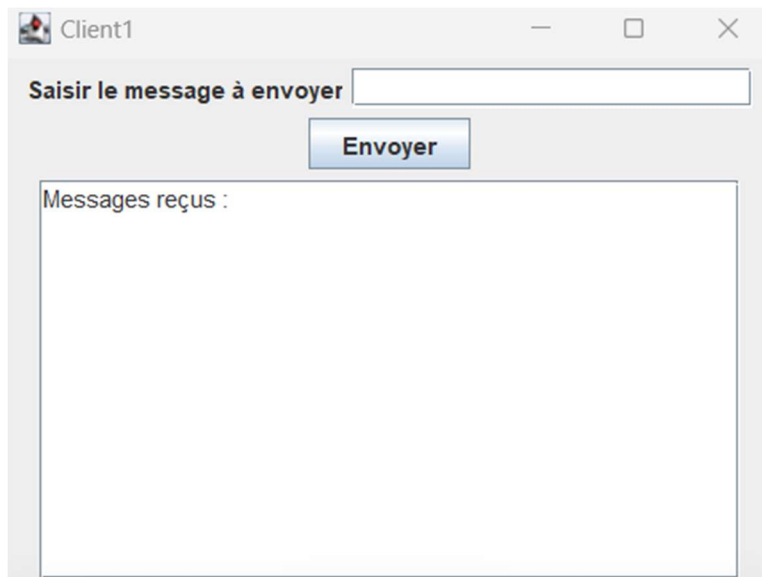


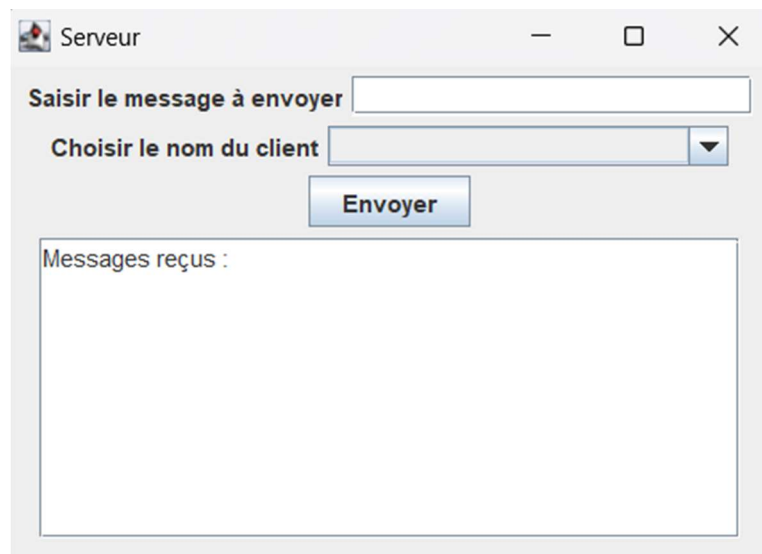
## Complément du TP N°3

### Énoncé :

En utilisant votre IDE, créez les deux interfaces graphiques suivantes :



The screenshot shows a window titled "Client1" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there is a text input field with the placeholder text "Saisir le message à envoyer". Below the input field is a blue button labeled "Envoyer". Underneath the button is a large rectangular text area with the label "Messages reçus :" at the top left.



The screenshot shows a window titled "Serveur" with a standard Windows-style title bar. Inside the window, there is a text input field with the placeholder text "Saisir le message à envoyer". Below this input field is another input field with the placeholder text "Choisir le nom du client" and a dropdown arrow on its right side. Below these two input fields is a blue button labeled "Envoyer". Underneath the button is a large rectangular text area with the label "Messages reçus :" at the top left.

Ou bien tapez le code suivant :

## Classe Client

```
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import jade.core.*;
import jade.core.behaviours.*;
import jade.lang.acl.ACLMessage;

public class Client extends Agent{

    Fenetre fenetre;
    String nomServeur;

    protected void setup() {
        System.out.println("Je suis l'agent : "+getLocalName());
        //Récupérer la liste des arguments
        Object[] args = getArguments();
        if (args != null) {
            nomServeur=args[0].toString();
        }
        fenetre = new Fenetre(getLocalName());
    }

    public class Fenetre extends JFrame{

        JLabel label;
        JTextField textFieldContenuMsg;
        JButton buttonEnvoyer;
        JPanel panel;
        JTextArea textAreaMsgAffichage;
        JScrollPane scrollPane;

        public Fenetre(String nom) {

            setTitle(nom);
            setSize(400,300);
            label = new JLabel("Saisir le message à envoyer");
            textFieldContenuMsg = new JTextField("");
            textFieldContenuMsg.setPreferredSize(new Dimension(200,20));
            panel = new JPanel();
            buttonEnvoyer = new JButton("Envoyer");

            buttonEnvoyer.addActionListener(new ActionListener() {
                public void actionPerformed (ActionEvent e) {
                }
            });

            textAreaMsgAffichage = new JTextArea("Messages reçus : ");
            textAreaMsgAffichage.setEditable(false);

            scrollPane = new JScrollPane(textAreaMsgAffichage);
            scrollPane.setPreferredSize(new Dimension(350,200));

            panel.add(label);
            panel.add(textFieldContenuMsg);
            panel.add(buttonEnvoyer);
            panel.add(scrollPane);

            add(panel);
            setVisible(true);
        }

        public void afficherMsgRecu(String msg) {
            textAreaMsgAffichage.append("\n"+msg);
        }
    }
}

} //class Client
```

## Classe Serveur

```
import java.awt.Dimension;
import java.awt.event.*;
import javax.swing.*;
import jade.core.*;

public class Serveur extends Agent{

    Fenetre fenetre;

    protected void setup(){
        System.out.println("Je suis l'agent : "+getLocalName());
        fenetre = new Fenetre(getLocalName());
    }

    public class Fenetre extends JFrame{

        JLabel label1;
        JTextField textFieldContenuMsg;
        JLabel label2;
        JComboBox comboBox;
        JButton buttonEnvoyer;
        JPanel panel;
        JTextArea textAreaMsgAffichage;
        JScrollPane scrollPane;

        public Fenetre(String nom) {
            setTitle(nom);
            setSize(400,300);
            label1 = new JLabel("Saisir le message à envoyer");
            textFieldContenuMsg = new JTextField("");
            textFieldContenuMsg.setPreferredSize(new Dimension(200,20));
            label2 = new JLabel("Choisir le nom du client");
            comboBox = new JComboBox();
            comboBox.setPreferredSize(new Dimension(200,20));
            panel = new JPanel();
            buttonEnvoyer = new JButton("Envoyer");

            buttonEnvoyer.addActionListener(new ActionListener() {
                public void actionPerformed (ActionEvent e) {
                }
            });
            textAreaMsgAffichage = new JTextArea("Messages reçus : ");
            textAreaMsgAffichage.setEditable(false);

            scrollPane = new JScrollPane(textAreaMsgAffichage);
            scrollPane.setPreferredSize(new Dimension(350,150));

            panel.add(label1);
            panel.add(textFieldContenuMsg);
            panel.add(label2);
            panel.add(comboBox);
            panel.add(buttonEnvoyer);
            panel.add(scrollPane);

            add(panel);
            setVisible(true);
        }

        public void afficherMsgRecu(String msg){
            textAreaMsgAffichage.append("\n"+msg);
        }
    }
}

//class Serveur
```