

Java Robot自动注册程序

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程序环境

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源代码

程序环境

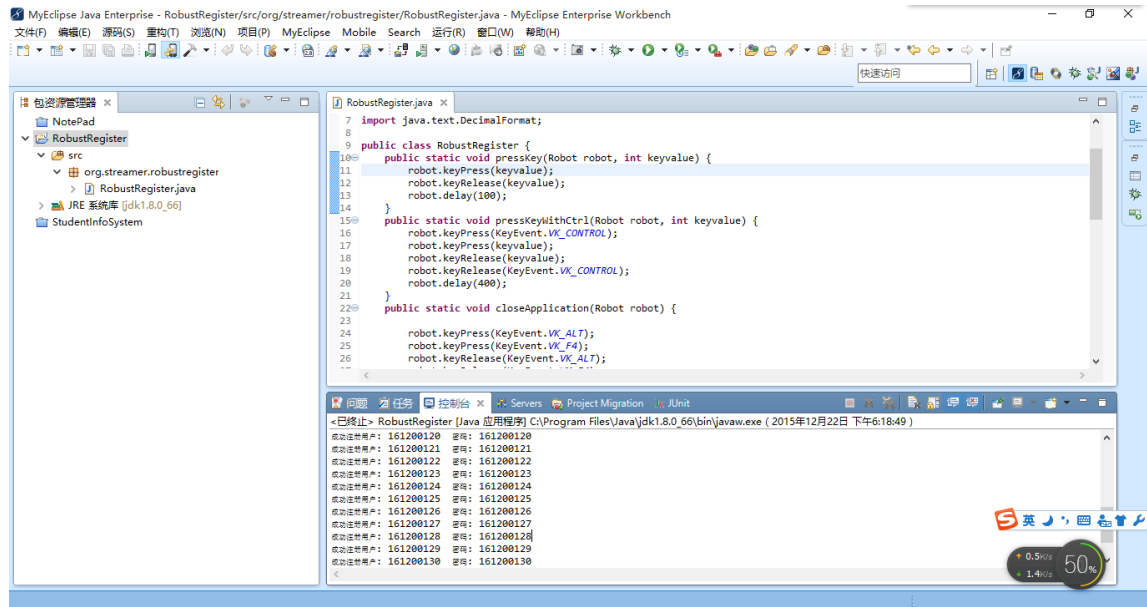
- Java版本 : java1.8_66 64位
- 系统: Windows10专业版
- IDE: MyEclipse2014
- 数据库:MySQL5.6
- 数据库管理工具: MySQLyog
- 待注册的网页 : 基于上一题 [Struts2 学生信息管理系统](#)

功能框架

- **打开浏览器:**
通过 `Runtime.getRuntime().exec("rundll32 url.dll,FileProtocolHandler "+url);` 打开系统默认的浏览器。
- **批量注册:**
通过方法 `fillNamePassword(robot, user);` 循环注册
- **注册编辑框页面切换:**
通过Robot模拟Tab键来向不同的编辑框中敲入数据。

运行截图

注册结果



数据库查看

userId	userName	password
101	161200101	161200101
102	161200102	161200102
103	161200103	161200103
104	161200104	161200104
105	161200105	161200105
106	161200106	161200106
107	161200107	161200107
108	161200108	161200108
109	161200109	161200109
110	161200110	161200110
111	161200111	161200111
112	161200112	161200112
113	161200113	161200113
114	161200114	161200114
115	161200115	161200115
116	161200116	161200116

数据库: db_studentinfo 表格: t_user

源代码

```
package org.streamer.robustregister;

import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.awt.AWTException;
import java.io.IOException;
import java.text.DecimalFormat;

public class RobustRegister {
    public static void pressKey(Robot robot, int keyvalue) {
        robot.keyPress(keyvalue);
        robot.keyRelease(keyvalue);
        robot.delay(100);
    }
    public static void pressKeyWithCtrl(Robot robot, int keyvalue) {
        robot.keyPress(KeyEvent.VK_CONTROL);
        robot.keyPress(keyvalue);
        robot.keyRelease(keyvalue);
        robot.keyRelease(KeyEvent.VK_CONTROL);
        robot.delay(400);
    }
    public static void closeApplication(Robot robot) {

        robot.keyPress(KeyEvent.VK_ALT);
        robot.keyPress(KeyEvent.VK_F4);
        robot.keyRelease(KeyEvent.VK_ALT);
        robot.keyRelease(KeyEvent.VK_F4);
        //for linux.
        // robot.keyPress(KeyEvent.VK_ALT);
        // robot.keyPress(KeyEvent.VK_W);
        // robot.keyRelease(KeyEvent.VK_ALT);
        // robot.keyRelease(KeyEvent.VK_W);
        robot.keyPress(KeyEvent.VK_N);
        robot.keyRelease(KeyEvent.VK_N);
    }

    public static void fillNamePassword(Robot robot,String number){
        //! 切换到用户名处
        robot.keyPress(KeyEvent.VK_TAB);
        robot.keyRelease(KeyEvent.VK_TAB);
        robot.keyPress(KeyEvent.VK_TAB);
        robot.keyRelease(KeyEvent.VK_TAB);
        for (int i=0;i<number.length();i++){
            pressKey(robot, number.charAt(i));
        }

        //! 切换到密码处
        robot.keyPress(KeyEvent.VK_TAB);
        robot.keyRelease(KeyEvent.VK_TAB);
        for (int i=0;i<number.length();i++){
```

```

        pressKey(robot, number.charAt(i));
    }

    robot.delay(200);
    //! 切换到注册处
    robot.keyPress(KeyEvent.VK_TAB);
    robot.keyRelease(KeyEvent.VK_TAB);

    robot.delay(200);
    //! 提交
    robot.keyPress(KeyEvent.VK_ENTER);
    robot.keyRelease(KeyEvent.VK_ENTER);

    robot.delay(2000);
}

public static void main(String[] args) throws IOException {
    try {
        Robot robot = new Robot();
        String url="http://localhost:8080/StudentInfoSystem/register.jsp";

        String base="1612001";
        Runtime.getRuntime().exec("rundll32 url.dll,FileProtocolHandler "+url);
        robot.delay(8000);
        for (int i=1; i<=32;i++){

            Runtime.getRuntime().exec("rundll32 url.dll,FileProtocolHandler "+url);
            robot.delay(2000);
            String numString=new DecimalFormat("00").format(i);
            String user=base+numString;
            fillNamePassword(robot, user);
            System.out.println("成功注册用户: "+user+" 密码: "+user);
            pressKeyWithCtrl(robot, KeyEvent.VK_W);
        }
        closeApplication(robot);
    } catch (AWTException e) {
        e.printStackTrace();
    }
}
}

```