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1. 目标

集成 activiti 5.22.0 到 Jeecg Boot 2.4.2, activiti 来源

<https://github.com/happy-panda/jeecg-boot-activiti>

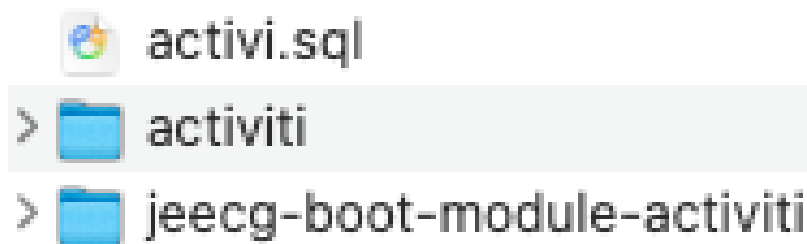
2. 适用范围

jeecg-boot版本: 2.4.2

3. 集成工具

navicat版本: 15.0.28

4. 集成所需文件

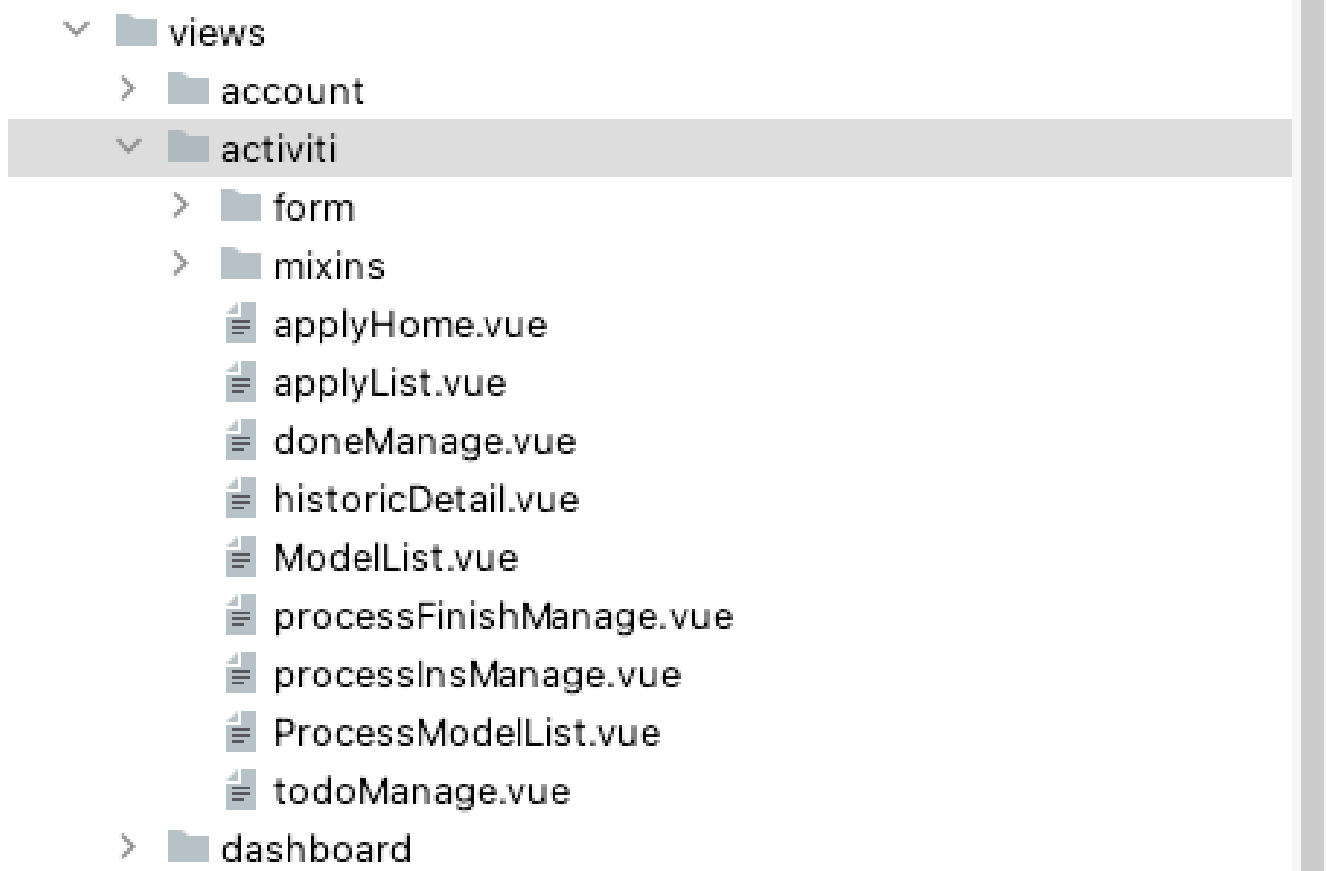


5. 前置条件

集成之前, 请先安装好 jeecg-boot 2.4.2, 并保证其正常运行

6. 前端集成

将目录 `activiti` 拷贝到 `jeecg-boot-2.4.2/ant-design-vue-jeecg/src/views/` 下, 如图



在前端 `main.js` 文件中, 添加如下代码

```
import { getAction,postFormAction ,postAction} from "@api/manage"
Vue.prototype.postFormAction = postFormAction;
Vue.prototype.postDataAction = postAction;
Vue.prototype.getAction = getAction;
```

添加后的效果

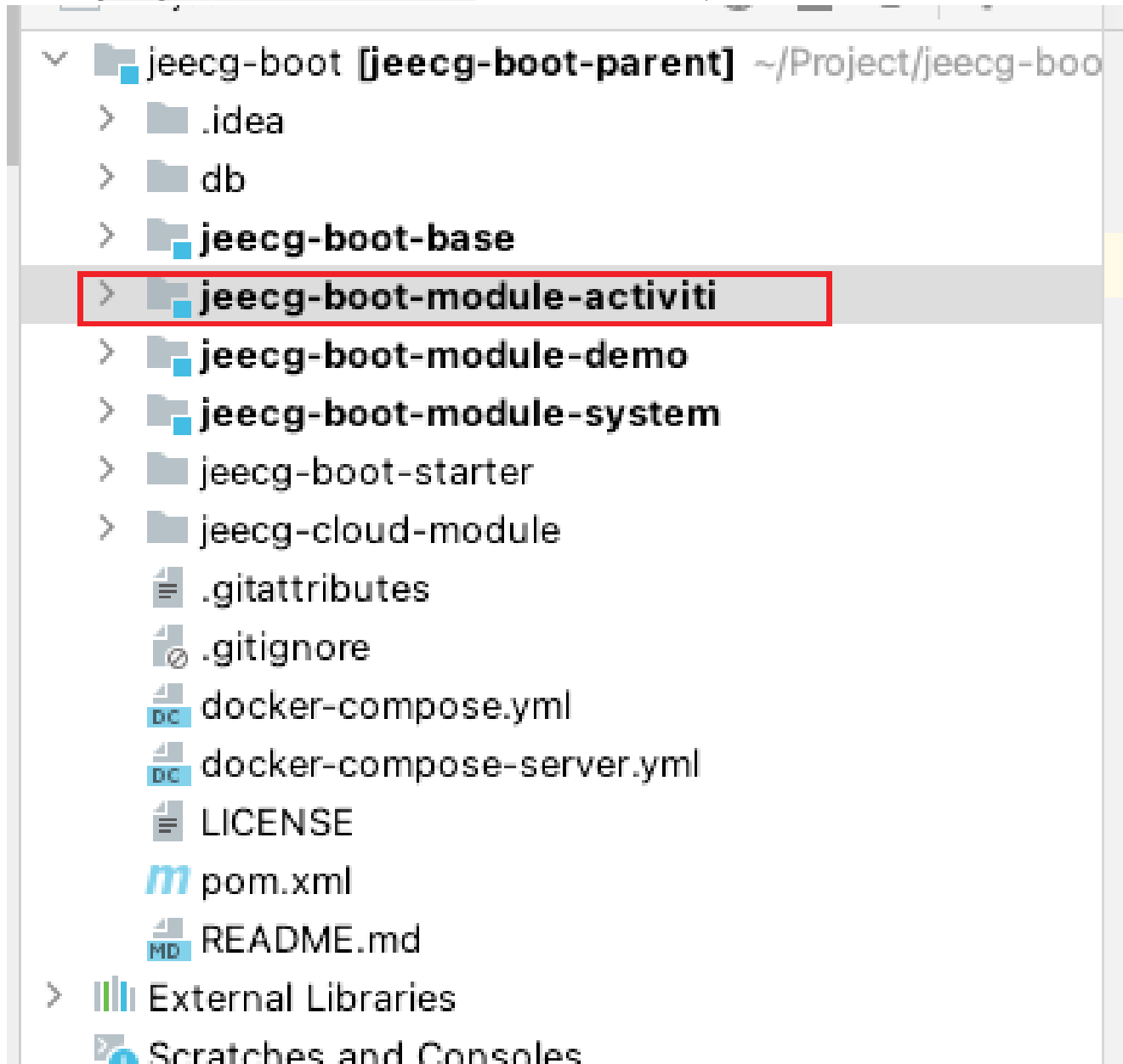
```
58 Vue.use(Print)
59 Vue.use(preview)
60 Vue.use(vueBus);
61 Vue.use(JeecgComponents);
62 Vue.use(VueAreaLinkage);
63 //edit by sunwu
64 // 挂载全局使用的方法
65 import { getAction,postFormAction ,postAction} from "@api/manage"
66 Vue.prototype.postFormAction = postFormAction;
67 Vue.prototype.postDataAction = postAction;
68 Vue.prototype.getAction = getAction;
69 //edit by sunwu
70
71
72 SS0.init(() => {
73   main()
74 })
