

**中山大学南方学院**

**电气与计算机工程学院**

课程名称： Java程序设计实训

项目名称： 南苑新推

**项目组成员及分工及成绩评定**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **学号** | **姓名** | **专业** | **主要工作** | **课程设计成绩** |
| **182017503** | **彭展英** | **软工** | **队长（算法）** |  |
| **182017649** | **谭景升** | **软工** | **程序员** |  |
| **182017439** | **杨家瑜** | **软工** | **美工** |  |
| **182017293** | **罗俊贤** | **软工** | **数据库** |  |
| **182017581** | **梁毅铭** | **软工** | **网络通信** |  |
| **182017459** | **黎炜烨** | **软工** | **文档** |  |

2019年12月17日

**目 录**

[1 课程设计目的 2](#_Toc27613189)

[2 课程设计题目及要求 2](#_Toc27613190)

[3 课程设计报告内容 3](#_Toc27613191)

[3.1 系统实现方案 3](#_Toc27613192)

[3.2 系统软件介绍 3](#_Toc27613193)

[3.3 系统软件流程 3](#_Toc27613194)

[3.4 首页 5](#_Toc27613195)

[3.5 个人中心 19](#_Toc27613196)

[3.6 新闻界面 20](#_Toc27613197)

[3.7 系统实现 24](#_Toc27613198)

[3.7.1登录注册界面设计 24](#_Toc27613199)

[3.7.2主页及功能界面 25](#_Toc27613200)

[3.7.3 新闻及功能界面 27](#_Toc27613201)

[3.7.4个人中心界面 28](#_Toc27613202)

[3.8 系统软件调试过程 29](#_Toc27613203)

[4总结 29](#_Toc27613204)

[参考文献 30](#_Toc27613205)

# 课程设计目的

1. 掌握Java的基本知识
2. 学习Java语言
3. 提高大家对编程的兴趣
4. 培养小组团队合作的意识

# 课程设计题目及要求

1)用户

* 登录
* 注册
* 收藏功能
* 评论功能
* 点赞功能
* 编辑个人信息功能
* 用户上传新闻功能

2)新闻

* 新闻类型导航：
* 查找新闻：

3)其他部分

* 数据库
* 服务器
* 多线程
* UI美化
* 文档

# 课程设计报告内容

## 系统实现方案

先确立系统功能，确立用户UI，然后搭建模型，建立数据库，逐步实现系统功能，找寻算法实现特殊推送功能。

## 系统软件介绍

实时更新新闻，实现用算法向不同的用户推送新闻。

## 系统软件流程

登录系统

首页

个人中心

**（没有账号）**

新闻界面

注册系统

图1系统软件组成

表1首页

| 用例编号 | 用例名称 | 描述 | 参与者 |
| --- | --- | --- | --- |
| 1.1 | 推荐 | 根据用户的偏好推荐新闻 | 彭展英  谭景升 |
| 1.2 | 新闻分类导航 | 不同分类新闻的导航 | 谭景升 |
| 1.3 | 娱乐 | 娱乐 | 谭景升 |
| 1.4 | 搜索功能 | 搜索用户想查找的新闻 | 谭景升 |
| 1.5 | 发布新闻功能 | 用户可以从这里上传新闻 | 谭景升 |

表2个人中心

| 用例编号 | 用例名称 | 描述 | 参与者 |
| --- | --- | --- | --- |
| 2.1 | 更改头像 | 更改头像 | 谭景升 |
| 2.2 | 收藏 | 查看收藏的新闻 | 谭景升 |
| 2.3 | 阅读浏览 | 查看浏览记录 | 谭景升 |
| 2.4 | 系统设置 | 设置系统的偏好 | 谭景升 |

表3新闻界面

| 用例编号 | 用例名称 | 描述 | 参与者 |
| --- | --- | --- | --- |
| 3.1 | 点赞 | 给新闻点赞 | 谭景升 |
| 3.2 | 收藏 | 收藏新闻 | 谭景升 |
| 3.3 | 评论 | 评论新闻 | 谭景升 |
| 3.4 | 查看评论 | 查看该新闻下的评论 | 谭景升 |
| 3.5 | 关注用户 | 关注别的用户 | 谭景升 |

