: true, message: '请输入密码', trigger: 'blur' },
               { validator: validatePass, trigger: 'blur' }
113
             ]
114
115
           },
116
           userList: [],
117
           pagination: { page: 1, size: 20, total: 0 }
118
         }
119
       },
120
       methods: {
121
         resetForm(name) {
           console.log('~~~
122
           this.$refs[name].resetFields()
123
124
         },
125
         addUser() {
           const name = 'addUser'
126
           this.$refs[name].validate(async (valid) => {
127
             if (valid) {
128
129
               const { data: response } = await this.$http.post('users/',
     this.addUserForm)
130
               if (response.code) {
131
                  return this.$message.error(response.message)
132
               }
133
               this.addUserDialogVisible = false
134
               this.resetForm(name)
135
               this.getUserList()
136
             }
           })
137
138
         },
139
         async getUserList(page = 1) {
140
           if (!page) {
141
             page = 1
           }
142
143
           const { data: response } = await this.$http.get(`users/?
     page=${page}`)
144
           if (response.code) {
             return this.$message.error(response.message)
145
           }
146
147
           console.log(response)
148
           this.userList = response.results
149
           this.pagination = response.pagination
150
         },
```

```
handleCurrentChange(val) {
151
152
           console.log(`当前页: ${val}`)
153
           this.getUserList(val)
154
         },
155
         async handleIsActiveChange(row) {
156
           // 激活按钮变化, 去后台部分更新字段
157
           await this.$http.patch(`users/${row.id}/`, { is_active: row.is_active
     })
158
         }
159
       }
160
     }
161
     </script>
162
    <style lang="less" scoped></style>
163
```

用户搜索功能

仔细思考一下,这个功能也是用的list方法,发送GET请求到/users/,只不过需要带上参数,也就是查询字符串。

阅读Axios文档,GET请求可以使用 axios.get(url[, config]),而config可以用下面的方式传参。 这种方式本质上还是查询字符串方式。

```
1 axios.get('users/', {
2    params: {
3        page: 4
4    }
5 })
```

所以,可以将getUserList(page),修改如下

```
1
        async getUserList(page = 1) {
 2
          if (!page) {
 3
            page = 1
 4
 5
          const { data: response } = await this.$http.get('users/', {
 6
            params: {
 7
               page,
 8
               username: this.search
 9
            }
10
          })
11
          if (response.code) {
12
             return this.$message.error(response.message)
13
          }
14
          this.userList = response.results
15
           this.pagination = response.pagination
        }
16
```

下面为了聚焦在改动的代码上, 省略一些没改过的代码

```
<el-col :span="12">
 6
              <el-input placeholder="请输入内容" v-model="keywords">
                <el-button slot="append" icon="el-icon-search"
    @click="getUserList(1)"></el-button>
 8
              </el-input>
 9
            </el-col>
10
            <el-col :span="12">
              <el-button type="primary" @click="addUserDialogVisible = true">增加
11
    用户</el-button>
12
            </el-col>
13
          </e1-row>
14
        </el-card>
15
      </div>
    </template>
16
17
18
    <script>
19
    export default {
20
      created() {
21
        this.getUserList()
22
      },
23
      data() {
24
        return {
25
          keywords: '',
          // 用户列表表格
26
27
          userList: [],
28
          pagination: { page: 1, size: 20, total: 0 }
                                       人的海斯思业学院
29
        }
30
      },
31
      methods: {
        async getUserList(page = 1) {
32
33
          if (!page) {
34
            page = 1
35
36
          const { data: response } = await this.$http.get('users/', {
37
            params: {
38
              page,
39
              username: this.keywords
40
            }
41
          })
42
          if (response.code) {
            return this. $message.error(response.message)
43
44
45
          this.userList = response.results
46
          this.pagination = response.pagination
47
        }
48
      }
49
50 | </script>
```

发起请求时,username是发到后台了,但是没有用,如何解决,这个就必须要覆盖GenericAPIView的get_queryset()了。

```
from rest_framework.viewsets import ModelViewSet
from django.contrib.auth import get_user_model
from .serializers import UserSerializer

class UserViewSet(ModelViewSet):
```

```
6
        queryset = get_user_model().objects.all()
 7
        serializer_class = UserSerializer
 8
        # permission_classes = [IsAdminUser] # 必须是管理员才能管理用户
9
        def get_queryset(self):
10
11
            queryset = super().get_queryset() # 调用父类的处理
12
            username = self.request.query_params.get('username', None)
13
            if username:
                queryset = queryset.filter(username__icontains=username)
14
15
            return queryset
```

由于这个用到了列表页的list方法,查看ListModelMixin源码中,list方法返回列表前调用了filter_queryset,就是用来过滤的,覆盖filter_queryset也行。

这是一个通过的功能,以后免不了要经常查询,但是,分页功能我们知道了,不是什么参数,服务器端都允许的,这需要配置。

通用查询

参考 https://www.django-rest-framework.org/api-guide/filtering/#djangofilterbackend

```
1 | pip install django-filter
```

```
1 REST_FRAMEWORK = {
2    'DEFAULT_FILTER_BACKENDS':
    ['django_filters.rest_framework.DjangoFilterBackend']
3 }
```

