JAVA源程序

**import** javax.swing.\*;

**import** java.io.\*;

**import** java.util.\*;

**import** java.awt.\*;

**import** java.awt.event.\*;

**public** **class** FinancialManager **extends** JFrame **implements** ActionListener{

ImageIcon background = **new** ImageIcon("yatyousystem\\bg3.jpg");/////////////////////////////////////////

JPanel imagePanel;

JButton add = **new** JButton("添加记录");

JButton read = **new** JButton("查看记录");

JButton delete = **new** JButton("删除记录");

JButton about = **new** JButton("关于作者");

**public** FinancialManager(){

JLabel label = **new** JLabel(background); // 把背景图片显示在一个标签里面

label.setBounds(0, 0, background.getIconWidth(), background.getIconHeight()); // 把标签的大小位置设置为图片刚好填充整个面板

imagePanel = (JPanel)getContentPane(); // 把内容窗格转化为JPanel，否则不能用方法setOpaque()来使内容窗格透明

imagePanel.setOpaque(**false**);

imagePanel.setLayout(**null**);

getLayeredPane().setLayout(**null**);

getLayeredPane().add(label, **new** Integer(Integer.*MIN\_VALUE*)); // 把背景图片添加到分层窗格的最底层作为背景

setSize(background.getIconWidth(), background.getIconHeight() + 20);

Image icon = Toolkit.*getDefaultToolkit*().getImage("yatyousystem\\ico.jpg"); //////// //修改左上角图标（建议为16\*16）

setIconImage(icon);

setVisible(**true**);

setResizable(**false**);

setLocation(400,120);

setTitle("个人财务管理系统V1.0");

setDefaultCloseOperation(3);

read.setSize(100,40); read.setLocation(113,50);

add.setSize(100,40); add.setLocation(113,150);

delete.setSize(100,40); delete.setLocation(113,250);

about.setSize(100,40); about.setLocation(113, 350);

imagePanel.add(read);

imagePanel.add(add);

imagePanel.add(delete);

imagePanel.add(about);

read.addActionListener(**this**);

add.addActionListener(**this**);

delete.addActionListener(**this**);

about.addActionListener(**this**);

}

**public** **void** actionPerformed(ActionEvent e){

**if**(e.getSource() == read){

**new** Read();

}

**else** **if**(e.getSource() == add){

**new** Add();

}

**else** **if**(e.getSource() == delete){

**new** Delete();

}

**else** **if**(e.getSource() == about){

JOptionPane.*showMessageDialog*(**null**, "QQ：1143645820\n芳芳\n此版本为1.0版", "关于作者", JOptionPane.*PLAIN\_MESSAGE*);

}

}

**public** **static** **void** main(String[] args){

**new** FinancialManager();

}

}

**class** Add **extends** JFrame **implements** ActionListener{

ImageIcon background = **new** ImageIcon("yatyousystem\\bg1.jpg");

JPanel imagePanel;

JButton add = **new** JButton("添加");

JButton reset = **new** JButton("重置");

JLabel name = **new** JLabel("消费事项");

JLabel cost = **new** JLabel("消费金额(单位：元)");

JLabel n = **new** JLabel("年");

JLabel y = **new** JLabel("月");

JLabel r = **new** JLabel("日");

JTextField t1 = **new** JTextField();

JTextField t2 = **new** JTextField();

JTextField year = **new** JTextField();

JTextField month = **new** JTextField();

JTextField day = **new** JTextField();

**public** Add(){

JLabel label = **new** JLabel(background); // 把背景图片显示在一个标签里面

label.setBounds(0, 0, background.getIconWidth(), background.getIconHeight()); // 把标签的大小位置设置为图片刚好填充整个面板

imagePanel = (JPanel)getContentPane(); // 把内容窗格转化为JPanel，否则不能用方法setOpaque()来使内容窗格透明

imagePanel.setOpaque(**false**);

imagePanel.setLayout(**null**);

getLayeredPane().setLayout(**null**);

getLayeredPane().add(label, **new** Integer(Integer.*MIN\_VALUE*)); // 把背景图片添加到分层窗格的最底层作为背景

setSize(background.getIconWidth(), background.getIconHeight() + 20);

