/\*

\* 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 chatroom;

import java.awt.BorderLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.awt.event.WindowAdapter;

import java.awt.event.WindowEvent;

import java.io.IOException;

import java.net.ServerSocket;

import java.net.Socket;

import java.util.Enumeration;

import java.util.Hashtable;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JPanel;

import javax.swing.JScrollPane;

import javax.swing.JTextArea;

/\*\*

\*

\* @author binkyo

\*/

public class Server extends JFrame implements ActionListener{

private JButton close;

public JTextArea user;

private ServerSocket server;

public Hashtable<String, ThreadSever> listUser;

public Server(){

super("Chat : Server");

setDefaultCloseOperation(JFrame.DO\_NOTHING\_ON\_CLOSE);

this.addWindowListener(new WindowAdapter(){

public void windowClosing(WindowEvent e){

try {

server.close();

System.exit(0);

} catch (IOException e1) {

e1.printStackTrace();

}

}

});

setSize(400, 400);

addItem();

setVisible(true);

}

private void addItem() {

setLayout(new BorderLayout());

add(new JLabel("Trạng thái server : \n"),BorderLayout.NORTH);

add(new JPanel(),BorderLayout.EAST);

add(new JPanel(),BorderLayout.WEST);

user = new JTextArea(10,20);

user.setEditable(false);

add(new JScrollPane(user),BorderLayout.CENTER);

close = new JButton("Close Server");

close.addActionListener(this);

add(close,BorderLayout.SOUTH);

user.append("Máy chủ đã được mở.\n");

}

private void go(){

try {

listUser = new Hashtable<String, ThreadSever>();

server = new ServerSocket(2207);

user.append("Máy chủ bắt đầu phục vụ\n");

while(true){

Socket client = server.accept();

new ThreadSever(this,client);

}

} catch (IOException e) {

user.append("Không thể khởi động máy chủ\n");

}

}

public static void main(String[] args) {

new Server().go();

}

public void actionPerformed(ActionEvent e) {

try {

server.close();

} catch (IOException e1) {

user.append("Không thể dừng được máy chủ\n");

}

System.exit(0);

}

public void sendAll(String from, String msg){

Enumeration e = listUser.keys();

String name=null;

while(e. hasMoreElements()){

name=(String) e.nextElement();

if(name.compareTo(from)!=0){

listUser.get(name).sendMSG("3",msg);

}

}

}

public void sendAllUpdate(String from){

Enumeration e = listUser.keys();

String name=null;

while(e. hasMoreElements()){

name=(String) e.nextElement();

//System.out.println(name);

if(name.compareTo(from)!=0) listUser.get(name).sendMSG("4",getAllName());

}

}

public String getAllName(){

Enumeration e = listUser.keys();

String name="";

while(e. hasMoreElements()){

name+=(String) e.nextElement()+"\n";

}

return name;

}

}