```
1 from rest_framework.permissions import IsAuthenticated, IsAdminUser
2
   from rest_framework.viewsets import ModelViewSet
3
   from django.contrib.auth import get_user_model
4
    from .models import UserProfile
5
    from .serializers import UserSerializer
    from django_filters.rest_framework import DjangoFilterBackend
6
7
    class UserViewSet(ModelViewSet):
8
9
        queryset = get_user_model().objects.all()
10
        serializer_class = UserSerializer
11
        # permission_classes = [IsAdminUser] # 必须是管理员才能管理用户
12
        filter_backends = [DjangoFilterBackend] # 指定filter
13
        filterset_fields = ['username']
```

请求为 http://localhost:8080/api/v1/users/?page=1&username=admin

搜索SQL语句条件为 FROM auth_user WHERE auth_user.username = 'admin'

这是等值条件,要求查询参数名必须为filterset_fields中指定的名称。

实现模糊搜索, 代码如下

```
1
   from rest_framework import filters
2
3
   class UserViewSet(ModelViewSet):
4
       queryset = get_user_model().objects.all()
5
       serializer class = UserSerializer
       # permission_classes = [IsAdminUser] # 必须是管理员才能管理用户
6
       filter_backends = [filters.SearchFilter] # 指定filter
7
8
       # filterset_fields = ['username']
       search_fields = ['username']
9
```

```
请求为 http://localhost:8080/api/v1/users/?page=1&search=ay , 注意是search=搜索SQL语句条件为 FROM auth_user WHERE auth_user.username LIKE '%ay%' search_fields = ['username'] 中如果写多个字段将是或查询。
```

修改用户

前台实现, 仿照增加用户, 部分代码如下

```
<template>
1
 2
      <div>
 3
        <el-breadcrumb separator-class="el-icon-arrow-right">
 4
          <el-breadcrumb-item :to="{ path: '/home' }">首页</el-breadcrumb-item>
          <el-breadcrumb-item>用户管理</el-breadcrumb-item>
 5
          <el-breadcrumb-item>用户列表</el-breadcrumb-item>
 6
 7
        </el-breadcrumb>
        <el-card class="box-card">
 8
          <el-table :data="userList" border style="width: 100%">
9
            <el-table-column type="index" label="序号"> </el-table-column>
10
            <el-table-column prop="username" label="用户名"> </el-table-column>
11
            <el-table-column prop="is_active" label="激活">
12
13
              <template #default="{ row }">
14
                <el-switch v-model="row.is_active"
    @change="handleIsActiveChange(row)"> </el-switch>
              </template>
15
16
            </el-table-column>
            <el-table-column prop="is_superuser" label="管理员"> </el-table-
17
    column>
18
            <el-table-column prop="phone" label="电话"> </el-table-column>
            <el-table-column label="操作">
19
20
              <template #default="{ row }">
                <el-button @click="handleEditUser(row)" type="success"</pre>
21
    icon="el-icon-edit" size="mini"></el-button>
22
                <el-button type="danger" icon="el-icon-delete" size="mini">
    </el-button>
23
              </template>
24
            </el-table-column>
25
          </el-table>
26
          <el-pagination
27
            @current-change="handleCurrentChange"
            :current-page="pagination.page"
28
29
            :page-size="pagination.size"
            layout="total, prev, pager, next, jumper"
30
31
            :total="pagination.total"
```

```
32
33
          </el-pagination>
34
        </el-card>
35
        <!-- 修改用户对话框 -->
        <el-dialog title="修改":visible.sync="editUserDialogVisible"
36
    @close="resetForm('editUser')">
37
          <el-form :model="editUserForm" :rules="editUserRules" ref="editUser"</pre>
    label-width="100px">
38
            <el-form-item label="用户名" prop="username">{{
    editUserForm.username }}</el-form-item>
            <el-form-item label="电话" prop="phone">
39
40
              <el-input v-model="editUserForm.phone"></el-input>
41
            </el-form-item>
            <el-form-item label="姓" prop="last_name">
42
43
              <el-input v-model="editUserForm.last_name"></el-input>
            </el-form-item>
44
45
            <el-form-item label="名" prop="first_name">
              <el-input v-model="editUserForm.first_name"></el-input>
46
            </el-form-item>
47
            <el-form-item label="邮箱" prop="email">
48
              <el-input v-model="editUserForm.email"></el-input>
49
            </el-form-item>
50
51
          </el-form>
          <span slot="footer" class="dialog-footer">
52
            <el-button @click="editUserDialogVisible = false">取 消</el-button>
53
                                  力人的高新思业学院
            <el-button type="primary" @click="editUser">确 定</el-button>
54
55
          </span>
56
        </el-dialog>
57
      </div>
58
    </template>
59
60
    <script>
    export default {
61
62
      data() {
63
        return {
          search: '',
64
65
          // 修改用户对话框
          editUserDialogVisible: false,
66
67
          editUserForm: {
68
            username: '',
            phone: '',
69
            first_name: '',
70
71
            last_name: '',
            email: ''
72
73
          },
74
          editUserRules: {}
75
76
      },
77
      methods: {
78
        resetForm(name) {
79
          console.log('~~~~~~')
80
          this.$refs[name].resetFields()
81
        },
        handleEditUser(row) {
82
83
          this.editUserForm = row
84
          this.editUserDialogVisible = true
85
        },
        editUser() {
86
```