Image icon = Toolkit.*getDefaultToolkit*().getImage("yatyousystem\\ico.jpg"); //修改左上角图标（建议为16\*16）

setIconImage(icon);

setVisible(**true**);

setResizable(**false**);

setLocation(650,200);

setTitle("个人财务管理系统添加记录");

year.setSize(40, 23); year.setLocation(75, 20);

imagePanel.add(year);

n.setSize(20,23); n.setLocation(115, 20);

imagePanel.add(n);

month.setSize(40, 23); month.setLocation(135, 20);

imagePanel.add(month);

y.setSize(20,23); y.setLocation(175, 20);

imagePanel.add(y);

day.setSize(40, 23); day.setLocation(195, 20);

imagePanel.add(day);

r.setSize(20,23); r.setLocation(235,20);

imagePanel.add(r);

name.setSize(80,35); name.setLocation(60, 65);

cost.setSize(130,35); cost.setLocation(175, 65);

imagePanel.add(name);

imagePanel.add(cost);

t1.setSize(135, 23); t1.setLocation(28, 110);

t2.setSize(135, 23); t2.setLocation(180, 110);

imagePanel.add(t1);

imagePanel.add(t2);

add.setSize(80, 35); add.setLocation(50, 150);

reset.setSize(80, 35); reset.setLocation(220, 150);

imagePanel.add(add);

imagePanel.add(reset);

add.addActionListener(**this**);

reset.addActionListener(**this**);

}

**public** **void** actionPerformed(ActionEvent e){

**if**(e.getSource() == add){

//判断输入是否正确

**try**{

**if**(Integer.*parseInt*(year.getText()) > 2050 || Integer.*parseInt*(year.getText()) < 2010){

JOptionPane.*showMessageDialog*(**null**, "你输入的年份有误，范围:2010~2050");

**return**;

}

**else** **if**(Integer.*parseInt*(month.getText()) > 12 || Integer.*parseInt*(month.getText()) < 1){

JOptionPane.*showMessageDialog*(**null**, "你输入的月份有误，范围:1~12");

**return**;

}

**else** **if**(Integer.*parseInt*(day.getText()) > 31 || Integer.*parseInt*(day.getText()) < 1){

JOptionPane.*showMessageDialog*(**null**, "你输入的日子有误，范围:1~31");

**return**;

}

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "日期处请输入阿拉伯数字");**return**;}

**if**(t1.getText().equals("")) {

JOptionPane.*showMessageDialog*(**null**, "花费事项处不能为空");

**return**;

}

**try**{

**double** number = Double.*parseDouble*(t2.getText());

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "花费金额处请正确填写阿拉伯数字");**return**;}

File d = **new** File("yatyousystem\\record\\"+year.getText()+"\\"+month.getText()+"\\"+day.getText());

**if** ( !d.exists()) d.mkdirs();

File f = **new** File(d, "things");

**if** (!f.exists()){

**try**{

f.createNewFile();

}**catch**(Exception ee){}

}

File g = **new** File(d, "cost");

**if**(!g.exists()){

**try**{

g.createNewFile();

}**catch**(Exception ee){}

}

**try**{

RandomAccessFile ff = **new** RandomAccessFile(f, "rw");

ff.seek(ff.length());

ff.write( (t1.getText()+"#").getBytes() );

ff.close();

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "添加失败，代码001"); **return**;}

**try**{

RandomAccessFile gg = **new** RandomAccessFile(g, "rw");

gg.seek(gg.length());

gg.write( (t2.getText()+"#").getBytes() );

gg.close();

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "添加失败，代码002"); **return**;}

JOptionPane.*showMessageDialog*(**null**, "添加成功！");

}

**else**{

t1.setText("");

t2.setText("");

}

}

}

**class** Read **extends** JFrame **implements** ActionListener{

ImageIcon background = **new** ImageIcon("yatyousystem\\bg2.jpg");

JPanel imagePanel;

