

SSM整合Shiro进行认证及授权

- 1. 创建用户权限表，并添加数据

- 因为此案例目前使用的是shiro默认数据库结构，则需要按照shiro默认的数据表结构进行创建及配置

- 用户信息

```
create table users(  
    id int primary key auto_increment,  
    username varchar(60) not null,  
    password varchar(60) not null,  
    password_salt varchar(100)  
);  
  
-- 添加用户信息  
insert into users(username,password)  
values('zhangsan','e10adc3949ba59abbe56e057f20f883e');  
insert into users(username,password)  
values('lisi','e10adc3949ba59abbe56e057f20f883e');  
insert into users(username,password)  
values('wangwu','e10adc3949ba59abbe56e057f20f883e');  
insert into users(username,password)  
values('zhaoliu','e10adc3949ba59abbe56e057f20f883e');  
insert into users(username,password)  
values('chenqi','e10adc3949ba59abbe56e057f20f883e');
```

- 角色信息

```
create table user_roles(  
    id int primary key auto_increment,  
    username varchar(60) not null,  
    role_name varchar(100) not null  
);  
  
-- 添加用户角色  
insert into user_roles(username,role_name) values('zhangsan','admin');  
insert into user_roles(username,role_name) values('lisi','user');  
insert into user_roles(username,role_name) values('wangwu','cmanager');  
insert into user_roles(username,role_name) values('zhaoliu','mmanager');  
insert into user_roles(username,role_name) values('chenqi','xmanager');
```

- 权限信息

```
create table roles_permissions(  
    id int primary key auto_increment,  
    role_name varchar(100) not null,  
    permission varchar(100) not null  
);  
  
-- 添加权限信息
```

```

insert into roles_permissions(role_name,permission) values('admin','*');
insert into roles_permissions(role_name,permission) values('user','sys:*:find');

insert into roles_permissions(role_name,permission) values('cmanager','sys:c:save');
insert into roles_permissions(role_name,permission)
values('cmanager','sys:c:delete');
insert into roles_permissions(role_name,permission)
values('cmanager','sys:c:update');
insert into roles_permissions(role_name,permission) values('cmanager','sys:c:find');
insert into roles_permissions(role_name,permission) values('mmanager','sys:m:save');
insert into roles_permissions(role_name,permission)
values('mmanager','sys:m:delete');
insert into roles_permissions(role_name,permission)
values('mmanager','sys:m:update');
insert into roles_permissions(role_name,permission) values('mmanager','sys:m:find');
insert into roles_permissions(role_name,permission) values('xmanager','sys:x:save');
insert into roles_permissions(role_name,permission)
values('xmanager','sys:x:delete');
insert into roles_permissions(role_name,permission)
values('xmanager','sys:x:update');
insert into roles_permissions(role_name,permission) values('xmanager','sys:x:find');

```

• 2.Service层

◦ UserService

```

@Service
public class UserService {
    public void login(String userName,String userPwd) throws Exception{
        Subject subject = SecurityUtils.getSubject();
        UsernamePasswordToken token = new UsernamePasswordToken(userName,userPwd);
        subject.login(token);
    }
}

```

• 3.Controller层

◦ UserController

```

@Controller
public class UserController {

    @Autowired
    private UserService userService;

    @RequestMapping("/login.do")
    public String login(String userName, String userPwd, Model model){
        try{
            userService.login(userName,userPwd);
            System.out.println("----success");
            return "index.jsp";
        }catch (Exception e){
            System.out.println("----fail");
            model.addAttribute("tips","登录验证失败, 请重试! ");
            return "login.jsp";
        }
    }
}

```

```

    }
}
}

```

• 4.View层

◦ login.jsp

```

<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>Title</title>
</head>
<body>
    ${tips}
    <form action="login.do" method="post">
        <input type="text" name="userName"/><br/>
        <input type="password" name="userPwd"/><br/>
        <button type="submit">提交</button>
    </form>
</body>
</html>

```

◦ index.jsp

```

<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<%@ taglib prefix="shiro" uri="http://shiro.apache.org/tags" %>
<html>
    <head>
        <title>Title</title>
    </head>
    <body>
        <shiro:principal/>, 欢迎您!
        [用户角色: <shiro:hasRole name="admin">admin</shiro:hasRole>
            <shiro:hasRole name="user">user</shiro:hasRole>
            <shiro:hasRole name="cmanager">cmanager</shiro:hasRole>
            <shiro:hasRole name="mmanager">mmanager</shiro:hasRole>
            <shiro:hasRole name="xmanager">xmanager</shiro:hasRole>]

        <hr/>
        C模块
        <ul>
            <shiro:hasPermission name="sys:c:save"><li>添加C</li>
        </shiro:hasPermission>
            <shiro:hasPermission name="sys:c:delete"><li>删除C</li>
        </shiro:hasPermission>
            <shiro:hasPermission name="sys:c:update"><li>修改C</li>
        </shiro:hasPermission>
            <shiro:hasPermission name="sys:c:find"><li>查询C</li>
        </shiro:hasPermission>
        </ul>
        X模块
        <ul>
            <shiro:hasPermission name="sys:x:save"><li>添加X</li>
        </shiro:hasPermission>
    </body>
</html>

```

```
        <shiro:hasPermission name="sys:x:delete"><li>删除X</li>
</shiro:hasPermission>
        <shiro:hasPermission name="sys:x:update"><li>修改X</li>
</shiro:hasPermission>
        <shiro:hasPermission name="sys:x:find"><li>查询X</li>
</shiro:hasPermission>
    </ul>
    M模块
    <ul>
        <shiro:hasPermission name="sys:m:save"><li>添加M</li>
</shiro:hasPermission>
        <shiro:hasPermission name="sys:m:delete"><li>删除M</li>
</shiro:hasPermission>
        <shiro:hasPermission name="sys:m:update"><li>修改M</li>
</shiro:hasPermission>
        <shiro:hasPermission name="sys:m:find"><li>查询M</li>
</shiro:hasPermission>
    </ul>
</body>
</html>
```