```
const { id } = this.editUserForm
 87
 88
           const name = 'editUser'
 89
           this.$refs[name].validate(async (valid) => {
 90
             if (valid) {
 91
               const { data: response } = await this.$http.patch(`users/${id}/`,
     this.editUserForm)
 92
               if (response.code) {
 93
                  return this.$message.error(response.message)
 94
               }
 95
               this.editUserDialogVisible = false
               this.resetForm(name)
 96
 97
               this.getUserList(this.pagination.page) // 刷新用户列表
 98
             }
 99
           })
100
         }
101
       }
102
103
     </script>
104
105
     <style lang="less" scoped></style>
```

后台如何做到,修改用户时,有id,用的是详情页,但有人故意构造提交的数据中包含username,如果后端也更新了,就修改了用户名,按要求不允许修改用户名,怎么办?还是用PATCH,部分更新(本质上就是先查后部分更新),在后端要剔除掉request数据中的username,这需要覆盖partial_update(self, request, *args, **kwargs)。

```
1 from rest_framework.permissions import IsAuthenticated, IsAdminUser
    from rest_framework.viewsets import ModelViewSet
 2
 3
    from django.contrib.auth import get_user_model
    from .models import UserProfile
    from .serializers import UserSerializer
 6
    from django_filters.rest_framework import DjangoFilterBackend
 7
    from rest_framework import filters
8
    class UserViewSet(ModelViewSet):
9
        queryset = get_user_model().objects.all()
10
11
        serializer_class = UserSerializer
        # permission_classes = [IsAdminUser] # 必须是管理员才能管理用户
12
        filter_backends = [filters.SearchFilter] # 指定filter
13
14
        # filterset_fields = ['username']
        search_fields = ['username']
15
16
        # 详情页禁止修改username,如果提供用户名,它就要验证用户名唯一性,且尝试修改用户名
17
        def partial_update(self, request, *args, **kwargs):
18
            request.data.pop('username', None) # 剔除不要更新的字段
19
20
            request.data.pop('id', None)
21
            request.data.pop('password', None)
22
            return super().partial_update(request, *args, **kwargs)
```

确认消息框和提示

确认框参考 https://element.eleme.cn/#/zh-CN/component/message-box#que-ren-xiao-xi

提示文字参考 https://element.eleme.cn/#/zh-CN/component/tooltip

src/plugins/element.js

```
import Vue from 'vue'
 1
 2
    import {
 3
      Form, FormItem, Input, Button, Message, Container,
      Header, Aside, Main, Menu, MenuItem, Submenu, Breadcrumb,
 4
 5
      BreadcrumbItem, Card, Row, Col, Table, TableColumn,
      Dialog, Pagination, Switch, MessageBox, Tooltip
 6
    } from 'element-ui'
 7
8
    Vue.use(Tooltip)
9
10
   // 全局导入
11
12
    Vue.prototype.$message = Message
    Vue.prototype.$msqbox = MessageBox
13
```

```
<el-table :data="userList" border style="width: 100%">
 1
 2
            <el-table-column type="index" label="序号"> </el-table-column>
            <el-table-column prop="username" label="用户名"> </el-table-column>
 3
            <el-table-column prop="is_active" label="激活">
 4
 5
              <template #default="{ row }">
                <el-switch v-model="row.is_active"
 6
    @change="handleIsActiveChange(row)"> </el-switch>
 7
              </template>
 8
            </el-table-column>
 9
            <el-table-column prop="is_superuser" label="管理员"> </el-table-
    column>
10
            <el-table-column prop="phone" label="电话"> </el-table-column>
            <el-table-column label="操作">
11
12
              <template #default="{ row }">
                <el-tooltip v-if="row.id !== 1" content="修改" effect="light">
13
                  <el-button @click="handleEditUser(row)" type="success"
14
    icon="el-icon-edit" size="mini"></el-button>
15
                </el-tooltip>
                <el-tooltip v-if="row.id !== 1" content="删除" effect="light">
16
                  <el-button type="danger" icon="el-icon-delete" size="mini">
17
    </el-button>
18
                </el-tooltip>
              </template>
19
20
            </el-table-column>
21
          </el-table>
```

删除用户

前端对id为1的用户,使用v-if禁止修改、删除,使用disabled禁止激活。注意,前端的禁止行为只是一种样子,依然可以绕过它,后端禁止才是关键。

```
1 | <template>
```

```
2
      <div>
 3
        <el-breadcrumb separator-class="el-icon-arrow-right">
 4
          <el-breadcrumb-item :to="{ path: '/home' }">首页</el-breadcrumb-item>
 5
          <el-breadcrumb-item>用户管理</el-breadcrumb-item>
          <el-breadcrumb-item>用户列表</el-breadcrumb-item>
 6
 7
        </el-breadcrumb>
 8
        <el-card class="box-card">
 9
          <el-row :qutter="20">
            <el-col :span="12">
10
11
              <div class="grid-content bg-purple-dark">
                <el-input placeholder="请输入内容" v-model="search">
12
13
                  <el-button slot="append" icon="el-icon-search"</pre>
    @click="getUserList(1)"></el-button>
14
                </el-input>
15
              </div>
            </el-col>
16
17
            <el-col :span="12">
              <el-button type="primary" @click="addUserDialogVisible = true">增
18
    加用户</el-button>
19
            </el-col>
          </e1-row>
20
21
          <el-table :data="userList" border style="width: 100%">
22
            <el-table-column type="index" label="序号"> </el-table-column>
            <el-table-column prop="username" label="用户名"> </el-table-column>
23
24
            <el-table-column prop="is_active" label="激活">
25
              <template #default="{ row }">
                <el-switch v-if="row.id !== 1" v-model="row.is_active"</pre>
26
    @change="handleIsActiveChange(row)"> </el-switch>
              </template>
27
28
            </el-table-column>
            <el-table-column prop="is_superuser" label="管理员"> </el-table-
29
    column>
            <el-table-column prop="phone" label="电话"> </el-table-column>
30
31
            <el-table-column label="操作">
32
              <template #default="{ row }">
33
                <el-tooltip v-if="row.id !== 1" content="修改" effect="light">
34
                  <el-button @click="handleEditUser(row)" type="success"</pre>
    icon="el-icon-edit" size="mini"></el-button>
35
                </el-tooltip>
36
                <el-tooltip v-if="row.id !== 1" content="删除" effect="light">
                  <el-button @click="handleDelUser(row.id)" type="danger"
37
    icon="el-icon-delete" size="mini"></el-button>
38
                </el-tooltip>
39
              </template>
40
            </el-table-column>
          </el-table>
41
42
          <el-pagination
43
            @current-change="handleCurrentChange"
            :current-page="pagination.page"
44
45
            :page-size="pagination.size"
46
            layout="total, prev, pager, next, jumper"
            :total="pagination.total"
47
48
49
          </el-pagination>
50
        </el-card>
51
        <!-- 修改用户对话框 -->
        <el-dialog title="修改" :visible.sync="editUserDialogVisible"
52
    @close="resetForm('editUser')">
```

