CODE SERVER

import javax.swing.\*;

import java.awt.\*;

import java.io.\*;

import java.net.\*;

import java.nio.file.Files;

public class Server {

private static final int PORT = 12345;

public static void main(String[] args) {

JFrame frame = new JFrame("Video Server");

JButton button = new JButton("Chọn Video");

JLabel label = new JLabel("Chưa chọn video", JLabel.CENTER);

button.addActionListener(e -> {

JFileChooser fileChooser = new JFileChooser();

int returnValue = fileChooser.showOpenDialog(null);

if (returnValue == JFileChooser.APPROVE\_OPTION) {

File videoFile = fileChooser.getSelectedFile();

label.setText("Đang phát: " + videoFile.getName());

startServer(videoFile);

}

});

frame.setLayout(new BorderLayout());

frame.add(button, BorderLayout.NORTH);

frame.add(label, BorderLayout.CENTER);

frame.setSize(300, 200);

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

frame.setVisible(true);

}

private static void startServer(File videoFile) {

new Thread(() -> {

try (ServerSocket serverSocket = new ServerSocket(PORT)) {

System.out.println("Đang chờ kết nối từ máy khách...");

while (true) {

try (Socket clientSocket = serverSocket.accept()) {

System.out.println("Máy khách đã kết nối: " + clientSocket.getInetAddress());

sendVideo(clientSocket, videoFile);

} catch (IOException e) {

e.printStackTrace();

}

}

} catch (IOException e) {

e.printStackTrace();

}

}).start();

}

private static void sendVideo(Socket clientSocket, File videoFile) {

try (OutputStream outputStream = clientSocket.getOutputStream();

InputStream inputStream = new FileInputStream(videoFile)) {

byte[] buffer = new byte[4096];

int bytesRead;

while ((bytesRead = inputStream.read(buffer)) != -1) {

outputStream.write(buffer, 0, bytesRead);

}

outputStream.flush();

} catch (IOException e) {

e.printStackTrace();

}

}

}

CODE CLIENT

import javax.swing.\*;

import java.awt.\*;

import java.io.\*;

import java.net.\*;

public class Client {

private static final String SERVER\_ADDRESS = "172.28.68.11"; // Địa chỉ IP của máy phát

private static final int PORT = 12345;

public static void main(String[] args) {

JFrame frame = new JFrame("Video Client");

JButton button = new JButton("Xem Video");

JLabel label = new JLabel("Nhấn nút để xem video", JLabel.CENTER);

button.addActionListener(e -> {

label.setText("Đang tải video...");

playVideo();

});

frame.setLayout(new BorderLayout());

frame.add(button, BorderLayout.NORTH);

frame.add(label, BorderLayout.CENTER);

frame.setSize(300, 200);

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

frame.setVisible(true);

}

private static void playVideo() {

try (Socket socket = new Socket(SERVER\_ADDRESS, PORT);

InputStream inputStream = socket.getInputStream();

FileOutputStream fileOutputStream = new FileOutputStream("received\_video.mp4")) {

byte[] buffer = new byte[4096];

int bytesRead;

while ((bytesRead = inputStream.read(buffer)) != -1) {

fileOutputStream.write(buffer, 0, bytesRead);

}

fileOutputStream.flush();

JOptionPane.showMessageDialog(null, "Video đã được tải về. Mở video để xem.");

Desktop.getDesktop().open(new File("received\_video.mp4"));

} catch (IOException e) {

e.printStackTrace();

}

}

}