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

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

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

**import** java.io.BufferedReader;

**import** java.io.File;

**import** java.io.FileReader;

**import** java.io.IOException;

//import java.io.Writer;

@SuppressWarnings("serial")

**public** **class** JMenuFile **extends** JFrame {

JMenuBar main = **new** JMenuBar();

JMenu fileMenu = **new** JMenu("File");

JMenu updateMenu = **new** JMenu("Update");

JMenu helpMenu = **new** JMenu("Help");

JMenuItem newFrame = **new** JMenuItem("New");

JMenuItem showInfo = **new** JMenuItem("Show");

JMenuItem exit = **new** JMenuItem("Exit");

JMenuItem update = **new** JMenuItem("Update");

//JMenuItem del = new JMenuItem("Delete");

JMenuItem index = **new** JMenuItem("Topics");

JMenuItem about = **new** JMenuItem("About");

**static** Frame2 *frame2* = **new** Frame2("Add Record");

**static** Frame3 *frame3* = **new** Frame3("Update Record");

JTextArea txtInfo = **new** JTextArea(30,20);

**static** File *studfile* = **new** File("student.txt");

**public** JMenuFile(String str)

{

**super**(str);

Container con = getContentPane();

con.setLayout(**new** BorderLayout(20,15));

con.add(**new** JScrollPane(txtInfo), BorderLayout.***CENTER***);

con.add(**new** JLabel(""), BorderLayout.***NORTH***);

con.add(**new** JLabel(""), BorderLayout.***SOUTH***);

con.add(**new** JLabel(""), BorderLayout.***EAST***);

con.add(**new** JLabel(""), BorderLayout.***WEST***);

txtInfo.setEnabled(**false**);

setJMenuBar(main);

main.add(fileMenu);

fileMenu.add(newFrame);

fileMenu.add(showInfo);

fileMenu.add(exit);

main.add(updateMenu);

updateMenu.add(update);

//updateMenu.add(del);

main.add(helpMenu);

helpMenu.add(index);

helpMenu.add(about);

menuActions menuActs = **new** menuActions();

newFrame.addActionListener(menuActs);

showInfo.addActionListener(menuActs);

exit.addActionListener(menuActs);

update.addActionListener(menuActs);

//edit.addActionListener(menuActs);

//del.addActionListener(menuActs);

index.addActionListener(menuActs);

about.addActionListener(menuActs);

setSize(900,500);

setVisible(**true**);

}

**public** **class** menuActions **implements** ActionListener

{

@SuppressWarnings("deprecation")

**public** **void** actionPerformed(ActionEvent ae)

{

**if**(ae.getSource() == newFrame)

{

*frame2*.~~show~~(**true**); // calls the Frame2.java in #2

}

**else** **if**(ae.getSource() == showInfo)

{

**try**

{

showInformation();

}

**catch** (IOException e)

{

JOptionPane.*showMessageDialog*(**null**, e.getMessage(),

"Error", JOptionPane.***ERROR\_MESSAGE***);

}

}

**else** **if**(ae.getSource() == exit)

{

dispose();

System.*exit*(***ABORT***);

}

**else** **if**(ae.getSource() == update)

{

*frame3*.~~show~~(**true**);

}

**else** **if**(ae.getSource() == index)

{

JOptionPane.*showInputDialog*(**null**, "Search topic: ", "Topic",

JOptionPane.***QUESTION\_MESSAGE***);

}

**else**

{

JOptionPane.*showMessageDialog*(**null**, "Program by: ME\n"

+ "This is Sample File Menu Program", "About",

JOptionPane.***INFORMATION\_MESSAGE***);

}

}

}

@SuppressWarnings("deprecation")

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

JMenuFile menu = **new** JMenuFile("Sample File Handling");

menu.setDefaultCloseOperation(***EXIT\_ON\_CLOSE***);

*frame2*.~~show~~(**false**);

menu.~~show~~();

**try**

{

**if**(*studfile*.createNewFile())

{

JOptionPane.*showMessageDialog*(**null**, "File Created!", "File",

JOptionPane.***INFORMATION\_MESSAGE***);

}

**else**

JOptionPane.*showMessageDialog*(**null**, "File already exists!", "Inform",

JOptionPane.***WARNING\_MESSAGE***);

}

**catch**(IOException ie)

{

JOptionPane.*showMessageDialog*(**null**, ie.getMessage(), "Error",

JOptionPane.***ERROR\_MESSAGE***);