```
<el-form :model="editUserForm" :rules="editUserRules" ref="editUser"</pre>
 53
     label-width="100px">
 54
             <el-form-item label="用户名" prop="username">{{
     editUserForm.username }}</el-form-item>
             <el-form-item label="电话" prop="phone">
 55
 56
               <el-input v-model="editUserForm.phone"></el-input>
 57
             </el-form-item>
             <el-form-item label="姓" prop="last_name">
 58
               <el-input v-model="editUserForm.last_name"></el-input>
 59
 60
             </el-form-item>
             <el-form-item label="名" prop="first_name">
 61
 62
               <el-input v-model="editUserForm.first_name"></el-input>
 63
             </el-form-item>
             <el-form-item label="邮箱" prop="email">
 64
 65
               <el-input v-model="editUserForm.email"></el-input>
             </el-form-item>
 66
 67
           </el-form>
           <span slot="footer" class="dialog-footer">
 68
             <el-button @click="editUserDialogVisible = false">取 消</el-button>
 69
 70
             <el-button type="primary" @click="editUser">确 定</el-button>
 71
           </span>
 72
         </el-dialog>
 73
         <!-- 添加用户对话框 -->
         <el-dialog title="增加" :visible.sync="addUserDialogVisible"
 74
     @close="resetForm('addUser')">
           <el-form :model="addUserForm" :rules="addUserRules" ref="addUser"</pre>
 75
     label-width="100px">
             <el-form-item label="用户名" prop="username">
 76
               <el-input v-model="addUserForm.username"></el-input>
 77
 78
             </el-form-item>
             <el-form-item label="密码" prop="password">
 79
 80
               <el-input type="password" v-model="addUserForm.password"></el-
     input>
 81
             </el-form-item>
 82
             <el-form-item label="确认密码" prop="checkPass">
 83
               <el-input type="password" v-model="addUserForm.checkPass"></el-</pre>
     input>
             </el-form-item>
 84
 85
             <el-form-item label="电话" prop="phone">
 86
               <el-input v-model="addUserForm.phone"></el-input>
 87
             </el-form-item>
             <el-form-item label="姓" prop="last_name">
 88
 89
               <el-input v-model="addUserForm.last_name"></el-input>
 90
             </el-form-item>
             <el-form-item label="名" prop="first_name">
 91
 92
               <el-input v-model="addUserForm.first_name"></el-input>
 93
             </el-form-item>
             <el-form-item label="邮箱" prop="email">
 94
               <el-input v-model="addUserForm.email"></el-input>
 95
 96
             </el-form-item>
 97
           </el-form>
           <span slot="footer" class="dialog-footer">
 98
             <el-button @click="addUserDialogVisible = false">取 消</el-button>
 99
             <el-button type="primary" @click="addUser">确 定</el-button>
100
101
           </span>
102
         </el-dialog>
103
       </div>
104
     </template>
```

```
105
106
     <script>
     export default {
107
108
       created() {
109
         this.getUserList()
110
       },
111
       data() {
         const validatePass = (rule, value, callback) => {
112
113
           if (value !== this.addUserForm.password) {
114
             callback(new Error('两次输入密码不一致!'))
115
           } else {
116
             callback()
117
           }
118
         }
119
         return {
           search: '',
120
           addUserDialogVisible: false,
121
           addUserForm: {
122
             username: '',
123
124
             password: '',
             phone: '',
125
             first_name: '',
126
             last_name: '',
127
             email: ''
128
129
           },
130
           addUserRules: {
131
             username: [
               { required: true, message: '请输入登录用户名', trigger: 'blur' },
132
               { min: 4, max: 16, message: '长度在 4 到 16 个字符', trigger:
133
     'blur' }
134
135
             password: [
               { required: true, message: '请输入密码', trigger: 'blur' },
136
               { min: 4, max: 16, message: '长度在 4 到 16 个字符', trigger:
137
     'blur' }
138
             ],
139
             checkPass: [
140
               { required: true, message: '请输入密码', trigger: 'blur' },
141
               { validator: validatePass, trigger: 'blur' }
142
             ]
143
           }.
144
           userList: [],
145
           pagination: { page: 1, size: 20, total: 0 },
146
           // 修改用户对话框
147
           editUserDialogVisible: false,
           editUserForm: {
148
149
             username: '',
150
             phone: '',
             first_name: '',
151
152
             last_name: '',
             email: ''
153
154
           },
           editUserRules: {}
155
         }
156
157
       },
158
       methods: {
159
         resetForm(name) {
160
           console.log('~~~~~')
```