75 function main() {
76   new Vue({
77     router,
78     store,
79     mounted () {
80       store.commit( type: 'SET_SIDE_BAR_TYPE', Vue.ls.get(SIDEBAR_TYPE, true))
81       store.commit( type: 'TOGGLE_THEME', Vue.ls.get(DEFAULT_THEME, config.navTheme))
82       store.commit( type: 'TOGGLE_LAYOUT_MODE', Vue.ls.get(DEFAULT_LAYOUT_MODE, config.layout))
83       store.commit( type: 'TOGGLE_FIXED_HEADER', Vue.ls.get(DEFAULT_FIXED_HEADER, config.fixedHeader))
84       store.commit( type: 'TOGGLE_FIXED_SIDEBAR', Vue.ls.get(DEFAULT_FIXED_SIDEMENU, config.fixSiderbar))
85       store.commit( type: 'TOGGLE_CONTENT_WIDTH', Vue.ls.get(DEFAULT_CONTENT_WIDTH_TYPE, config.contentWid
86       store.commit( type: 'TOGGLE_FIXED_HEADER_HIDDEN', Vue.ls.get(DEFAULT_FIXED_HEADER_HIDDEN, config.aut
87       store.commit( type: 'TOGGLE_WEAK', Vue.ls.get(DEFAULT_COLOR_WEAK, config.colorWeak))
88       store.commit( type: 'TOGGLE_COLOR', Vue.ls.get(DEFAULT_COLOR, config.primaryColor))
89       store.commit( type: 'SET_TOKEN', Vue.ls.get(ACCESS_TOKEN))
90       store.commit( type: 'SET_MULTI_PAGE',Vue.ls.get(DEFAULT_MULTI_PAGE,config.multipage))
91     },
```

