

Ejemplo sencillo: Modelo (clase Number), Vista (clase FrontData), Controlador (clase Controller)

Clase FrontData

```
package Clases;

import java.awt.EventQueue;

public class FrontData {

    private JFrame frame;
    private JTextField textField;
    private JTextArea textArea;
    private JButton btnNewButton;
    private JButton btnNewButton_1;
    private Controller controller;
    private JButton btnNewButton_2;

    public FrontData() {
        initialize();
    }

    /**
     * Initialize the contents of the frame.
     */

    private void initialize() {
        frame = new JFrame();
        frame.setBounds(100, 100, 419, 366);
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.getContentPane().setLayout(null);
    }
}
```

```
JLabel lblNewLabel = new JLabel("N\u00F3mero");
lblNewLabel.setFont(new Font("Tahoma", Font.PLAIN, 24));
lblNewLabel.setBounds(88, 25, 103, 29);
frame.getContentPane().add(lblNewLabel);

textField = new JTextField();
textField.setFont(new Font("Tahoma", Font.PLAIN, 20));
textField.setBounds(88, 64, 122, 29);
frame.getContentPane().add(textField);
textField.setColumns(10);

btnNewButton = new JButton("Mostrar");

btnNewButton.setFont(new Font("Tahoma", Font.PLAIN, 24));

btnNewButton.addActionListener(new ActionListener() { public void
actionPerformed(ActionEvent e) {
    textArea.setText(controller.getNumber());

} });

btnNewButton.setBounds(88, 106, 122, 32);
frame.getContentPane().add(btnNewButton);

textArea = new JTextArea();
textArea.setFont(new Font("Monospaced", Font.PLAIN, 30));
textArea.setBounds(88, 148, 122, 88);

frame.getContentPane().add(textArea);

btnNewButton_1 = new JButton("Guardar");

btnNewButton_1.addMouseListener(new MouseAdapter() {
    @Override
    public void mouseClicked(MouseEvent e) {
        controller.saveNumber(textField.getText());
    }
});
btnNewButton_1.setFont(new Font("Tahoma", Font.PLAIN, 24));
btnNewButton_1.setBounds(88, 256, 122, 29);
frame.getContentPane().add(btnNewButton_1);

btnNewButton_2 = new JButton("Limpiar");
btnNewButton_2.addMouseListener(new MouseAdapter() {
    @Override
    public void mouseClicked(MouseEvent e) {
        textField.setText("");
        textArea.setText("");
    }
});
btnNewButton_2.setFont(new Font("Tahoma", Font.PLAIN, 24));
btnNewButton_2.setBounds(228, 62, 122, 29);
frame.getContentPane().add(btnNewButton_2);
frame.setVisible(true);

}
```

```
public void setNumero(String s) {
    textArea.setText(s);
}
public int getNumero() {
    try {
        return Integer.parseInt(textField.getText());
    }
    catch (NumberFormatException e) {
        return 0;
    }
}
public void setController(Controller controller) {
    this.controller = controller;
}
}
```

Class Number

```
package Clases;

public class Number {
    private int n;
    private Controller controller;

    public Number() {
        n = 0;
    }

    public Number(int n) {
        this.n = n;
    }

    public int getN() {
        return n;
    }

    public void setN(int n) {
        this.n = n;
    }

    public void setController(Controller controller) {
        this.controller = controller;
    }
}
```

Class Controller

```
package Clases;

public class Controller {
    private FrontData view;
    private Number number; // modelo

    public void setFrontData(FrontData view) {
        this.view = view;
    }
    public void setNumber(Number number) {
        this.number = number;
    }
    public void saveNumber(String newNumber) {
        int aux;
        try {
            aux = Integer.parseInt(newNumber);
        }
        catch (NumberFormatException e) {
            aux = 0;
        }

        number.setN(aux);
    }
    public String getNumber() {
        return String.valueOf(number.getN());
    }
}

}
```

Clase Flow

```
package Clases;

public class Flow {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        FrontData Front = new FrontData();
        Controller Controller = new Controller();
        Number Number = new Number(4);

        Controller.setFrontData(Front);
        Controller.setNumber(Number);

        Front.setController(Controller);
        Number.setController(Controller);

    }

}
```