import javax.swing.\*;

import javax.xml.transform.Source;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.awt.event.KeyEvent;

import java.io.\*;

import java.nio.charset.StandardCharsets; //以上都为导包

public class Notepad implements ActionListener {

JFrame jf; //声明窗口类

JMenuBar jmb; //声明栏类

JMenu jm; // 声明菜单类对象

JMenuItem newItem,openItem,saveItem,exitItem; //声明菜单项类对象

JTextArea jta; //声明多行文本框类

JScrollPane jsp;//带滚动条容器类

File file; //创建File

//将这些对象都定义在构造方法的外面额能够让不同的类去调用它

public Notepad(){ //创建一个构造方法

String path="E:"+ File.separator+"精彩图片"+File.separator+"Java测试图"+File.separator; //通道字符串写出一个路径

jf=new JFrame("记事本"); //创建窗口类对象

jmb=new JMenuBar();

jm=new JMenu("文件");

newItem=new JMenuItem("新建(N)",new ImageIcon(path+"新建.png"));

Icon ic=new ImageIcon(path+"打开.jpg");

openItem=new JMenuItem("打开(O)",ic);

saveItem=new JMenuItem("保存(S)",new ImageIcon(path+"保存.jpg"));

exitItem=new JMenuItem("关闭(X)",new ImageIcon(path+"关闭.jpg"));

jta=new JTextArea();

jsp=new JScrollPane(jta);

file=new File(new String());

newItem.setMnemonic('N');

openItem.setMnemonic('O');

saveItem.setMnemonic('S');

exitItem.setMnemonic('X');

newItem.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_N, Event.CTRL\_MASK/\*|ActionEvent.ALT\_MASK\*/));

openItem.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_O, ActionEvent.CTRL\_MASK/\*|ActionEvent.ALT\_MASK\*/));

saveItem.setAccelerator(KeyStroke.getKeyStroke(/\*KeyEvent.VK\_S\*/'S', ActionEvent.CTRL\_MASK|ActionEvent.ALT\_MASK));

exitItem.setAccelerator(KeyStroke.getKeyStroke(/\*KeyEvent.VK\_X\*/'X', ActionEvent.CTRL\_MASK|ActionEvent.ALT\_MASK));

newItem.addActionListener(this);

openItem.addActionListener(this);

saveItem.addActionListener(this);

exitItem.addActionListener(this);

jm.add(newItem);

jm.add(openItem);

jm.add(saveItem);

jm.addSeparator();

jm.add(exitItem);

jmb.add(jm);

jf.setJMenuBar(jmb);

jf.add(jsp);

jf.setSize(400,500);

ImageIcon imageIcon=new ImageIcon("E:"+ File.separator+"精彩图片"+File.separator+"Java测试图"+File.separator+"记事本.png");;

jf.setIconImage(imageIcon.getImage());

jf.setVisible(true);

}

@Override

public void actionPerformed(ActionEvent e) {

Object obj=e.getSource();

if(obj instanceof JMenuItem){

JMenuItem item=(JMenuItem) obj;

if(item==newItem){

new Notepad();

}

else if(item==openItem){

JFileChooser chooser=new JFileChooser();

chooser.showOpenDialog(null);

file=chooser.getSelectedFile();

try {

InputStream fis=new FileInputStream(file);

byte[] b=new byte[fis.available()];

fis.read(b);

jta.setText(new String(b));

}catch (IOException event){

event.printStackTrace();

}

}

else if(item==saveItem){

JFileChooser chooser=new JFileChooser();

chooser.showSaveDialog(null);

file=chooser.getSelectedFile();

try {

OutputStream fos=new FileOutputStream(file);

String str=jta.getText();

byte[] byt=str.getBytes(StandardCharsets.UTF\_8);

fos.write(byt);

fos.close();

}catch (IOException event){

event.printStackTrace();

}

}

else if(item==exitItem){

System.exit(1);

}

}

}

}