前端到此集成完成

7. 后端集成

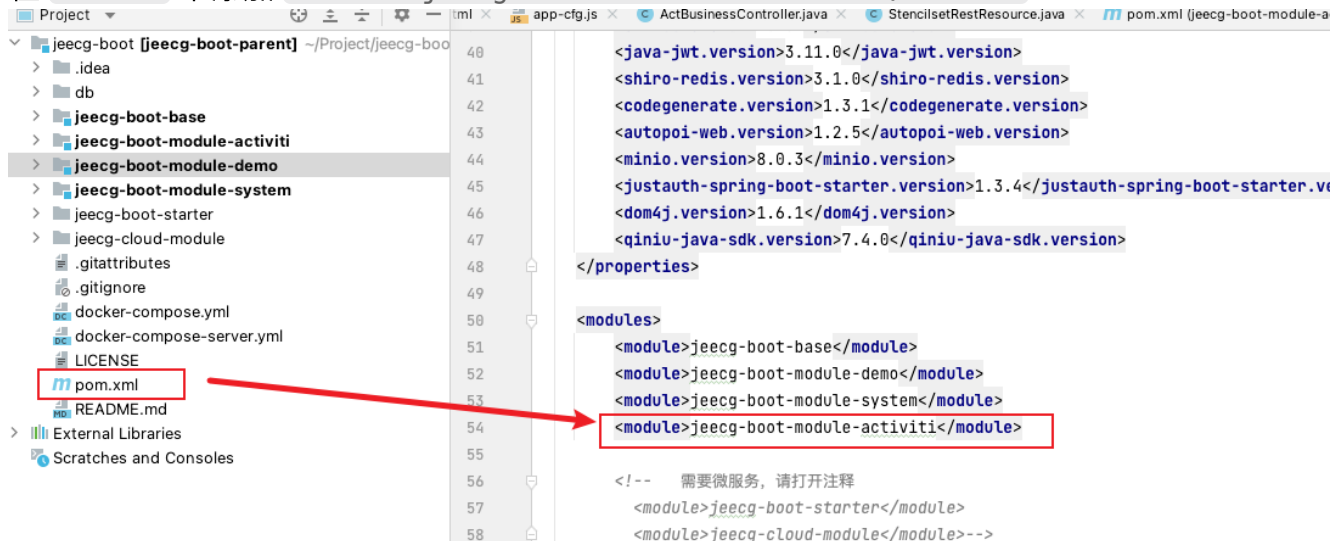
7.1. 复制目录文件

将目录 `jeecg-boot-module-activiti` 拷贝后端根目录下, 如图



7.2. 根目录 pom.xml 添加模块依赖

在 `modules` 下添加 `<module>jeecg-boot-module-activiti</module>`

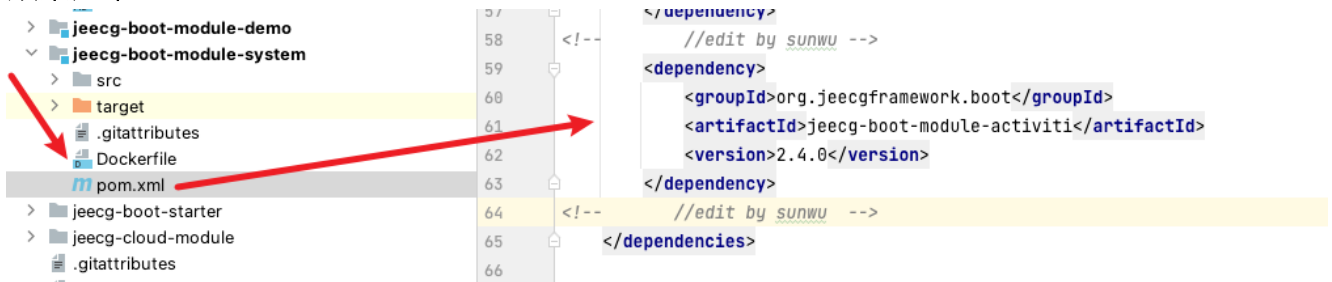


7.3. system 添加依赖

在 `jeecg-boot-module-system/pom.xml` 中添加

```
<dependency>
    <groupId>org.jeecgframework.boot</groupId>
    <artifactId>jeecg-boot-module-activiti</artifactId>
    <version>2.4.0</version>
</dependency>
```

效果如下



7.4. 启动配置

```
@SpringBootApplication(exclude =
{org.springframework.boot.autoconfigure.security.servlet.SecurityAutoC
onfiguration.class,

org.springframework.boot.actuate.autoconfigure.security.servlet.Manage
mentWebSecurityAutoConfiguration.class
,org.activiti.spring.boot.SecurityAutoConfiguration.class
})
```

7.5. 绕过 Shiro

在 `jeecg-boot-base/jeecg-boot-base-core/src/main/java/org/jeecg/config/shiro/ShiroConfig.java` 中条件如下代码