JLabel n = **new** JLabel("年");

JLabel y = **new** JLabel("月");

JLabel r = **new** JLabel("日");

JTextField year = **new** JTextField();

JTextField month = **new** JTextField();

JTextField day = **new** JTextField();

JButton b1 = **new** JButton("按日查");

JButton b2 = **new** JButton("按月查");

JButton b3 = **new** JButton("按年查");

JButton clear = **new** JButton("清除信息");

JLabel tip = **new** JLabel("注:有更详细信息");

JLabel t1 = **new** JLabel("今天花费?元");

JLabel t2 = **new** JLabel("这月花费?元");

JLabel t3 = **new** JLabel("今年花费?元");

**public** Read(){

JLabel label = **new** JLabel(background); // 把背景图片显示在一个标签里面

label.setBounds(0, 0, background.getIconWidth(), background.getIconHeight()); // 把标签的大小位置设置为图片刚好填充整个面板

imagePanel = (JPanel)getContentPane(); // 把内容窗格转化为JPanel，否则不能用方法setOpaque()来使内容窗格透明

imagePanel.setOpaque(**false**);

imagePanel.setLayout(**null**);

getLayeredPane().setLayout(**null**);

getLayeredPane().add(label, **new** Integer(Integer.*MIN\_VALUE*)); // 把背景图片添加到分层窗格的最底层作为背景

setSize(background.getIconWidth(), background.getIconHeight() + 20);

Image icon = Toolkit.*getDefaultToolkit*().getImage("yatyousystem\\ico.jpg"); //修改左上角图标（建议为16\*16）

setIconImage(icon);

setVisible(**true**);

setResizable(**false**);

setLocation(650,200);

setTitle("个人财务管理系统查看记录");

year.setSize(40, 23); year.setLocation(0, 20);

imagePanel.add(year);

n.setSize(20,23); n.setLocation(40, 20);

imagePanel.add(n);

month.setSize(40, 23); month.setLocation(60, 20);

imagePanel.add(month);

y.setSize(20,23); y.setLocation(100, 20);

imagePanel.add(y);

day.setSize(40, 23); day.setLocation(120, 20);

imagePanel.add(day);

r.setSize(20,23); r.setLocation(160,20);

imagePanel.add(r);

b1.setSize(80, 25); b1.setLocation(0, 50);

b2.setSize(80, 25); b2.setLocation(0, 80);

b3.setSize(80, 25); b3.setLocation(0, 110);

clear.setSize(95, 50); clear.setLocation(80,80);

imagePanel.add(b1);

imagePanel.add(b2);

imagePanel.add(b3);

imagePanel.add(clear);

b1.addActionListener(**this**);

b2.addActionListener(**this**);

b3.addActionListener(**this**);

clear.addActionListener(**this**);

tip.setSize(95, 25); tip.setLocation(80, 50);

imagePanel.add(tip);

t1.setSize(175,25); t1.setLocation(0, 130);

t2.setSize(175,25); t2.setLocation(0, 155);

t3.setSize(175,25); t3.setLocation(0, 180);

imagePanel.add(t1);

imagePanel.add(t2);

imagePanel.add(t3);

}

**public** **void** actionPerformed(ActionEvent e){

**if**( e.getSource() == clear){

t1.setText("今天花费?元");

t2.setText("这月花费?元");

t3.setText("今年花费?元");

}

**else** **if** (e.getSource() == b3){ //按年份查

**try**{

**if**(Integer.*parseInt*(year.getText()) > 2050 || Integer.*parseInt*(year.getText()) < 2010){

JOptionPane.*showMessageDialog*(**null**, "你输入的年份有误，范围:2010~2050");

**return**;

}

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "日期处请输入阿拉伯数字");**return**;}

File d = **new** File("yatyousystem\\record\\"+year.getText());

**if**( !d.exists()){

JOptionPane.*showMessageDialog*(**null**, "此年份没有数据");

**return**;

}

String[] son = d.list();

**double** sum = 0;

**for**(**int** i = 0; i < son.length; i++){

File f = **new** File("yatyousystem\\record\\"+year.getText()+"\\"+son[i]);

