

```

        for classe client we have :
classe oh interface homme machine ..
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package client;

import entite.*;
import java.util.ArrayList;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author bouaa
 */
public class IHM extends javax.swing.JFrame {

    /**
     * Creates new form IHM
     */
    public IHM() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
Code">//GEN-BEGIN: initComponents
    private void initComponents() {

        jLabel2 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        table = new javax.swing.JTable();
        cbF = new javax.swing.JComboBox();
        cmdOK = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        addWindowListener(new java.awt.event.WindowAdapter() {
            public void windowOpened(java.awt.event.WindowEvent evt) {
                formWindowOpened(evt);
            }
        });
    }
}

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jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel2.setText("Filiere");

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel1.setText("Gestion des étudiants");

table.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
jScrollPane1.setViewportViewView(table);

cbF.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
cbF.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Item 1",
"Item 2", "Item 3", "Item 4" }));
cbF.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        cbFMouseClicked(evt);
    }
});
cbF.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        cbFItemStateChanged(evt);
    }
});
cbF.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cbFActionPerformed(evt);
    }
});

cmdOK.setText("OK");
cmdOK.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdOKActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(

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        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(26, 26, 26)
            .addComponent(jLabel12)
            .addGap(58, 58, 58)
            .addComponent(cbF, javax.swing.GroupLayout.PREFERRED_SIZE,
240, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(cmdOK))
        .addGroup(layout.createSequentialGroup()
            .addGap(131, 131, 131)
            .addComponent(jLabel11))
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 437,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(11, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(25, 25, 25)
            .addComponent(jLabel11)
            .addGap(23, 23, 23)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel12)
            .addComponent(cbF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(cmdOK))
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
142, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

    pack();
} // </editor-fold> // GEN-END: initComponents

private void formWindowOpened(java.awt.event.WindowEvent evt)
{ // GEN-FIRST: event_formWindowOpened
    cl = new Client("localhost", 4000);
    cbF.removeAllItems();
    tf = cl.getFiliere();
    cbF.addItem("All");

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        for(Filiere f:tf) cbF.addItem(f.getNomf());
        DefaultTableModel m=new DefaultTableModel();
        m.setColumnIdentifiers(new String[]{"Code","Nom","Prénom"});
        table.setModel(m);
    }//GEN-LAST:event_formWindowOpened

    private void cbFActionPerformed(java.awt.event.ActionEvent evt)
{ //GEN-FIRST:event_cbFActionPerformed

    }//GEN-LAST:event_cbFActionPerformed

    private void cbFMouseClicked(java.awt.event.MouseEvent evt)
{ //GEN-FIRST:event_cbFMouseClicked

    }//GEN-LAST:event_cbFMouseClicked

    private void cbFItemStateChanged(java.awt.event.ItemEvent evt)
{ //GEN-FIRST:event_cbFItemStateChanged

    }//GEN-LAST:event_cbFItemStateChanged

    private void cmdOKActionPerformed(java.awt.event.ActionEvent evt)
{ //GEN-FIRST:event_cmdOKActionPerformed
        ArrayList<Etudiant> te;
        int index;
        DefaultTableModel m=new DefaultTableModel();
        m.setColumnIdentifiers(new String[]{"Code","Nom","Prénom"});
        index=cbF.getSelectedIndex();
        if(index==0) te=cl.getAllEtds();
        else te=cl.getEtudiants(tf.get(index-1).getCodef());
        for(Etudiant e:te)
            m.addRow(new Object[]{e.getCode(),e.getNom(),e.getPrenom()});
        table.setModel(m);
    }//GEN-LAST:event_cmdOKActionPerformed

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        <editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the
default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {

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        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(IHM.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(IHM.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(IHM.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(IHM.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    }
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new IHM().setVisible(true);
    }
});
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JComboBox cbF;
private javax.swing.JButton cmdOK;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable table;
// End of variables declaration//GEN-END:variables
Client cl;
private ArrayList<Filiere> tf;
}

for classe CLIENT ..

package client;
import entite.*;
import java.io.IOException;
import java.io.*;

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import java.net.*;
import java.util.ArrayList;
import javax.swing.JOptionPane;

public class Client {
private Socket s;
private ObjectInputStream in;
private PrintWriter out;
    public Client(String IP,int port) {
        try {
            s=new Socket(IP,port);
            in=new ObjectInputStream(s.getInputStream());
            out=new PrintWriter(s.getOutputStream(),true);
        } catch (IOException ex) {
            JOptionPane.showMessageDialog(null,ex.getMessage());
        }
    }
    public ArrayList<Etudiant> getAllEtds()
    {
        try {
            out.println(0);
            return (ArrayList<Etudiant>)in.readObject();
        } catch (Exception e) {
            return null;
        }
    }
    public ArrayList<Filiere> getFiliere()
    {
        try {
            out.println(-1);
            return (ArrayList<Filiere>)in.readObject();
        } catch (Exception e) {
            return null;
        }
    }
    public ArrayList<Etudiant> getEtudiants(int cf)
    {
        try {
            out.println(cf);
            return (ArrayList<Etudiant>)in.readObject();
        } catch (Exception e) {
            return null;
        }
    }
}
fin documentation ..

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