}

}

@SuppressWarnings("resource")

**public** **void** showInformation() **throws** IOException

{

**try**

{

txtInfo.setText(**null**);

BufferedReader br = **new** BufferedReader(**new** FileReader(*studfile*));

**while**(br.read() != -1)

{

txtInfo.append(br.readLine() + "\n");

}

br.close();

}

**finally**

{

JOptionPane.*showMessageDialog*(**null**, "Records displayed!", "Output",

JOptionPane.***INFORMATION\_MESSAGE***);

}

}

}

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

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

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

**import** java.io.BufferedReader;

**import** java.io.File;

**import** java.io.FileReader;

**import** java.io.IOException;

//import java.io.Writer;

@SuppressWarnings("serial")

**public** **class** JMenuFile **extends** JFrame {

JMenuBar main = **new** JMenuBar();

JMenu fileMenu = **new** JMenu("File");

JMenu updateMenu = **new** JMenu("Update");

JMenu helpMenu = **new** JMenu("Help");

JMenuItem newFrame = **new** JMenuItem("New");

JMenuItem showInfo = **new** JMenuItem("Show");

JMenuItem exit = **new** JMenuItem("Exit");

JMenuItem update = **new** JMenuItem("Update");

//JMenuItem del = new JMenuItem("Delete");

JMenuItem index = **new** JMenuItem("Topics");

JMenuItem about = **new** JMenuItem("About");

**static** Frame2 *frame2* = **new** Frame2("Add Record");

**static** Frame3 *frame3* = **new** Frame3("Update Record");

JTextArea txtInfo = **new** JTextArea(30,20);

**static** File *studfile* = **new** File("student.txt");

**public** JMenuFile(String str)

{

**super**(str);

Container con = getContentPane();

con.setLayout(**new** BorderLayout(20,15));

con.add(**new** JScrollPane(txtInfo), BorderLayout.***CENTER***);

con.add(**new** JLabel(""), BorderLayout.***NORTH***);

con.add(**new** JLabel(""), BorderLayout.***SOUTH***);

con.add(**new** JLabel(""), BorderLayout.***EAST***);

con.add(**new** JLabel(""), BorderLayout.***WEST***);

txtInfo.setEnabled(**false**);

setJMenuBar(main);

main.add(fileMenu);

fileMenu.add(newFrame);

fileMenu.add(showInfo);

fileMenu.add(exit);

main.add(updateMenu);

updateMenu.add(update);

//updateMenu.add(del);

main.add(helpMenu);

helpMenu.add(index);

helpMenu.add(about);

menuActions menuActs = **new** menuActions();

newFrame.addActionListener(menuActs);

showInfo.addActionListener(menuActs);

exit.addActionListener(menuActs);

update.addActionListener(menuActs);

//edit.addActionListener(menuActs);

//del.addActionListener(menuActs);

index.addActionListener(menuActs);

about.addActionListener(menuActs);

setSize(900,500);

setVisible(**true**);

}

**public** **class** menuActions **implements** ActionListener

{

@SuppressWarnings("deprecation")

**public** **void** actionPerformed(ActionEvent ae)

{

**if**(ae.getSource() == newFrame)

{

*frame2*.~~show~~(**true**); // calls the Frame2.java in #2

}

**else** **if**(ae.getSource() == showInfo)

{

**try**

{

showInformation();

}

**catch** (IOException e)

{

JOptionPane.*showMessageDialog*(**null**, e.getMessage(),

"Error", JOptionPane.***ERROR\_MESSAGE***);

}

}

**else** **if**(ae.getSource() == exit)

{

dispose();

System.*exit*(***ABORT***);

}

**else** **if**(ae.getSource() == update)

{

*frame3*.~~show~~(**true**);

}

**else** **if**(ae.getSource() == index)

{

JOptionPane.*showInputDialog*(**null**, "Search topic: ", "Topic",

JOptionPane.***QUESTION\_MESSAGE***);

}

**else**

{

JOptionPane.*showMessageDialog*(**null**, "Program by: ME\n"

+ "This is Sample File Menu Program", "About",

JOptionPane.***INFORMATION\_MESSAGE***);

}

}

}

@SuppressWarnings("deprecation")

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

JMenuFile menu = **new** JMenuFile("Sample File Handling");

menu.setDefaultCloseOperation(***EXIT\_ON\_CLOSE***);