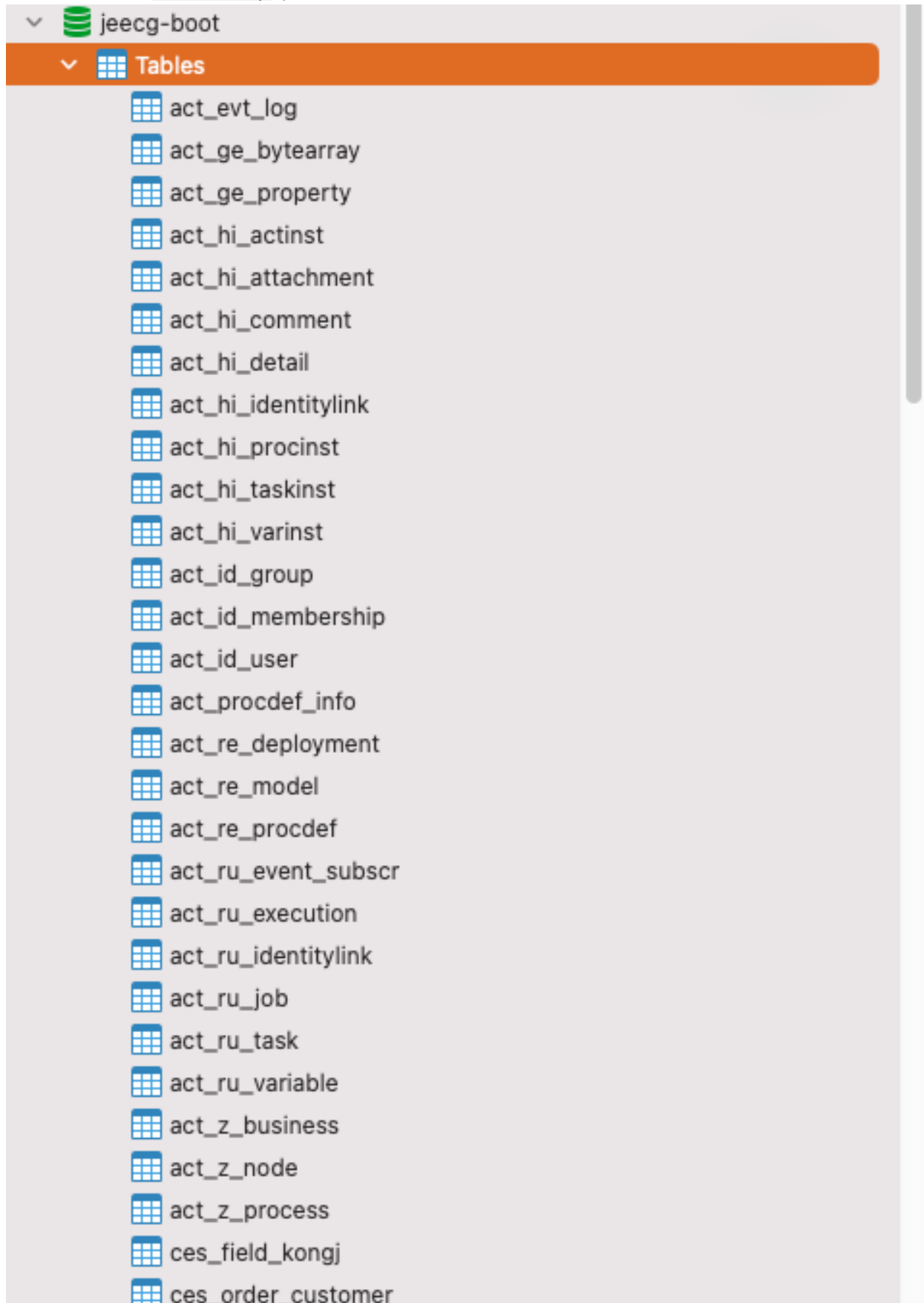
```
//activiti
filterChainDefinitionMap.put("/activiti/**", "anon");
filterChainDefinitionMap.put("/diagram-viewer/**", "anon");
filterChainDefinitionMap.put("/editor-app/**", "anon");
filterChainDefinitionMap.put("/jeecg-boot/activiti/**", "anon");
filterChainDefinitionMap.put("/jeecg-boot/diagram-viewer/**", "anon");
filterChainDefinitionMap.put("/jeecg-boot/editor-app/**", "anon");
```

效果



7.6. 添加 activiti 数据库

Navicat 执行 `activi.sql` , 成功后如下



7.7. 添加菜单

*/*菜单 添加完菜单后需配置菜单权限*/*

```
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
```

```

always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331160370012162', null, '工作流', '/activiti',
'layouts/RouteView', null, null, 0, null, '1', 1.1, 0, 'cluster', 1,
0, 0, 0, null, 'admin', '2020-03-13 13:08:50', null, null, 0, 0, '1',
0);
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331682929958913', '1238331160370012162', '流程模型',
'/activiti/ModelList', 'activiti/ModelList', null, null, 1, null, '1',
2, 0, 'bars', 1, 1, 0, 0, null, 'admin', '2020-03-13 13:10:55', null,
null, 0, 0, '1', 0);
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331682929958914', '1238331160370012162', '已发布模型',
'/activiti/ProcessModelList', 'activiti/ProcessModelList', null, null,
1, null, '1', 3, 0, 'bars', 1, 1, 0, 0, null, 'admin', '2020-03-13
13:10:55', null, null, 0, 0, '1', 0);
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331682929958915', '1238331160370012162', '我的申请',
'/activiti/applyList', 'activiti/applyList', null, null, 1, null, '1',
4, 0, 'bars', 1, 1, 0, 0, null, 'admin', '2020-03-13 13:10:55', null,
null, 0, 0, '1', 0);
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331682929958916', '1238331160370012162', '我的待办',
'/activiti/todoManage', 'activiti/todoManage', null, null, 1, null,
'1', 5, 0, 'bars', 1, 1, 0, 0, null, 'admin', '2020-03-13 13:10:55',
null, null, 0, 0, '1', 0);
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331682929958917', '1238331160370012162', '我的已办',

