package lte;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.DatagramPacket;

import java.net.InetAddress;

import java.net.MulticastSocket;

import java.net.URL;

import java.net.URLConnection;

import java.util.Arrays;

import java.util.HashMap;

import java.util.Iterator;

import java.util.Map;

import java.util.StringTokenizer;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javafx.application.Platform;

public class usermultireceiver extends Thread{

String sysno,portno,nodename,allvideo="";

public HashMap<String, Vector> chmap = new HashMap<String, Vector>();

public Vector vvv = new Vector();

public HashMap gatewayportno = new HashMap();

public HashMap gatewaysysno = new HashMap();

public Vector allgateway = new Vector();

public Vector supersourcename = new Vector();

public HashMap supersourcesysno = new HashMap();

public HashMap supersourceportno = new HashMap();

UserController uc;

Observer o;

public usermultireceiver(String nodename,String sysno,String portno,UserController uc)

{

this.nodename = nodename;

this.portno = portno;

this.sysno = sysno;

this.uc = uc;

this.o = uc.getObserver();

start();

}

@Override

public void run()

{

while (true)

{

try

{

InetAddress in = InetAddress.getByName("225.89.67.45");

MulticastSocket ms = new MulticastSocket(4567);

ms.joinGroup(in);

byte[] b = new byte[1024];

DatagramPacket dp = new DatagramPacket(b, b.length);

ms.receive(dp);

String data1 = new String(dp.getData()).trim();

StringTokenizer str = new StringTokenizer(data1, "$");

String status = str.nextToken();

if(status.equalsIgnoreCase("NODEDETAILS"))

{

String node = str.nextToken();

String sys = str.nextToken();

String port = str.nextToken();

}

else if(status.equalsIgnoreCase("LOCALGATEWAY"))

{

String gateway = str.nextToken();

String sys = str.nextToken();

String port = str.nextToken();

gatewayportno.put(gateway,port);

gatewaysysno.put(gateway, sys);

if(!allgateway.contains(gateway))

allgateway.add(gateway);

}

else if(status.equalsIgnoreCase("SuperSourceNode"))

{

String videoname = str.nextToken();

String sys = str.nextToken();

String port = str.nextToken();

if(!supersourcename.contains(videoname))

{

supersourcename.add(videoname);

}

supersourcesysno.put(videoname,sys);

supersourceportno.put(videoname,port);

}

else if(status.equalsIgnoreCase("ServerVideo"))

{

String allvideos = str.nextToken();

//

Platform.runLater(new Runnable() {

@Override

public void run() {

o.setavailablesourcevideo(allvideo);

}

});

}

}

catch(Exception e)

{

e.printStackTrace();

}

}

}

}