## 首页

#### 3.4.1例图

发布新闻功能

搜索功能

财经

美食

体育

音乐

娱乐

军事

娱乐

新闻分类导航

推荐

首页

图2系统软件组成—首页

#### 3.4.2关键代码

|  |
| --- |
| **登录：** |
| **private** **void** jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  String name = **this**.jTextField1.getText();  **if** (name == **null**) {  **throw** **new** Exception("账号不能为空");  }  **int** number = Integer.*parseInt*(name);  String password = **this**.jPasswordField1.~~getText~~();  User u = **new** User();  u = u.login(number, password);  JOptionPane.*showMessageDialog*(**this**, "登录成功");  **if** (u == **null**) {  JOptionPane.*showMessageDialog*(**this**, "登录失败");  }  **this**.dispose();  **new** mian(u).setVisible(**true**);  } **catch** (Exception e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }} |

|  |
| --- |
| **注册：** |
| **private** **void** jButton1ActionPerformed(java.awt.event.ActionEvent evt)  **throws** Exception {  String name = **this**.jTextField1.getText();  String sql = "select \*from user where number ='" + name + "'";  ResultSet rs1 = DataConnect.*getStat*().executeQuery(sql);  **if** (rs1.next()) {  JOptionPane.*showMessageDialog*(**null**, "账号已注册", **null**,  JOptionPane.*ERROR\_MESSAGE*);  **throw** **new** Exception("账号已注册");  }  **if** (name.equals("")) {  JOptionPane.*showMessageDialog*(**null**, "账号不能为空", **null**,  JOptionPane.*ERROR\_MESSAGE*);  }  **int** number = Integer.*parseInt*(name);  String password1 = **this**.jPasswordField1.~~getText~~();  String password2 = **this**.jPasswordField2.~~getText~~();  **if** (password1.equals("") || password2.equals("")) {  JOptionPane.*showMessageDialog*(**null**, "输入错误", **null**,  JOptionPane.*ERROR\_MESSAGE*);  **throw** **new** Exception("输入错误");  } **else** **if** (!password1.equals(password2)) {  JOptionPane.*showMessageDialog*(**null**, "两次输入的密码不一致", **null**,  JOptionPane.*ERROR\_MESSAGE*);  **throw** **new** Exception("两次输入的密码不一致");  }  User u=**new** User();  u.register(number, password1);  JOptionPane.*showMessageDialog*(**this**, "注册成功");  **new** login().setVisible(**true**);  **this**.dispose();  } |