```



```

'/activiti/doneManage', 'activiti/doneManage', null, null, 1, null,
'1', 6, 0, 'bars', 1, 1, 0, 0, null, 'admin', '2020-03-13 13:10:55',
null, null, 0, 0, '1', 0);
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331682929958918', '1238331160370012162', '进行中的流程',
'/activiti/processInsManage', 'activiti/processInsManage', null, null,
1, null, '1', 7, 0, 'bars', 1, 1, 0, 0, null, 'admin', '2020-03-13
13:10:55', null, null, 0, 0, '1', 0);
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331682929958919', '1238331160370012162', '已结束流程',
'/activiti/processFinishManage', 'activiti/processFinishManage', null,
null, 1, null, '1', 8, 0, 'bars', 1, 1, 0, 0, null, 'admin', '2020-03-
13 13:10:55', null, null, 0, 0, '1', 0);
INSERT INTO sys_permission (id, parent_id, name, url, component,
component_name, redirect, menu_type, perms, perms_type, sort_no,
always_show, icon, is_route, is_leaf, keep_alive, hidden, description,
create_by, create_time, update_by, update_time, del_flag, rule_flag,
status, internal_or_external)
VALUES ('1238331682929958920', '1238331160370012162', '所有流程',
'/activiti/applyHome', 'activiti/applyHome', null, null, 1, null, '1',
1, 0, 'bars', 1, 1, 0, 0, null, 'admin', '2020-03-13 13:10:55', null,
null, 0, 0, '1', 0);

```

7.8. 菜单授权

用户管理

角色管理

菜单管理

部门管理

我的部门

职务管理

通讯录

数据字典

分类字典

系统通告

	角色编码	角色名称	创建时间
<input type="radio"/>	caiwu	财务出纳	2020-05
<input type="radio"/>	third_role	第三方登录角色	2019-05
<input type="radio"/>	hr	人力资源部	2019-01
<input type="radio"/>	admin	管理员	2018-12
<input type="radio"/>	test	临时角色	2018-12