```
this.$refs[name].resetFields()
161
162
         },
         addUser() {
163
164
           const name = 'addUser'
165
           this.$refs[name].validate(async (valid) => {
166
             if (valid) {
167
               const { data: response } = await this.$http.post('users/',
     this.addUserForm)
               if (response.code) {
168
169
                  return this.$message.error(response.message)
170
               }
171
               this.addUserDialogVisible = false
               this.resetForm(name)
172
173
               this.getUserList()
             }
174
           })
175
         },
176
177
         async getUserList(page = 1) {
178
           if (!page) {
179
             page = 1
           }
180
181
           const { data: response } = await this.$http.get('users/', {
182
             params: {
183
               page,
184
               search: this.search
185
             }
186
           })
           if (response.code) {
187
             return this.$message.error(response.message)
188
189
           this.userList = response.results
190
191
           this.pagination = response.pagination
192
         },
193
         handleCurrentChange(val) {
           console.log(`当前页: ${val}`)
194
195
           this.getUserList(val)
196
         },
197
         async handleIsActiveChange(row) {
198
           // 激活按钮变化, 去后台部分更新字段
199
           await this.$http.patch(`users/${row.id}/`, { is_active: row.is_active
     })
200
         },
201
         handleEditUser(row) {
202
           this.editUserForm = row
203
           this.editUserDialogVisible = true
204
         }.
205
         editUser() {
206
           const { id } = this.editUserForm
           const name = 'editUser'
207
208
           this.$refs[name].validate(async (valid) => {
209
             if (valid) {
               const { data: response } = await this.$http.patch(`users/${id}/`,
210
     this.editUserForm)
211
               if (response.code) {
212
                  return this.$message.error(response.message)
213
               }
214
               this.editUserDialogVisible = false
215
               this.resetForm(name)
```

```
216
               this.getUserList(this.pagination.page) // 刷新用户列表
217
             }
           })
218
219
         },
         // 删除用户
220
221
         handleDelUser(id) {
222
           this.$msgbox
223
              .confirm('删除该用户, 是否继续?', '提示', {
               confirmButtonText: '确定',
224
225
                cancelButtonText: '取消',
                type: 'danger',
226
227
                center: true
228
             })
229
              .then(async() \Rightarrow {
230
                const { data: response } = await
     this.$http.delete(`users/${id}/`)
231
               if (response.code) {
232
                  return this.$message.error(response.message)
233
               }
234
               this.getUserList()
235
             })
236
              .catch(() => {})
237
         }
       }
238
239
240
     </script>
241
242
     <style lang="less" scoped></style>
```

顺便考虑一下id为1,就是管理员,后端禁止修改和删除,这个需要修改什么方法?

```
from rest_framework.permissions import IsAuthenticated, IsAdminUser
2
    from rest_framework.viewsets import ModelViewSet
3
    from django.contrib.auth import get_user_model
4
    from .models import UserProfile
5
    from .serializers import UserSerializer
    from django_filters.rest_framework import DjangoFilterBackend
6
7
    from rest_framework import filters
8
    from django.http.response import Http404
9
10
    class UserViewSet(ModelViewSet):
        queryset = get_user_model().objects.all()
11
12
        serializer_class = UserSerializer
13
        # permission_classes = [IsAdminUser] # 必须是管理员才能管理用户
        filter_backends = [filters.SearchFilter] # 指定filter
14
15
        # filterset_fields = ['username']
       search_fields = ['username']
16
17
        # 详情页禁止修改username,如果提供用户名,它就要验证用户名唯一性,且尝试修改用户名
18
        def partial_update(self, request, *args, **kwargs):
19
20
            request.data.pop('username', None) # 剔除不要更新的字段
21
            request.data.pop('id', None)
22
            request.data.pop('password', None)
23
            return super().partial_update(request, *args, **kwargs)
24
```

```
def get_object(self):
    if self.request.method.lower() != 'get':
        pk = self.kwargs.get('pk')
        if pk == 1 or pk == '1':
            raise Http404
        return super().get_object()
```

用户信息菜单

下拉菜单参考 https://element.eleme.cn/#/zh-CN/component/dropdown

src/plugins/element.js

```
import Vue from 'vue'
 2
    import {
 3
      Form, FormItem, Input, Button, Message, Container,
 4
      Header, Aside, Main, Menu, MenuItem, Submenu, Breadcrumb,
 5
      BreadcrumbItem, Card, Row, Col, Table, TableColumn,
 6
      Dialog, Pagination, Switch, MessageBox, Tooltip,
 7
      DropdownMenu, DropdownItem, Dropdown
8
    } from 'element-ui'
9
10
    Vue.use(Dropdown)
11
    Vue.use(DropdownMenu)
12
    Vue.use(DropdownItem)
```

src/components/Home.vue

