web实验

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servlet层

register函数

```
Map<String, String[]> map = request.getParameterMap();
User user = new User();
    BeanUtils.populate(user,map);
} catch (IllegalAccessException e) {
    e.printStackTrace();
} catch (InvocationTargetException e) {
    e.printStackTrace();
boolean flag = service.regist(user);
ResultInfo info = new ResultInfo();
if(flag){
    info.setFlag(true);
}else{
    //注册失败
    info.setFlag(false);
    info.setErrorMsg("注册失败!");
ObjectMapper mapper = new ObjectMapper();
String json = mapper.writeValueAsString(info);
//设置 content-type
response.setContentType("application/json;charset=utf-8");
response.getWriter().write(json);
```

service层

regist函数 (注册)

```
public boolean regist(User user) {
    //1.根据用户名查询用户对象
    User u = userDao.findByUsername(user.getUsername());
    //判断 u 是否为 null
    if(u != null){
        //用户名存在,注册失败
        return false;
    }
    //2.保存用户信息
    userDao.save(user);
    return true;
}
```

Dao层 (数据库)

findByUsername函数(查找用户是否存在)

```
private JdbcTemplate template = new JdbcTemplate(JDBCUtils.getDataSource());

1 usage
@Override

public User findByUsername(String username) {

User user = null;

try {

    //1.定义 sql

String sql = "select * from tab_user where username = ?";

    //2.执行 sql BeanPropertyRowMapper将数据库查询结果转换为Java类对象,参数是java类对象

    //这里使用queryForObject是因为queryForObject的返回值是一个对象,而query的返回值是一个List

    user = template.queryForObject(sql, new BeanPropertyRowMapper<User>(User.class),

    username);
} catch (Exception e) {
}

return user;
}
```

save (保存用户信息)

findByUsernameAndPassword (根据用户名和密码查询)

```
public User findByUsernameAndPassword(String username, String password) {
    User user = null;
    try {
        //1.定义 sql
        String sql = "select * from tab_user where username = ? and password = ?";
        //2.执行 sql
        user = template.queryForObject(sql, new BeanPropertyRowMapper<User>(User.class),
        username,password);
    } catch (Exception e) {
    }
}
return user;
}
```

(后加的,了解一下怎么处理多个参数的情况)

前端

校验函数

ajax请求

```
$(function () {
   $("#registerForm").submit(function(){
        if(checkUsername() && checkPassword() && checkEmail())
           //serialize:序列化表单值 格式如-FirstName=Bill&LastName=Gates
           //function是请求成功后的回调函数
           $.post("user/register",$(this).serialize(),function (data)
               if(data.flag)
                   location.href="register_ok.html";
                   $("#errorMsg").html(data.errorMsg);
           });
   });
   $("#username").blur(checkUsername);
   $("#password").blur(checkPassword);
   $("#email").blur(checkEmail);
```