☒ 报表设计

☒ 积木报表设计
 ☒ 生产销售监控
 ☒ 智慧物流监控

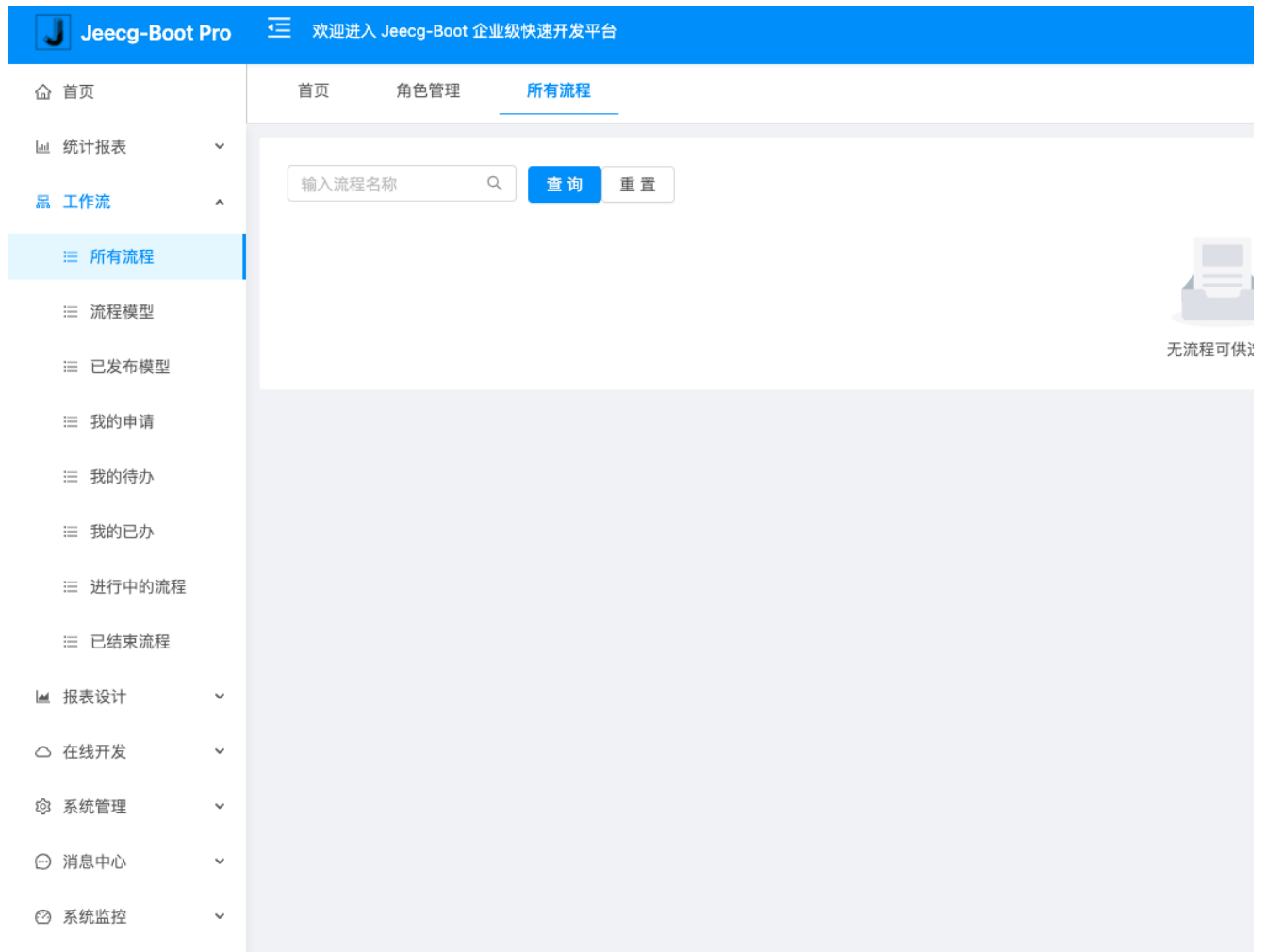
☒ 工作流

☒ 所有流程
 ☒ 流程模型
 ☒ 已发布模型
 ☒ 我的申请
 ☒ 我的待办
 ☒ 我的已办
 ☒ 进行中的流程
 ☒ 已结束流程

☒ 在线开发

☒ Online表单开发
 ☒ 代码生成按钮

授权之后即可看到菜单



7.9. 运行效果

jeecg-boot-activiti成功演示.mp4

7.10. activiti 配置

app-cfg.js

```
ACTIVITI.CONFIG = {  
