**package** P2;

**import** java.awt.BorderLayout;

**public** **class** Student\_interface **extends** JFrame {

**private** JPanel contentPane;

**private** JTextField txtFull;

**private** JTextField txtAge;

**private** JTextField txtPhone;

**private** JTextField txtEmail;

**private** JTable tblSINHVIEN;

**private** DefaultTableModel dfModel;

List<SINHVIEN> dsSV = **new** ArrayList<>();

/\*\*

\* Launch the application.

\*/

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

EventQueue.*invokeLater*(**new** Runnable() {

**public** **void** run() {

**try** {

Student\_interface frame = **new** Student\_interface();

frame.setVisible(**true**);

} **catch** (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

**public** Student\_interface() {

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

setBounds(100, 100, 544, 417);

contentPane = **new** JPanel();

contentPane.setBorder(**new** EmptyBorder(5, 5, 5, 5));

setContentPane(contentPane);

contentPane.setLayout(**null**);

JPanel panel = **new** JPanel();

panel.setBorder(**new** TitledBorder(UIManager.*getBorder*("TitledBorder.border"), "Input Student's Detail Information", TitledBorder.***LEFT***, TitledBorder.***TOP***, **null**, **null**));

panel.setBounds(10, 22, 282, 167);

contentPane.add(panel);

panel.setLayout(**null**);

JLabel lblfull = **new** JLabel("Full name");

lblfull.setBounds(10, 24, 86, 17);

panel.add(lblfull);

txtFull = **new** JTextField();

txtFull.setBounds(79, 22, 193, 19);

panel.add(txtFull);

txtFull.setColumns(10);

JLabel lblGender = **new** JLabel("Gender");

lblGender.setBounds(10, 52, 67, 17);

panel.add(lblGender);

**final** JComboBox cbgender = **new** JComboBox();

cbgender.setModel(**new** DefaultComboBoxModel(**new** String[] {"Male", "Female"}));

cbgender.setBounds(79, 50, 115, 20);

panel.add(cbgender);

JLabel lblAg = **new** JLabel("Age");

lblAg.setBounds(10, 82, 86, 17);

panel.add(lblAg);

txtAge = **new** JTextField();

txtAge.setColumns(10);

txtAge.setBounds(79, 80, 193, 19);

panel.add(txtAge);

JLabel lblPhone = **new** JLabel("Phone");

lblPhone.setBounds(10, 109, 86, 17);

panel.add(lblPhone);

txtPhone = **new** JTextField();

txtPhone.setColumns(10);

txtPhone.setBounds(79, 107, 193, 19);

panel.add(txtPhone);

JLabel lblEmail = **new** JLabel("Email");

lblEmail.setBounds(10, 139, 86, 17);

panel.add(lblEmail);

txtEmail = **new** JTextField();

txtEmail.setColumns(10);

txtEmail.setBounds(79, 137, 193, 19);

panel.add(txtEmail);

JPanel panel\_1 = **new** JPanel();

panel\_1.setBounds(368, 33, 109, 150);

contentPane.add(panel\_1);

panel\_1.setLayout(**null**);

JButton btnSave = **new** JButton("Save");

btnSave.setBounds(10, 11, 89, 23);

panel\_1.add(btnSave);

JButton btnReset = **new** JButton("Reset");

btnReset.setBounds(10, 48, 89, 23);

panel\_1.add(btnReset);

JButton btnDelete = **new** JButton("Delete");

btnDelete.setBounds(10, 82, 89, 23);

panel\_1.add(btnDelete);

JButton btnFind = **new** JButton("Find");

btnFind.setBounds(10, 116, 89, 23);

panel\_1.add(btnFind);

JScrollPane scrollPane = **new** JScrollPane();

scrollPane.setBounds(10, 215, 471, 100);

contentPane.add(scrollPane);

tblSINHVIEN = **new** JTable();

tblSINHVIEN.setModel(**new** DefaultTableModel(

**new** Object[][] {

{**null**, **null**, **null**, **null**, **null**, **null**},

},

**new** String[] {

"ID", "Full name", "Gender", "Email", "Phone", "Age"

}

));

tblSINHVIEN.getColumnModel().getColumn(0).setPreferredWidth(40);

tblSINHVIEN.getColumnModel().getColumn(1).setPreferredWidth(100);

tblSINHVIEN.getColumnModel().getColumn(3).setPreferredWidth(100);

tblSINHVIEN.getColumnModel().getColumn(5).setPreferredWidth(30);

scrollPane.setColumnHeaderView(tblSINHVIEN);

dfModel = (DefaultTableModel) tblSINHVIEN.getModel();

Showstudent();

}

**private** **void** Showstudent(){

dsSV = StudentModify.*findAll*();

dfModel.setRowCount(0);

**for** (SINHVIEN sv : dsSV){

dfModel.addRow(**new** Object[]{

dfModel.getRowCount()+1, sv.getFullname(), sv.getGender(), sv.getEmail(),sv.getPhoneNumber(), sv.getAge()});

}

}

}