|  |
| --- |
| **协同过滤算法：** |
| **try** {  ArrayList<Record> users = **new** ArrayList<Record>();  ArrayList<News> useru = **new** ArrayList<News>();  ArrayList<Record> usere = **new** ArrayList<Record>();  ArrayList<oo> userx = **new** ArrayList<oo>();  ArrayList te = **new** ArrayList();  String A = "娱乐";  String B = "军事";  String C = "音乐";  String D = "体育";  String E = "美食";  String F = "财经";  String sql = "select \* from record where style like '%" + A + "%'";//获取关于用户这类喜爱的用户的历史记录  ResultSet rs = DataConnect.getStat().executeQuery(sql);  **while** (rs.next()) {  users.add(**new** Record(rs.getInt(1), rs.getInt(2), rs  .getString(3), rs.getInt(4), rs.getString(5), rs  .getString(6), rs.getString(7)));  **if** (rs.getString(7).equals("娱乐")) {  a++;  }  **if** (rs.getString(7).equals("军事")) {  b++;  }  **if** (rs.getString(7).equals("音乐")) {  c++;  }  **if** (rs.getString(7).equals("体育")) {  d++;  }  **if** (rs.getString(7).equals("美食")) {  e++;  }  **if** (rs.getString(7).equals("财经")) {  f++;  }  }  System.*out*.println("" + a);  System.*out*.println("" + b);  System.*out*.println("" + c);  System.*out*.println("" + d);  System.*out*.println("" + e);  System.*out*.println("" + f);  **int**[] arr = { a, b, c, d, e, f };  **for** (**int** i = 0; i < arr.length - 1; i++) {  **for** (**int** j = 0; j < arr.length - i - 1; j++) {  **if** (arr[j] < arr[j + 1]) {  **int** p = arr[j];//利用冒泡排序法从大到小排序  arr[j] = arr[j + 1];  arr[j + 1] = p;  }  }  }  **for** (**int** i = 0; i < arr.length; i++) {  **if** (arr[i] == a) {  System.*out*.print("娱乐\n");  String sql2 = "insert into oo (style) values ('" + B + "')";//存进辅助表里  DataConnect.getStat().executeUpdate(sql2);  }  **if** (arr[i] == b) {  System.*out*.print("军事\n");  String sql3 = "insert into oo (style) values ('" + C + "')";  DataConnect.getStat().executeUpdate(sql3);  }  **if** (arr[i] == c) {  System.*out*.print("音乐\n");  String sql4 = "insert into oo (style) values ('" + D + "')";  DataConnect.getStat().executeUpdate(sql4);  }  **if** (arr[i] == d) {  System.*out*.print("体育\n");  String sql11 = "insert into oo (style) values ('" + D  + "')";  DataConnect.getStat().executeUpdate(sql11);  }  **if** (arr[i] == e) {  System.*out*.print("美食\n");  String sql12 = "insert into oo (style) values ('" + D  + "')";  DataConnect.getStat().executeUpdate(sql12);  }  **if** (arr[i] == f) {  System.*out*.print("财经\n");  String sql13 = "insert into oo (style) values ('" + D  + "')";  DataConnect.getStat().executeUpdate(sql13);  }  }  String xm = **null**;  String sql1 = "select \* from oo";  ResultSet rs1 = DataConnect.getStat().executeQuery(sql1);  **while** (rs1.next()) {  userx.add(**new** oo(rs1.getString(1)));//首个从表里取出的类型是数量最多的  System.*out*.print("" + rs1.getString(1));  **break**;  }  System.*out*.println("推荐电影类型为:" + rs1.getString(1));    String sql5 = "select \* from record where style like '%" + h + "%'";//获取用户的历史记录  ResultSet rs5 = DataConnect.getStat1().executeQuery(sql5);  **while** (rs5.next()) {  usere.add(**new** Record(rs5.getInt(1), rs5.getInt(2), rs5  .getString(3), rs5.getInt(4), rs5.getString(5), rs5  .getString(6), rs5.getString(7)));  te.add(rs5.getInt(4));  }  **boolean** b1 = **true**;  String sql6 = "select \* from news where style like '%"  + rs1.getString(1) + "%'";//获取关于这类的新闻  ResultSet rs6 = DataConnect.getStat().executeQuery(sql6);  **while** (rs6.next()) {  useru.add(**new** News(rs6.getInt(1), rs6.getString(2), rs6  .getString(3), rs6.getString(4), rs6.getString(5), rs6  .getString(6), rs6.getInt(7)));  **if** (te.contains(rs6.getInt(1)) == b1) {//判断用户历史记录是否存在该新闻  } **else** {  System.*out*.println("推荐电影id为：" + rs6.getInt(1));  **break**;  }  }  String sql7 = "delete from oo";  DataConnect.getStat().executeUpdate(sql7);  String sql14 = "select \*from news";  ResultSet rs14 = DataConnect.getStat().executeQuery(sql14);  **int** l = 0;  **while** (rs14.next()) {  n.add(**new** News(rs14.getInt(1), rs14.getString(2), rs14  .getString(3), rs14.getString(4), rs14.getString(5),  rs14.getString(6), rs14.getInt(7)));  l++;  **if**(rs14.getInt(1)==rs6.getInt(1)){  **break**;  }    }  k = l-1;    Object ob[][] = **new** Object[n.size()][3];  ob[k][0] = n.get(k).getTitle();  ob[k][1] = n.get(k).getDetail();  ob[k][2] = n.get(k).getUsername();  ob[k][2] = n.get(k).getTime();    } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } |

|  |
| --- |
| **搜索功能：** |
| **private** **void** jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  **this**.jButton3.setHorizontalAlignment(JButton.*LEFT*);  **this**.jButton4.setHorizontalAlignment(JButton.*LEFT*);  **this**.jButton5.setHorizontalAlignment(JButton.*LEFT*);  **this**.jButton6.setHorizontalAlignment(JButton.*LEFT*);  init1();  String title = **this**.jTextField1.getText();  ArrayList<News> n =u.searchnews(title);  **this**.jPanel1.setVisible(**true**);  String t = n.get(0).getTitle();  **if** (t.length() > 30) {  String t1 = t.substring(0, 30) + "...";  **this**.jButton3.setText(t1);  } **else**  **this**.jButton3.setText(t);  String dd = n.get(0).getDetail();  String dd1 = dd.substring(0, 31);  **this**.jLabel1.setText(dd1);  **if** (dd.length() > 62) {  String dd2 = dd.substring(31, 62)+"...";  **this**.jLabel2.setText(dd2);  }**else**{  String dd2 = dd.substring(31, dd.length());  **this**.jLabel2.setText(dd2);  }  **if** (n.size() >= 2) {  **this**.jPanel2.setVisible(**true**);  String tt = n.get(1).getTitle();  **if** (tt.length() > 30) {  String tt1 = tt.substring(0, 30) + "...";  **this**.jButton4.setText(tt1);  } **else**  **this**.jButton4.setText(tt);  String dl = n.get(1).getDetail();  String dl1 = dl.substring(0, 31);  **this**.jLabel3.setText(dl1);  **if** (dl.length() > 62) {  String dl2 = dl.substring(31,62)+"...";  **this**.jLabel4.setText(dl2);  }**else**{  String dl2 = dl.substring(31, dl.length());  **this**.jLabel4.setText(dl2);  }  } **else** {  **this**.jPanel2.setVisible(**false**);  }  **if** (n.size() >= 3) {  **this**.jPanel4.setVisible(**true**);  String tt = n.get(2).getTitle();  **if** (tt.length() > 30) {  String tt1 = tt.substring(0, 30) + "...";  **this**.jButton5.setText(tt1);  } **else**  **this**.jButton5.setText(tt);  String dl = n.get(2).getDetail();  String dl1 = dl.substring(0, 31);  **this**.jLabel5.setText(dl1);  **if** (dl.length() > 62) {  String dl2 = dl.substring(31,62)+"...";  **this**.jLabel6.setText(dl2);  }**else**{  String dl2 = dl.substring(31, dl.length());  **this**.jLabel6.setText(dl2);  }  } **else** {  **this**.jPanel4.setVisible(**false**);  }  **if** (n.size() >= 4) {  **this**.jPanel5.setVisible(**true**);  String tt = n.get(3).getTitle();  **if** (tt.length() > 30) {  String tt1 = tt.substring(0, 30) + "...";  **this**.jButton6.setText(tt1);  } **else**  **this**.jButton6.setText(tt);  String dl = n.get(3).getDetail();  String dl1 = dl.substring(0, 31);  **this**.jLabel7.setText(dl1);  **if** (dl.length() > 62) {  String dl2 = dl.substring(31,62)+"...";  **this**.jLabel8.setText(dl2);  }**else**{  String dl2 = dl.substring(31, dl.length());  **this**.jLabel8.setText(dl2);  }  } **else** {  **this**.jPanel5.setVisible(**false**);  }  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  } |

|  |
| --- |
| **关注推荐算法：** |
| import java.sql.Date;  import java.sql.ResultSet;  import java.sql.SQLException;  import java.util.ArrayList;  import java.util.Calendar;  import java.util.List;  public class sf1 {  static List user=new ArrayList();  static List user1=new ArrayList();  static List user2=new ArrayList();  static List user3=new ArrayList();  static boolean b1=true;  static int i=0;  public static void main(String args[]) throws SQLException, ClassNotFoundException {    String sql="select \* from guangzhu";  ResultSet rs = connext.getStat().executeQuery(sql);//获取用户的关注id  Date dateArr[]= new Date[1000];  while(rs.next()){  user.add(new oo(rs.getString(1)));  String sql1 = "select \* from lsju where love like '%"+rs.getString(1)+"%'";//查找用户关注id的作品  ResultSet rs1 = connext.getStat().executeQuery(sql1);  while(rs.next()){  user1.add(new oo(rs.getString(1)));    }  }  String sql2 = "select \* from lsju";  ResultSet rs2 = connext.getStat().executeQuery(sql2);//获取用户的历史记录  while(rs2.next()){  user2.add(new oo(rs2.getString(1)));  if(user1.contains(rs2.getString(1))==b1){    }else{  String sql3 = "select \* from lsju where love like '%"+rs.getString(1)+"%'";  ResultSet rs3 = connext.getStat().executeQuery(sql3);  while(rs3.next()){  user3.add(new ii(rs3.getDate(1)));  dateArr[i]=rs3.getDate(1);  i++;  }  }    }    java.util.Date nowDate=Calendar.getInstance().getTime();//获取当前时间;  long min=nowDate.getTime()-dateArr[0].getTime();  int a=0;  for(int i=0;i<1000;i++){  if(dateArr[i]==null){  break;  }  else{  long di=nowDate.getTime()-dateArr[i].getTime();  if(di<=min){  a=i;  }  }  }  Date minDate=dateArr[a];  String sql3 = "select \* from lsju where love like '%"+dateArr[a]+"%'";  ResultSet rs3 = connext.getStat().executeQuery(sql3);  }  } |