```
1
    <template>
 2
      <el-container>
        <el-header>
 3
 4
          <div class="logo">
 5
            <img src="../assets/logo.png" alt="logo" />
 6
            <div class="title">马哥教育猛犸运维系统管理平台</div>
 7
            <div><i :class="isCollapsed ? 'el-icon-s-unfold' : 'el-icon-s-fold'"</pre>
    @click="toggleMenu"></i></div>
 8
          </div>
 9
          <div class="info">
            <el-button type="info" @click="logout">退出</el-button>
10
11
            <el-dropdown @command="handleCommand">
12
               <span class="el-dropdown-link">{{ user.username }}<i class="el-</pre>
    icon-arrow-down el-icon--right"></i> </span>
13
              <el-dropdown-menu slot="dropdown">
                 <el-dropdown-item command="chpwd">修改密码</el-dropdown-item>
14
15
                 <el-dropdown-item command="logout">退出</el-dropdown-item>
              </el-dropdown-menu>
16
            </el-dropdown>
17
          </div>
18
19
        </el-header>
20
          <el-aside :width="isCollapsed ? '64px' : '200px'">
21
            <el-menu
22
              background-color="#123"
23
24
              text-color="#fff"
25
              active-text-color="#ffd04b"
```

```
:collapse="isCollapsed"
26
27
               :collapse-transition="true"
28
               :router="true"
29
               <el-submenu v-for="item in menulist" :index="item.id + ''"</pre>
30
    :key="item.id">
31
                 <template slot="title">
32
                   <i class="el-icon-menu"></i><span slot="title">{{
    item.itemName }}</span>
33
                 </template>
34
                 <el-menu-item v-for="subItem in item.children"
    :index="subItem.path" :key="subItem.id">
35
                   <i class="el-icon-menu"></i><span slot="title">{{
    subItem.itemName }}</span>
36
                 </el-menu-item>
               </el-submenu>
37
38
               <el-menu-item index="/welcome">
39
                 <i class="el-icon-setting"></i></i></or>
                 <span slot="title">导航四</span>
40
41
               </el-menu-item>
               <el-menu-item index="/t1">
42
                 <i class="el-icon-setting"></i></i></or>
43
44
                 <span slot="title">t1</span>
               </el-menu-item>
45
46
             </el-menu>
           </el-aside>
                                        人的海新职业学院
47
48
           <el-main>
49
             <router-view></router-view>
50
          </el-main>
51
         </el-container>
52
      </el-container>
53
    </template>
```

用户信息

登录成功,返回JSON的Token,Header部分显示用户信息,比如用户id、用户名等。src/components/Home.vue

```
1
    <script>
 2
    export default {
 3
      created() {
 4
        this.getMenulist() // vue组件创建时查菜单数据
 5
        this.getUserInfo()
 6
      },
 7
      data() {
 8
        return {
 9
          menulist: [], // 菜单数据
10
          isCollapsed: false,
11
          user: {}, // 用户信息,
          chpwdDialogVisible: false // 修改密码对话框
12
        }
13
14
      },
      methods: {
15
16
        async getMenulist() {
17
          const { data: response } = await this.$http.get('users/menulist/')
          if (response.code) {
18
```

```
19
             return this.$message.error(response.message)
20
          }
21
          this.menulist = response.data
22
        },
23
        logout() {
          window.localStorage.removeItem('token')
24
25
          this.$router.push('/login')
26
        },
        toggleMenu() {
27
28
          this.isCollapsed = !this.isCollapsed
29
        },
30
        handleCommand(command) {
31
          if (command === 'logout') {
            this.logout()
32
33
          } else if (command === 'chpwd') {
            this.chpwdDialogVisible = true
34
35
          }
36
        },
37
        async getUserInfo() {
38
          // 带着token发起请求,后台查询用户数据
          const { data: response } = await this.$http.get('users/whoami/')
39
40
          if (response.code) {
41
             return this.$message.error(response.message)
42
          }
          this.user = response.user
43
44
        },
45
        changePassword() {}
46
      }
47
    }
    </script>
```

user/views.py

```
from rest_framework.views import Response, Request
1
2
    from rest_framework.decorators import api_view, permission_classes, action
3
    from rest_framework.permissions import IsAuthenticated, IsAdminUser
    from rest_framework.viewsets import ModelViewSet
5
    from django.contrib.auth import get_user_model
    from .models import UserProfile
6
    from .serializers import UserSerializer
7
8
    from django_filters.rest_framework import DjangoFilterBackend
9
    from rest_framework import filters
10
    from django.http.response import Http404
11
12
    class UserViewSet(ModelViewSet):
13
        queryset = get_user_model().objects.all()
        serializer_class = UserSerializer
14
15
        # permission_classes = [IsAdminUser] # 必须是管理员才能管理用户
        filter_backends = [filters.SearchFilter] # 指定filter
16
17
        # filterset_fields = ['username']
18
       search_fields = ['username']
19
20
        # 详情页禁止修改username,如果提供用户名,它就要验证用户名唯一性,且尝试修改用户名
21
        def partial_update(self, request, *args, **kwargs):
            request.data.pop('username', None) # 剔除不要更新的字段
22
```

```
23
             request.data.pop('id', None)
24
             request.data.pop('password', None)
25
             return super().partial_update(request, *args, **kwargs)
26
27
        def get_object(self):
28
            if self.request.method.lower() != 'get':
29
                 pk = self.kwargs.get('pk')
30
                 if pk == 1 or pk == '1':
                     raise Http404
31
32
             return super().get_object()
33
34
        @action(['GET'], detail=False, url_path='whoami')
35
        def whoami(self, request): # detail=False, 非详情页
            print(request.user)
36
37
             return Response({
                 'user':{
38
39
                     'id': request.user.id,
40
                     'username': request.user.username
41
                 }
42
            })
```

去看看自动生成的路由多了什么?

密码修改

使用对话框,提供当前密码和新密码。

src/components/Home.vue

