

Code Review Checklist

Review Information:

Name of Reviewer: YangXiaoyu, WangHongdan

Name of Coder: WangQingyun, QiuJin, ChenDishi

File(s) under review: User.java, register.jsp, login.jsp, loginresult.jsp,
logout.jsp

Brief description of change being reviewed:

1. An function called Register() was added on the User.java file, which insert a record of user to user table in the database.
2. An function called Login() was added on the User.java file, which search the database to check whether the username and password is right.
3. Add the register function in the register.jsp.
4. Add the login function in the login.jsp and loginresult.jsp.
5. Add the logout function in the logout.jsp.

Review Notes (problems or decisions):

1. Problem: Bad name of the parameters and the variables.

Decision: Change them to be meaningful and readable so that other coders can understand them easily.

```
public User(String n, String p)
{
    userName = n;
    password = p;
}

//modified by CDS 2010-11-3
public boolean Register(String n, String p, String e,String t)
{
```

```
ResultSet rs = statement1.executeQuery(sql);
```

```
PreparedStatement Pstatement = connection.prepareStatement(sql);
Pstatement.setString(1,n);
Pstatement.setString(2,p);
Pstatement.setString(3,e);
Pstatement.setString(4,t);
Pstatement.executeUpdate();

Pstatement.close();
statement1.close();    // 释放Statement对象
connection.close();    // 关闭到MySQL服务器的连接
rs.close();

return true;
```

2. Problem: The code that used to test are mixed with other code. They may make other coders confused.

Decision: Delete them when test finished.

```
public boolean Register(String n, String p, String e,String t)
{
    String dbName="coci";
    String tableName="user";

    Connection connection = SqlString.connectSql();
    java.sql.Statement statement1=connection.createStatement();

    String sql="SELECT * FROM "+tableName;
    ResultSet rs = statement1.executeQuery(sql);

    while(rs.next()) {
        System.out.println(rs.getString("username"));
    }

    rs = statement1.executeQuery(sql);
    while(rs.next()) {
        if( rs.getString("username").equals(n) )
        {
            return false;
        }
    }
}
```

3. Problem: The coding style is bad. Some lines are too long and some spaces are unnecessary.

Decision: Change one long line to some short lines. Delete the unnecessary spaces.

```
public boolean Register(String n, String p, String e,String t) throws ClassNotFoundException, SQLException
{
    String dbName="coci";
    String tableName="user";

    Connection connection = SqlString.connectSql();
    java.sql.Statement statement1=connection.createStatement();

    String sql="SELECT * FROM "+tableName;
    ResultSet rs = statement1.executeQuery(sql);

    while(rs.next()) {
        System.out.println(rs.getString("username"));
    }

    rs = statement1.executeQuery(sql);
    while(rs.next()) {
        if( rs.getString("username").equals(n) )
        {
            return false;
        }
    }

    sql = "INSERT INTO user(authority,username,password,email,telephone,create_date) VALUES(1,?,?,?,?,now())";
    PreparedStatement PStatement = connection.prepareStatement(sql);
```

4. Problem: No email and telephone checking in the register.jsp.

Decision: Add checkings.

注册

用户名*

密码*

电子邮箱

电话

☒ 我已阅读相关条款

百

首页 最新消息

register successfully

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5. Problem: After successful registering, the page and the state of the user are not updated immediately.

Decision: Add the function to update the page and the state of the user.



6. Problem: The password is exposed to others.

Decision: Change the password input to type "password" so that it appears like

“*****”.



SVN Versions (if applicable):

Before review: COCI4-11-5

After revisions: COCI5-11-9