String[] son2 = f.list();

**for**(**int** j = 0; j < son2.length; j++){

File g = **new** File("yatyousystem\\record\\"+year.getText()+"\\"+son[i]+"\\"+son2[j]+"\\"+"cost");

**try**{

RandomAccessFile gg = **new** RandomAccessFile(g, "r");

String str[] = gg.readLine().split("#");

**for**(**int** k = 0; k < str.length; k++){

sum += Double.*parseDouble*(str[k]);

}

gg.close();

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "无法访问文件，数据文件可能被占用或不存在"); **return**;}

}

}

t3.setText("今年花费"+sum+"元");

}

**else** **if** (e.getSource() == b2){ //按月份查

**try**{

**if**(Integer.*parseInt*(year.getText()) > 2050 || Integer.*parseInt*(year.getText()) < 2010){

JOptionPane.*showMessageDialog*(**null**, "你输入的年份有误，范围:2010~2050");

**return**;

}

**else** **if**(Integer.*parseInt*(month.getText()) > 12 || Integer.*parseInt*(month.getText()) < 1){

JOptionPane.*showMessageDialog*(**null**, "你输入的月份有误，范围:1~12");

**return**;

}

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "日期处请输入阿拉伯数字");**return**;}

File d = **new** File("yatyousystem\\record\\"+year.getText()+"\\"+month.getText()); //计算这个月的花费

**if**( !d.exists()){

JOptionPane.*showMessageDialog*(**null**, "此月份没有数据");

**return**;

}

String[] son = d.list();

**double** sum = 0;

**for**(**int** i = 0; i < son.length; i++){

File f = **new** File(d, son[i]);

File g = **new** File(f, "cost");

**try**{

RandomAccessFile gg = **new** RandomAccessFile(g, "r");

String str[] = gg.readLine().split("#");

**for**(**int** k = 0; k < str.length; k++){

sum += Double.*parseDouble*(str[k]);

}

gg.close();

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "无法访问文件，数据文件可能被占用或不存在"); **return**;}

}

t2.setText("这月花费"+sum+"元");

}

**else** **if** (e.getSource() == b1){ //按日期查

**try**{

**if**(Integer.*parseInt*(year.getText()) > 2050 || Integer.*parseInt*(year.getText()) < 2010){

JOptionPane.*showMessageDialog*(**null**, "你输入的年份有误，范围:2010~2050");

**return**;

}

**else** **if**(Integer.*parseInt*(month.getText()) > 12 || Integer.*parseInt*(month.getText()) < 1){

JOptionPane.*showMessageDialog*(**null**, "你输入的月份有误，范围:1~12");

**return**;

}

**else** **if**(Integer.*parseInt*(day.getText()) > 31 || Integer.*parseInt*(day.getText()) < 1){

JOptionPane.*showMessageDialog*(**null**, "你输入的日子有误，范围:1~31");

**return**;

}

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "日期处请输入阿拉伯数字");**return**;}

File d = **new** File("yatyousystem\\record\\"+year.getText()+"\\"+month.getText()+"\\"+day.getText(), "cost"); //计算指定日期的花费

**if**( !d.exists()){

JOptionPane.*showMessageDialog*(**null**, "此日没有数据");

**return**;

}

**double** sum = 0;

**try**{

RandomAccessFile gg = **new** RandomAccessFile(d, "r");

String str[] = gg.readLine().split("#");

**for**(**int** k = 0; k < str.length; k++){

sum += Double.*parseDouble*(str[k]);

}

gg.close();

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "无法访问文件，数据文件可能被占用或不存在"); **return**;}

t1.setText("今天花费"+sum+"元");

//制作JTable

File f = **new** File("yatyousystem\\record\\"+year.getText()+"\\"+month.getText()+"\\"+day.getText(), "things");

**try**{

RandomAccessFile ff = **new** RandomAccessFile(f, "r");

RandomAccessFile gg = **new** RandomAccessFile(d, "r");