|  |
| --- |
| **搜索界面热搜词导航：** |
| **private** **void** jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  String title = **this**.jTextField1.getText();  ArrayList<News> news =u.searchnews(title);  **new** newsView(u, news.get(0)).setVisible(**true**);  }**catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  } |

|  |
| --- |
| **上传新闻功能：** |
| **private** **void** jButton6ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  String title = **this**.jTextField1.getText();  String detail = **this**.jTextArea1.getText();  **int** nid;  Date dd = **new** Date();  SimpleDateFormat sim = **new** SimpleDateFormat("yyyy-MM-dd HH:mm:ss");  String time = sim.format(dd);  **if** (title.equals("") || detail.equals("")) {  JOptionPane.*showMessageDialog*(**null**, "标题或内容为空", **null**,  JOptionPane.*ERROR\_MESSAGE*);  **throw** **new** Exception("标题或内容为空");  }  **if** (**this**.jComboBox1.getSelectedItem().equals("娱乐")) {  nid = 10000 + u.confirmNid("娱乐");  u.uploadnews(nid, title, "娱乐", time, detail, u.getUsername());  **if** (**this**.jComboBox1.getSelectedItem().equals("军事")) {  nid = 20000 + u.confirmNid("军事");  u.uploadnews(nid, title, "军事", time, detail, u  .getUsername());  JOptionPane.*showMessageDialog*(**this**, "上传成功");  }  **if** (**this**.jComboBox1.getSelectedItem().equals("音乐")) {  nid = 30000 + u.confirmNid("音乐");  u.uploadnews(nid, title, "音乐", time, detail, u  .getUsername());  JOptionPane.*showMessageDialog*(**this**, "上传成功");  }  **if** (**this**.jComboBox1.getSelectedItem().equals("体育")) {  nid = 40000 + u.confirmNid("体育");  u.uploadnews(nid, title, "体育", time, detail, u  .getUsername());  JOptionPane.*showMessageDialog*(**this**, "上传成功");  }  **if** (**this**.jComboBox1.getSelectedItem().equals("财经")) {  nid = 50000 + u.confirmNid("财经");  u.uploadnews(nid, title, "财经", time, detail, u  .getUsername());  JOptionPane.*showMessageDialog*(**this**, "上传成功");  }  **if** (**this**.jComboBox1.getSelectedItem().equals("美食")) {  nid = 60000 + u.confirmNid("美食");  u.uploadnews(nid, title, "美食", time, detail, u  .getUsername());  JOptionPane.*showMessageDialog*(**this**, "上传成功");  }  }  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (Exception e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  JOptionPane.*showMessageDialog*(**this**, "上传成功");  } |

|  |
| --- |
| **上传新闻-图片上传：** |
| **private** **void** jButton4ActionPerformed(java.awt.event.ActionEvent evt) {  newsimg.clear();  JFileChooser jfc = **new** JFileChooser();  jfc.setFileSelectionMode(JFileChooser.*FILES\_AND\_DIRECTORIES*);  jfc.showDialog(**new** JLabel(), "选择");  File file = jfc.getSelectedFile();  pasePath(file.getAbsolutePath());  **if** (newsimg.size() > 0) {  ImageIcon icon = **new** ImageIcon(newsimg.get(0).getImgaddress());  icon.setImage(icon.getImage().getScaledInstance(  **this**.jLabel3.getWidth(), **this**.jLabel3.getHeight(),  icon.getImage().*SCALE\_DEFAULT*));  **this**.jLabel3.setIcon(icon);  }  **if** (newsimg.size() > 1) {  ImageIcon icon = **new** ImageIcon(newsimg.get(1).getImgaddress());  icon.setImage(icon.getImage().getScaledInstance(  **this**.jLabel4.getWidth(), **this**.jLabel4.getHeight(),  icon.getImage().*SCALE\_DEFAULT*));  **this**.jLabel4.setIcon(icon);  }  **if** (newsimg.size() > 2) {  ImageIcon icon = **new** ImageIcon(newsimg.get(2).getImgaddress());  icon.setImage(icon.getImage().getScaledInstance(  **this**.jLabel5.getWidth(), **this**.jLabel5.getHeight(),  icon.getImage().*SCALE\_DEFAULT*));  **this**.jLabel5.setIcon(icon);  }  **if** (newsimg.size() > 3) {  ImageIcon icon = **new** ImageIcon(newsimg.get(3).getImgaddress());  icon.setImage(icon.getImage().getScaledInstance(  **this**.jLabel6.getWidth(), **this**.jLabel6.getHeight(),  icon.getImage().*SCALE\_DEFAULT*));  **this**.jLabel6.setIcon(icon);  }  **if** (newsimg.size() > 4) {  ImageIcon icon = **new** ImageIcon(newsimg.get(4).getImgaddress());  icon.setImage(icon.getImage().getScaledInstance(  **this**.jLabel7.getWidth(), **this**.jLabel7.getHeight(),  icon.getImage().*SCALE\_DEFAULT*));  **this**.jLabel7.setIcon(icon);  }  } |