```
1
    <template>
 2
      <el-container>
 3
        <e1-header>
          <div class="logo">
 4
 5
            <img src="../assets/logo.png" alt="logo" />
 6
            <div class="title">马哥教育猛犸运维系统管理平台</div>
            <div><i :class="isCollapsed ? 'el-icon-s-unfold' : 'el-icon-s-</pre>
 7
    fold'" @click="toggleMenu"></i></div>
          </div>
 8
9
          <div class="info">
10
            <el-dropdown @command="handleCommand">
11
              <span class="el-dropdown-link">{{ user.username }}<i class="el-</pre>
    icon-arrow-down el-icon--right"></i> </span>
              <el-dropdown-menu slot="dropdown">
12
13
                <el-dropdown-item command="chpwd">修改密码</el-dropdown-item>
                <el-dropdown-item command="logout">退出</el-dropdown-item>
14
15
              </el-dropdown-menu>
            </el-dropdown>
16
17
          </div>
          <!-- 修改密码对话框 -->
18
19
          <el-dialog title="修改密码":visible.sync="chpwdDialogVisible"
    @close="resetForm('chpwd')">
20
            <el-form :model="chpwdForm" :rules="chpwdRules" ref="chpwd" label-
    width="100px">
21
              <el-form-item label="用户名">{{ user.username }}</el-form-item>
              <el-form-item label="旧密码" prop="oldPassword">
22
```

```
23
                 <el-input type="password" v-model="chpwdForm.oldPassword"></el-</pre>
    input>
24
               </el-form-item>
               <el-form-item label="新密码" prop="password">
25
26
                 <el-input type="password" v-model="chpwdForm.password"></el-</pre>
    input>
27
              </el-form-item>
               <el-form-item label="确认新密码" prop="checkPass">
28
29
                 <el-input type="password" v-model="chpwdForm.checkPass"></el-</pre>
    input>
               </el-form-item>
30
31
             </el-form>
32
             <span slot="footer" class="dialog-footer">
33
               <el-button @click="chpwdDialogVisible = false">取 消</el-button>
               <el-button type="primary" @click="changePassword">确 定</el-
34
    button>
35
             </span>
36
          </el-dialog>
37
        </el-header>
38
        <el-container>
          <el-aside :width="isCollapsed ? '64px' : '200px'">
39
             <el-menu
40
41
               background-color="#123"
              text-color="#fff"
42
43
               active-text-color="#ffd04b"
               :collapse="isCollapsed"
44
45
               :collapse-transition="true"
               :router="true"
46
47
               <el-submenu v-for="item in menulist" :index="item.id + ''"</pre>
48
    :key="item.id">
                 <template slot="title">
49
                   <i class="el-icon-menu"></i><span slot="title">{{
50
    item.itemName }}</span>
51
                 </template>
52
                 <el-menu-item v-for="subItem in item.children"
    :index="subItem.path" :key="subItem.id">
                   <i class="el-icon-menu"></i><span slot="title">{{
53
    subItem.itemName }}</span>
54
                 </el-menu-item>
               </el-submenu>
55
               <el-menu-item index="/welcome">
56
57
                 <i class="el-icon-setting"></i></i>
58
                 <span slot="title">导航四</span>
59
               </el-menu-item>
               <el-menu-item index="/t1">
60
61
                 <i class="el-icon-setting"></i></i>
62
                 <span slot="title">t1</span>
               </el-menu-item>
63
64
             </el-menu>
          </el-aside>
65
          <el-main>
66
             <router-view></router-view>
67
68
          </el-main>
69
        </el-container>
70
      </el-container>
71
    </template>
72
```

```
73
     <script>
 74
     export default {
       created() {
 75
 76
         this.getMenulist() // vue组件创建时查菜单数据
 77
         this.getUserInfo()
 78
       },
 79
       data() {
         const validatePass = (rule, value, callback) => {
 80
           if (value !== this.chpwdForm.password) {
 81
 82
             callback(new Error('两次输入密码不一致!'))
 83
           } else {
 84
             callback()
 85
           }
 86
         }
 87
         return {
           menulist: [], // 菜单数据
 88
           isCollapsed: false,
 89
 90
           user: {}, // 用户信息,
           chpwdDialogVisible: false, // 修改密码对话框
 91
 92
           chpwdForm: {
             oldPassword: '',
 93
             password: '',
 94
 95
             checkPass: ''
 96
           },
 97
           chpwdRules: {
 98
             oldPassword: [
               { required: true, message: '请输入旧密码', trigger: 'blur' },
 99
100
               { min: 4, max: 16, message: '长度在 4 到 16 个字符', trigger:
     'blur' }
101
             ],
102
             password: [
               { required: true, message: '请输入新密码', trigger: 'blur' },
103
               { min: 4, max: 16, message: '长度在 4 到 16 个字符', trigger:
104
     'blur' }
105
             ],
106
             checkPass: [
               { required: true, message: '请输入新密码', trigger: 'blur' },
107
               { validator: validatePass, trigger: 'blur' }
108
109
             ]
110
           }
         }
111
112
       },
113
       methods: {
114
         async getMenulist() {
115
           const { data: response } = await this.$http.get('users/menulist/')
116
           if (response.code) {
117
             return this.$message.error(response.message)
118
119
           this.menulist = response.data
120
         },
121
         logout() {
122
           window.localStorage.removeItem('token')
123
           this.$router.push('/login')
124
         },
125
         toggleMenu() {
126
           this.isCollapsed = !this.isCollapsed
127
         },
128
         handleCommand(command) {
```