String st=**new** String(ff.readLine().getBytes("ISO-8859-1"),"GBK"); //解决读取中文乱码

String str1[] = st.split("#");

String str2[] = gg.readLine().split("#");

//JOptionPane.showMessageDialog(null,ff.readLine());

Object[][] content = **new** Object[str1.length][2];

String[] colunmname = {"消费事项","消费金额(元)"};

**for**(**int** i = 0; i < str1.length; i++){ //为JTable第一列赋值

content[i][0] = str1[i];

}

**for**(**int** i = 0; i < str2.length; i++){ //为JTable第二列赋值

content[i][1] = str2[i];

}

ff.close();

gg.close();

JTable table = **new** JTable(content, colunmname);

JScrollPane jsp = **new** JScrollPane(table);

jsp.setSize(150, 180);

jsp.setLocation(190, 20);

imagePanel.add(jsp);

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "无法访问文件，数据文件可能被占用或不存在"); **return**;}

}

}

}

**class** Delete **extends** JFrame **implements** ActionListener{

ImageIcon background = **new** ImageIcon("yatyousystem\\bg23.jpg");

JPanel imagePanel;

JButton delete = **new** JButton("删除");

JButton reset = **new** JButton("重置");

JLabel n = **new** JLabel("年");

JLabel y = **new** JLabel("月");

JLabel r = **new** JLabel("日");

JTextField year = **new** JTextField();

JTextField month = **new** JTextField();

JTextField day = **new** JTextField();

CheckboxGroup mode = **new** CheckboxGroup(); //定义单选按钮组

Checkbox cb1;

Checkbox cb2;

Checkbox cb3;

**public** Delete(){

JLabel label = **new** JLabel(background); // 把背景图片显示在一个标签里面

label.setBounds(0, 0, background.getIconWidth(), background.getIconHeight()); // 把标签的大小位置设置为图片刚好填充整个面板

imagePanel = (JPanel)getContentPane(); // 把内容窗格转化为JPanel，否则不能用方法setOpaque()来使内容窗格透明

imagePanel.setOpaque(**false**);

imagePanel.setLayout(**null**);

getLayeredPane().setLayout(**null**);

getLayeredPane().add(label, **new** Integer(Integer.*MIN\_VALUE*)); // 把背景图片添加到分层窗格的最底层作为背景

setSize(background.getIconWidth(), background.getIconHeight() + 20);

Image icon = Toolkit.*getDefaultToolkit*().getImage("yatyousystem\\ico.jpg"); //修改左上角图标（建议为16\*16）

setIconImage(icon);

setVisible(**true**);

setResizable(**false**);

setLocation(650,200);

setTitle("个人财务管理系统添加记录");

year.setSize(40, 23); year.setLocation(75, 20);

imagePanel.add(year);

n.setSize(20,23); n.setLocation(115, 20);

imagePanel.add(n);

month.setSize(40, 23); month.setLocation(135, 20);

imagePanel.add(month);

y.setSize(20,23); y.setLocation(175, 20);

imagePanel.add(y);

day.setSize(40, 23); day.setLocation(195, 20);

imagePanel.add(day);

r.setSize(20,23); r.setLocation(235,20);

imagePanel.add(r);

delete.setSize(80, 35); delete.setLocation(50, 150);

reset.setSize(80, 35); reset.setLocation(220, 150);

imagePanel.add(delete);

imagePanel.add(reset);

delete.addActionListener(**this**);

reset.addActionListener(**this**);

cb1 = **new** Checkbox("按日删除",mode,**true**);

cb2 = **new** Checkbox("按月删除",mode,**false**);

cb3 = **new** Checkbox("按年删除",mode,**false**);

add(cb1);

add(cb2);

add(cb3);

JPanel jp = **new** JPanel(**new** GridLayout(1, 3));

jp.add(cb1); jp.add(cb2); jp.add(cb3);

jp.setSize(200, 25);

jp.setLocation(65, 80);

imagePanel.add(jp);