|  |
| --- |
| **新闻分类导航（娱乐）：** |
| **private** **void** jButton8ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  **this**.jTabbedPane1.remove(**this**.jPanel1);  **this**.jTabbedPane1.add(**this**.jPanel1);  **this**.jPanel1.setName("娱乐");  ArrayList<News> n = stylenews("娱乐");  showstylenews(n);  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  } |

## 个人中心

#### 3.5.1例图

个人中心

阅读浏览

收藏

系统设置

更改头像

移除收藏

查看收藏新闻

图3系统软件组成—个人中心

#### 3.5.2关键代码

|  |
| --- |
| **更改头像：** |
| **private** **void** jButton6ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  JFileChooser jfc = **new** JFileChooser();  jfc.showOpenDialog(**this**);  File f = jfc.getSelectedFile();  String opath = jfc.getSelectedFile().getAbsolutePath();  String npath = opath.replace('\\', '/');  String sql = "update user set imgaddress ='" + npath  + "' where uid=" + u.getId();  DataConnect.*getStat*().executeUpdate(sql);  ImageIcon icon = **new** ImageIcon(npath);  Image temp = icon.getImage().getScaledInstance(150, 150,  icon.getImage().*SCALE\_DEFAULT*);  icon = **new** ImageIcon(temp);  **this**.jLabel1.setIcon(icon);  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  } |

|  |
| --- |
| **删除浏览记录：** |
| **private** **void** jButton1ActionPerformed(java.awt.event.ActionEvent evt)  **throws** SQLException, ClassNotFoundException {  **int** num = JOptionPane.*showConfirmDialog*(**null**, "是否删除记录?", **null**,  JOptionPane.*YES\_NO\_OPTION*);  **if** (num == 0) {  u.deleterecord(u.getId());  getrecord(u.getId());  }  } |

|  |
| --- |
| **移除收藏：** |
| **private** **void** jButton1ActionPerformed(java.awt.event.ActionEvent evt)  **throws** SQLException, ClassNotFoundException {  **int** num = JOptionPane.*showConfirmDialog*(**null**, "是否删除自己所有收藏?", **null**,  JOptionPane.*YES\_NO\_OPTION*);  **if** (num == 0) {  u.deletecollection(u.getId());  getcollect(u.getId());  }  } |

## 新闻界面

#### 3.6.1例图

新闻界面

点赞

收藏

关注用户

点赞

收藏

评论

查看评论

评论

图4系统软件组成—新闻界面

#### 3.6.2关键代码

|  |
| --- |
| **收藏：** |
| **private** **void** jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  **int** num = u.checkcollect(n.getNid(), u.getId());  **if** (num == 0) {  Date dd = **new** Date();  SimpleDateFormat sim = **new** SimpleDateFormat(  "yyyy-MM-dd HH:mm:ss");  String time = sim.format(dd);  u.collect(u.getId(), n.getNid(), n.getTitle(), time);  **this**.jButton3.setIcon(**new** javax.swing.ImageIcon(getClass().getResource(  "/img/10.png")));  } **else** {  u.deletecollect(n.getNid(), u.getId());  **this**.jButton3.setIcon(**new** javax.swing.ImageIcon(getClass().getResource(  "/img/30.png")));  }  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  } |