```
if (command === 'logout') {
129
130
             this.logout()
           } else if (command === 'chpwd') {
131
132
             this.chpwdDialogVisible = true
133
           }
134
         },
135
         async getUserInfo() {
136
           // 带着token发起请求,后台查询用户数据
137
           const { data: response } = await this.$http.get('users/whoami/')
138
           if (response.code) {
139
             return this.$message.error(response.message)
140
           }
141
           this.user = response.user
142
         },
143
         async changePassword() {
144
           // 后台要验证旧密码
           const { data: response } = await
145
     this.$http.post(`users/${this.user.id}/setpwd/`, this.chpwdForm)
146
           if (response.code) {
147
             return this.$message.error(response.message)
           }
148
149
           this.chpwdDialogVisible = false
150
           this.$message('密码修改成功')
151
         },
152
         resetForm(name) {
153
           this.$refs[name].resetFields()
154
         }
155
       }
156
     }
157
     </script>
```

当前用户修改密码,不要轻信user_id,在后端,一定要使用认证后的request.user。要求不能修改id为1的管理员密码。

utils/exceptions.py

```
1 class InvalidPassword(MagBaseException):
2 code = 101
3 message = '密码验证错误'
```

user/view.py完整代码

```
1
    from rest_framework.views import Response, Request
    from rest_framework.decorators import api_view, permission_classes, action
 2
    from rest_framework.permissions import IsAuthenticated, IsAdminUser
 4
    from rest_framework.viewsets import ModelViewSet
 5
    from django.contrib.auth import get_user_model
 6
    from .models import UserProfile
    from .serializers import UserSerializer
 7
 8
    from django_filters.rest_framework import DjangoFilterBackend
9
    from rest_framework import filters
    from django.http.response import Http404
10
11
    from utils.exceptions import InvalidPassword
12
    class UserViewSet(ModelViewSet):
13
```

```
14
        queryset = get_user_model().objects.all()
15
        serializer_class = UserSerializer
        # permission_classes = [IsAdminUser] # 必须是管理员才能管理用户
16
17
        filter_backends = [filters.SearchFilter] # 指定filter
18
        # filterset_fields = ['username']
19
        search_fields = ['username']
20
21
        # 详情页禁止修改username,如果提供用户名,它就要验证用户名唯一性,且尝试修改用户名
        def partial_update(self, request, *args, **kwargs):
22
23
            print('~~~@@@@@@@@@@@@@')
            print(request.user)
24
25
            print(request.data)
            print('~~~@@@@@@@@@@@@")
26
27
            request.data.pop('username', None) # 剔除不要更新的字段
28
            request.data.pop('id', None)
29
            request.data.pop('password', None)
30
            return super().partial_update(request, *args, **kwargs)
31
        def get_object(self):
32
33
            if self.request.method.lower() != 'get':
34
                pk = self.kwargs.get('pk')
35
                if pk == 1 or pk == '1':
36
                    print('竟敢修改管理员!!!!')
37
                    raise Http404
38
            return super().get_object()
39
40
        @action(['GET'], detail=False, url_path='whoami')
        def whoami(self, request): # detail=False, 非详情页
41
42
            print(request.user)
            return Response({
44
                'user':{
45
                    'id': request.user.id,
46
                     'username': request.user.username
47
48
            })
49
50
        @action(detail=True, methods=['post'], url_path='setpwd')
        def set_password(self, request, pk=None):
51
52
            user = self.get_object()
            # {'oldPassword': 'adminadmin', 'password': 'admin', 'checkPass':
53
    'admin'}
54
            if user.check_password(request.data['oldPassword']):
55
                user.set_password(request.data['password'])
56
                user.save()
57
                return Response()
58
            else:
59
                raise InvalidPassword
60
61
62
    class PermissionItem(dict):
63
        def __init__(self, id, itemName, path=None):
            super().__init__()
65
            self.id = id
66
            self.itemName = itemName
            self.path = path
67
68
            self.children = []
69
70
        def __setattr__(self, key, value):
```

```
71
            self[key] = value
72
73
        def __getattr__(self, key):
74
            return self[key]
75
76
        def append(self, child):
77
            self.children.append(child)
78
79
    @api_view(['GET'])
80
    @permission_classes([IsAuthenticated, IsAdminUser]) # 覆盖全局配置
    def menulist_view(request:Request):
81
82
        user = request.user
83
        auth = request.auth
84
        print(user, auth)
85
        # print(dir(user)) # .is_superuser
86
        menulist = {
87
            'data': []
88
        }
89
        if user.is_superuser: # 用户管理必须管理员
            p1 = PermissionItem(101, '用户管理')
90
91
            pl.append(PermissionItem(102, '用户列表', '/users/'))
            pl.append(PermissionItem(103, '角色列表', '/users/roles/'))
92
            pl.append(PermissionItem(104, '权限列表', '/users/perms/'))
93
            menulist['data'].append(p1)
94
95
        return Response(menulist)
```

提交合并代码

前台代码提交

```
1  $ git add .
2  $ git commit -m "User finished"
3  $ git push -u origin user
4  $ git checkout master
5  $ git merge user
6  $ git push
```

后台代码提交

使用Pycharm图形界面操作, 步骤同上。