

Contract Management System

Authorize

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When the user uses the system, he can operate only after he has the corresponding operation permission and pass the validation.

Authorize includes user management, role management, function operation, permission configuration and permission validation, etc.

For the role creation and function operation configuration, initialize with the basic data:

When the database is created, through database SQL script, initialize the basic information, such as role, function operation, and so on.

This iteration will program and implement functions of “Configure Permission” and “Validate the Permission of Contract Assignment”.

1. Configure Permission

(1) Introduction

When the administrator clicks “[Configure Permission](#)” hyperlink of Management Page frame1.jsp, display the user permission list in right User Permission List Page yhqxList.jsp.

(2) Input

[userId](#):the id of people configured.

[roleId](#): the id of role configured.

(3) Processing

Query the user permission list information: user id, user name, role id, role name, pass to User Permission List Page yhqxList.jsp and display.

Get the role list, pass to assignPermission.jsp page and display, and display the role that the user already has.

Get the permission configuration information, save in t_right table.

(4) Output

- ① User permission list.
- ② Role list.
- ③ Permission information.

2. Validate the Permission of Contract Assignment

(1) Introduction

The administrator clicks “[Process Configuration](#)” hyperlink of Management Page frame1.jsp to perform the permission validation of contract assignment. If it passes the validation, display the contract list to be assigned.

(2) Input

[userId: administrator id.](#)

(3) Processing

According to the user id, get the user's corresponding function operation permission and validate it. If he has “[Assign Countersign](#)”, “[Assign Approval](#)”, “[Assign Countersign](#)” permissions, get contract list to be assigned, pass to dfphtList.jsp and display. Otherwise, prompt no operation permission.

(4) Output

- ① contract list to be assigned.
- ② prompt no operation permission.

Design for functions of “Configure Permission” and “Validate the Permission of Contract Assignment”.

(1) Configure Permission

Query t_user table to get the user information. According to user id, query t_right table to get role id corresponding to the user. Then, according to role id, query t_role table to get the role information.

Create permission business entity class PermissionBusiModel to encapsulate the user permission information.

Receive the query result with permissionList(List<PermissionBusiModel>), and pass to User Permission List Page yhqxList.jsp to display.

When you modify the permission that the user already has, update the record in t_right table accordingly. Because the new user has no permission record, when you configure the permission for the new user, new record needs to be inserted into t_right table.

You can configure many roles for a user according to the enterprise requirements.

This project will configure only one role for a user. You can extend it according to the actual requirements later.

(2) Validate the Permission of Contract Assignment

t_role table records the role information and the function set that the role can operate.

You can get role id corresponding to the administrator by querying t_right table. According to role id, query t_role table to get the role information. Then, perform the permission validation according to the function numbers corresponding to “Assign Countersign”, “Assign Approval”, “Assign Sign” in the role information.

Iteratively develop on the basis of [Sign Contract](#).

First, implement “Query User Permission List” function.

Then, load the role list, and implement “Configure Permission” function.

Step 1, query the user permission list.

Step 2, load the role list.

Step 3, configure the permission.

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Thanks

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