    // 'contextRoot' : '/activiti-explorer/service',  
    'contextRoot' : 'http://localhost:8080/jeecg-  
boot/activiti/activitiService',  
};
```

8. 报错

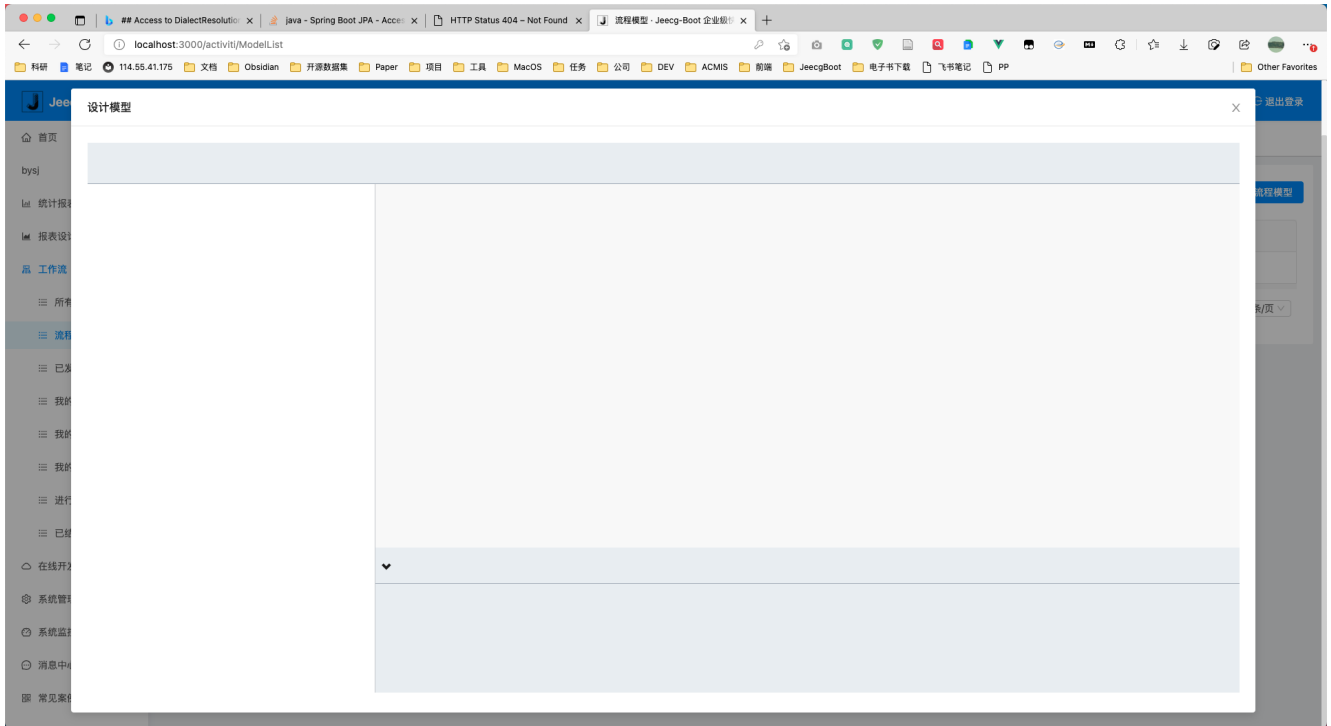
8.1. Access to DialectResolutionInfo cannot be null when 'hibernate.dialect' not set