*frame2*.~~show~~(**false**);

menu.~~show~~();

**try**

{

**if**(*studfile*.createNewFile())

{

JOptionPane.*showMessageDialog*(**null**, "File Created!", "File",

JOptionPane.***INFORMATION\_MESSAGE***);

}

**else**

JOptionPane.*showMessageDialog*(**null**, "File already exists!", "Inform",

JOptionPane.***WARNING\_MESSAGE***);

}

**catch**(IOException ie)

{

JOptionPane.*showMessageDialog*(**null**, ie.getMessage(), "Error",

JOptionPane.***ERROR\_MESSAGE***);

}

}

@SuppressWarnings("resource")

**public** **void** showInformation() **throws** IOException

{

**try**

{

txtInfo.setText(**null**);

BufferedReader br = **new** BufferedReader(**new** FileReader(*studfile*));

**while**(br.read() != -1)

{

txtInfo.append(br.readLine() + "\n");

}

br.close();

}

**finally**

{

JOptionPane.*showMessageDialog*(**null**, "Records displayed!", "Output",

JOptionPane.***INFORMATION\_MESSAGE***);

}

}

}

**public** **class** Students {

String studNum, studName, course;

**int** year, section;

**public** Students(String sno, String sna) // overloading constructor

{

studNum = sno;

studName = sna;

}

**public** String getStudNum()

{

**return** studNum;

}

**public** String getStudName()

{

**return** studName;

}

**public** Students(String crs, **int** yr, **int** sec) // overloading constructor

{

course = crs;

year = yr;

section = sec;

}

**public** String getCourse()

{

**return** course;

}

**public** **int** getYear()

{

**return** year;

}

**public** **int** getSection()

{

**return** section;

}

}

import java.awt.\*;

import java.awt.event.\*;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

import javax.swing.\*;

@SuppressWarnings("serial")

public class Frame3 extends JFrame{

JLabel lblNum = new JLabel("Student Number: ");

static JTextField txtNum = new JTextField(10);

JButton btnSearch = new JButton("Search");

static JTextField txtInfo = new JTextField(30);

JButton btnEdit = new JButton("Edit");

JButton btnDel = new JButton("Delete");

JButton btnBack = new JButton("Back");

JPanel panel1 = new JPanel();

JPanel panel2 = new JPanel();

public Frame3(String str)

{

super(str);

Container con = getContentPane();

panel1.setLayout(new GridLayout(1,1));

panel1.add(lblNum);

panel1.add(txtNum);

panel1.add(btnSearch);

con.setLayout(new BorderLayout(15,20));

con.add(panel1, BorderLayout.NORTH);

panel2.setLayout(new BorderLayout(15,20));

panel2.add(txtInfo, BorderLayout.NORTH);

panel2.add(btnEdit, BorderLayout.WEST);

panel2.add(btnDel, BorderLayout.CENTER);

panel2.add(btnBack, BorderLayout.EAST);

con.add(panel2, BorderLayout.SOUTH);

ButtonActs btnAction = new ButtonActs();

btnEdit.addActionListener(btnAction);

btnDel.addActionListener(btnAction);

btnBack.addActionListener(btnAction);

setVisible(true);

setSize(350,300);

}

public class ButtonActs implements ActionListener

{

public void actionPerformed(ActionEvent ae)

{

if(ae.getSource() == btnBack)

{

dispose();

}

else if(ae.getSource() == btnEdit)

{

}

else if(ae.getSource() == btnSearch)

{

new cls\_SearchRecord();

}

}

}

class cls\_SearchRecord

{

cls\_SearchRecord()

{

try

{

txtInfo.setText("");

File fyl = new File("student.txt");

BufferedReader br = new BufferedReader(new FileReader(fyl));

String line, strnum;

while((line = br.readLine()) != null)

{ strnum = txtNum.getText();

if(line.contains(strnum))

{

JOptionPane.showMessageDialog(null, "Record found!",

"Found", JOptionPane.INFORMATION\_MESSAGE);

txtInfo.setText(line);

break;

}

//line = br.readLine();

}

br.close();

txtNum.setText("");

}

catch(Exception ex)

{

JOptionPane.showMessageDialog(null, "Record not exist!",

"Error", JOptionPane.ERROR\_MESSAGE);

}

}

}

}