|  |
| --- |
| **点赞：** |
| **private** **void** jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  **int** like = u.renew(n.getNid());//获取新闻点赞数  **int** i = u.checknews\_dz(n.getNid(), u.getId());  **if** (i == 0) {  u.addnews\_dz(n.getNid(), u.getId());  like++;  **this**.jButton1.setIcon(**new** javax.swing.ImageIcon(getClass().getResource(  "/img/12.png")));  } **else** {  like--;  u.deletenews\_dz(n.getNid(), u.getId());  **this**.jButton1.setIcon(**new** javax.swing.ImageIcon(getClass().getResource(  "/img/29.png")));  }  u.changenewslike(n.getNid(), like);  **this**.jLabel1.setText(like + "");  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  } |

|  |
| --- |
| **评论：** |
| **private** **void** jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  String detail = **this**.jTextField1.getText();  **if** (detail == **null**) {  JOptionPane.*showMessageDialog*(**this**, "请输入文字");  **throw** **new** Exception("文本框不能为空");  }  u.comment(n.getNid(), u.getId(), detail);  view();  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (Exception e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  } |

|  |
| --- |
| **给评论点赞：** |
| **private** **void** jButton5ActionPerformed(java.awt.event.ActionEvent evt) {  **try** {  ArrayList<Comment> c = u.newscommentView(n.getNid());  **int** like = c.get(2).getLikes();  **int** i = u.checkcomment\_dz(c.get(2).getId(), u.getId());  **if** (i == 0) {  u.addcomment\_dz(c.get(2).getId(), u.getId());  like++;  **this**.jButton5.setIcon(**new** javax.swing.ImageIcon(getClass()  .getResource("/img/12.png")));  } **else** {  like--;  u.deletecomment\_dz(c.get(2).getId(), u.getId());  **this**.jButton5.setIcon(**new** javax.swing.ImageIcon(getClass()  .getResource("/img/29.png")));  }  u.changecommentlike(c.get(2).getId(), like);  **this**.jLabel11.setText(like + "");  } **catch** (SQLException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  } **catch** (ClassNotFoundException e) {  // **TODO** Auto-generated catch block  e.printStackTrace();  }  } |

## 系统实现

### 3.7.1登录注册界面设计

|  |
| --- |
| 8dd55fccc00664b9baf9d910641cba7 |

图3.7.1-1登陆界面

|  |
| --- |
|  |

图3.7.1-2 注册界面

|  |
| --- |
|  |

图3.7.1-3等待载入界面

### 3.7.2主页及功能界面

|  |
| --- |
|  |

图3.7.2-1首页

|  |
| --- |
|  |

图3.7.2-2首页导航界面

|  |
| --- |
|  |

图3.7.2-3搜索页面

|  |
| --- |
|  |

图3.7.2-4 发布新闻界面

### 3.7.3 新闻及功能界面

|  |
| --- |
|  |

图3.7.3-1 新闻界面

|  |
| --- |
|  |

图3.7.3-2 查看评论界面

### 3.7.4个人中心界面

|  |
| --- |
|  |

图3.7.4-1用户界面

|  |
| --- |
|  |

图3.7.4-1用户收藏界面

## 系统软件调试过程

1. 模糊搜索功能一步到位
2. 新闻推送算法多次修改调试完成
3. 刷新功能出现刷新重复新闻的bug，修改调试后修复。
4. 刷新后出现新闻标题与正文不符的bug，修改调试后修复
5. 补充缺少的图片上传功能

# 4总结

本次综合实验进展相对顺利，每个队员都投入大量的精力与时间来完成本次的程序设计。中途也遇到实现新闻推送的难题，在用户UI上也不断讨论如何美化改进。但是，在我们不断查阅资料，询问老师后，再结合已学的知识，也尽可能地解决了问题。在解决这些问题的同时，也收获到新的知识，尽管还只是比较粗略的认识。最后，感谢温老师的帮助与指导。

# 参考文献

[1] 刘韬，楼兴华.SQL Server2000 数据库系统开发实例导航. 北京:人民邮电出版社，2004.

[2] 丁宝康，董健全. 数据库实验教程. 北京：清华大学出版社， 2003

[3] Michele Leroux Bustamants.Secure your ASP.NET Apps and WCF services with Windows CardSpace. MSDN Magazine,April 2007.