不知道修改了哪里, 导致 hibernate 报错

[Hibernate问题排查](#)

```
spring:
  jpa:
    open-in-view: false
  properties:
    hibernate:
      dialect: org.hibernate.dialect.PostgreSQLDialect
```

8.2. 工作流编辑界面异常



app-cfg.js

```
ACTIVITI.CONFIG = {
  // 'contextRoot' : '/activiti-explorer/service',
  'contextRoot' : 'http://localhost:8080/jeecg-
boot/activiti/activitiService',
};
```

8.3. token为空

权限问题

```
2022-03-30 15:40:35.760 [http-nio-8080-exec-8] ERROR o.a.c.c.C.[.../jeecg-boot].[dispatcherServlet]:175 - Servlet.service() for servlet [dispatcherServlet] in context with path [/jeecg-boot] threw exception [org.apache.shiro.authc.AuthenticationException: Token失效, 请重新登录] with root cause
org.apache.shiro.authc.AuthenticationException: Create breakpoint : token为空!
    at org.jeecg.config.shiro.ShiroRealm.doGetAuthenticationInfo(ShiroRealm.java:96)
    at org.apache.shiro.realm.AuthenticatingRealm.getAuthenticationInfo(AuthenticatingRealm.java:571)
    at org.apache.shiro.authc.pam.ModularRealmAuthenticator.doSingleRealmAuthentication(ModularRealmAuthenticator.java:188)
    at org.apache.shiro.authc.pam.ModularRealmAuthenticator.doAuthenticate(ModularRealmAuthenticator.java:273)
    at org.apache.shiro.authc.AbstractAuthenticator.authenticate(AbstractAuthenticator.java:198)
    at org.apache.shiro.mgt.AuthenticatingSecurityManager.authenticate(AuthenticatingSecurityManager.java:106)
    at org.apache.shiro.mgt.DefaultSecurityManager.login(DefaultSecurityManager.java:275)
    at org.apache.shiro.subject.support.DelegatingSubject.login(DelegatingSubject.java:268)
    at org.jeecg.config.shiro.filters.JwtFilter.executeLogin(JwtFilter.java:65)
    at org.jeecg.config.shiro.filters.JwtFilter.isAccessAllowed(JwtFilter.java:43)
    at org.apache.shiro.web.filter.AccessControlFilter.onPreHandle(AccessControlFilter.java:162)
    at org.apache.shiro.web.filter.PathMatchingFilter.isFilterChainContinued(PathMatchingFilter.java:223)
    at org.apache.shiro.web.filter.PathMatchingFilter.preHandle(PathMatchingFilter.java:198)
    at org.jeecg.config.shiro.filters.JwtFilter.preHandle(JwtFilter.java:95)
    at org.apache.shiro.web.servlet.AdviceFilter.doFilterInternal(AdviceFilter.java:131)
    at org.apache.shiro.web.servlet.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:129)
    at org.apache.shiro.web.servlet.ProxiedFilterChain.doFilter(ProxiedFilterChain.java:66)
```

ShiroConfig.java

9. 其他

10. 成功演示