}

**public** **void** actionPerformed(ActionEvent e){

**if**(e.getSource() == delete){

**if**(mode.getSelectedCheckbox() == cb1){ //按日期删除

**try**{

**if**(Integer.*parseInt*(year.getText()) > 2050 || Integer.*parseInt*(year.getText()) < 2010){

JOptionPane.*showMessageDialog*(**null**, "你输入的年份有误，范围:2010~2050");

**return**;

}

**else** **if**(Integer.*parseInt*(month.getText()) > 12 || Integer.*parseInt*(month.getText()) < 1){

JOptionPane.*showMessageDialog*(**null**, "你输入的月份有误，范围:1~12");

**return**;

}

**else** **if**(Integer.*parseInt*(day.getText()) > 31 || Integer.*parseInt*(day.getText()) < 1){

JOptionPane.*showMessageDialog*(**null**, "你输入的日子有误，范围:1~31");

**return**;

}

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "日期处请输入阿拉伯数字");**return**;}

File d = **new** File("yatyousystem\\record\\"+year.getText()+"\\"+month.getText()+"\\"+day.getText());

**if** (!d.exists()){

JOptionPane.*showMessageDialog*(**null**, "此日没有数据");

**return**;

}

**try**{

File f = **new** File(d, "cost");

f.delete();

File g = **new** File(d, "things");

g.delete();

d.delete();

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "无法访问文件，数据文件可能被占用或不存在"); **return**;}

JOptionPane.*showMessageDialog*(**null**, "删除成功");

}

**else** **if**(mode.getSelectedCheckbox() == cb2){ //按月份删除

**try**{

**if**(Integer.*parseInt*(year.getText()) > 2050 || Integer.*parseInt*(year.getText()) < 2010){

JOptionPane.*showMessageDialog*(**null**, "你输入的年份有误，范围:2010~2050");

**return**;

}

**else** **if**(Integer.*parseInt*(month.getText()) > 12 || Integer.*parseInt*(month.getText()) < 1){

JOptionPane.*showMessageDialog*(**null**, "你输入的月份有误，范围:1~12");

**return**;

}

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "日期处请输入阿拉伯数字");**return**;}

File d = **new** File("yatyousystem\\record\\"+year.getText()+"\\"+month.getText()); //计算这个月的花费

**if**( !d.exists()){

JOptionPane.*showMessageDialog*(**null**, "此月份没有数据");

**return**;

}

String[] son = d.list();

**for**(**int** i = 0; i < son.length; i++){

**try**{

File f = **new** File(d, son[i]);

File g = **new** File(f, "cost");

File h = **new** File(f, "things");

g.delete();

h.delete();

f.delete();

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "无法访问文件，数据文件可能被占用或不存在"); **return**;}

}

d.delete();

JOptionPane.*showMessageDialog*(**null**, "删除成功");

}

**else** **if**(mode.getSelectedCheckbox() == cb3){ //按年份删除

**try**{

**if**(Integer.*parseInt*(year.getText()) > 2050 || Integer.*parseInt*(year.getText()) < 2010){

JOptionPane.*showMessageDialog*(**null**, "你输入的年份有误，范围:2010~2050");

**return**;

}

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "日期处请输入阿拉伯数字");**return**;}

File d = **new** File("yatyousystem\\record\\"+year.getText());

**if**( !d.exists()){

JOptionPane.*showMessageDialog*(**null**, "此年份没有数据");

**return**;

}

String[] son = d.list();

**for**(**int** i = 0; i < son.length; i++){

File f = **new** File(d, son[i]);

String[] son2 = f.list();

**for**(**int** j = 0; j < son2.length; j++){

**try**{

File g = **new** File(f, son2[j]);

File h = **new** File(g, "cost");

File l = **new** File(g, "things");

h.delete();

l.delete();

g.delete();

}**catch**(Exception ee){JOptionPane.*showMessageDialog*(**null**, "无法访问文件，数据文件可能被占用或不存在"); **return**;}

}

f.delete();

}

d.delete();

JOptionPane.*showMessageDialog*(**null**, "删除成功");

}

}

**else** **if**(e.getSource() == reset){

year.setText("");

month.setText("");

day.setText("");

}

}

}