

Prueba de Caja Blanca

“Registro de aplicación de vacunas contra el COVID-19
en zonas rurales del cantón Quito”

Versión 1.1

Integrantes:

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Ingreso al sistema, Registro Doctores

CÓDIGO FUENTE

```
public Login() {
    initComponents();
}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
Generated Code

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    System.exit(0);
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        // TODO add your handling code here:
        EmpleadoDAO dao = new EmpleadoDAO();
        EmpleadoDTO dto = new EmpleadoDTO();

        dto = dao.buscarCedula(jTextField1.getText());
        String pass = jPasswordField1.getText();

        if (dto != null) {
            if (dto.getPassword().equals(pass)) {
                new Principal().setVisible(true);
                this.setVisible(false);
            } else {
                JOptionPane.showMessageDialog(null, "Usuario/contraseña incorrecto");
            }
        } else {
            JOptionPane.showMessageDialog(null, "Usuario/contraseña incorrecto");
        }
    } catch (SQLException ex) {
        ex.printStackTrace();
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    // Crear cuenta nueva
    new Registro(this, true).setVisible(true);
}

public Image getIconImage() {
    Image retValue = Toolkit.getDefaultToolkit().getImage(ClassLoader.getResource("imagenes/FondoAzul.png"));
    return retValue;
}
```

```

        JOptionPane.showMessageDialog(null, "Cliente Agregado con Exito");
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(null, "Esta cedula ya existe");
        ex.printStackTrace();
    } catch (Exception ex) {
        JOptionPane.showMessageDialog(null, "Datos Incorrectos");
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    Look and feel setting code (optional)

    /* Create and display the dialog */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            Registro dialog = new Registro(new javax.swing.JFrame(), true);
            dialog.addWindowListener(new java.awt.event.WindowAdapter() {
                @Override
                public void windowClosing(java.awt.event.WindowEvent e) {
                    System.exit(0);
                }
            });
            dialog.setVisible(true);
        }
    });
}

public class Registro extends javax.swing.JDialog {

    /**
     * Creates new form Registro
     */
    public Registro(java.awt.Frame parent, boolean modal) {
        super(parent, modal);
        initComponents();
    }

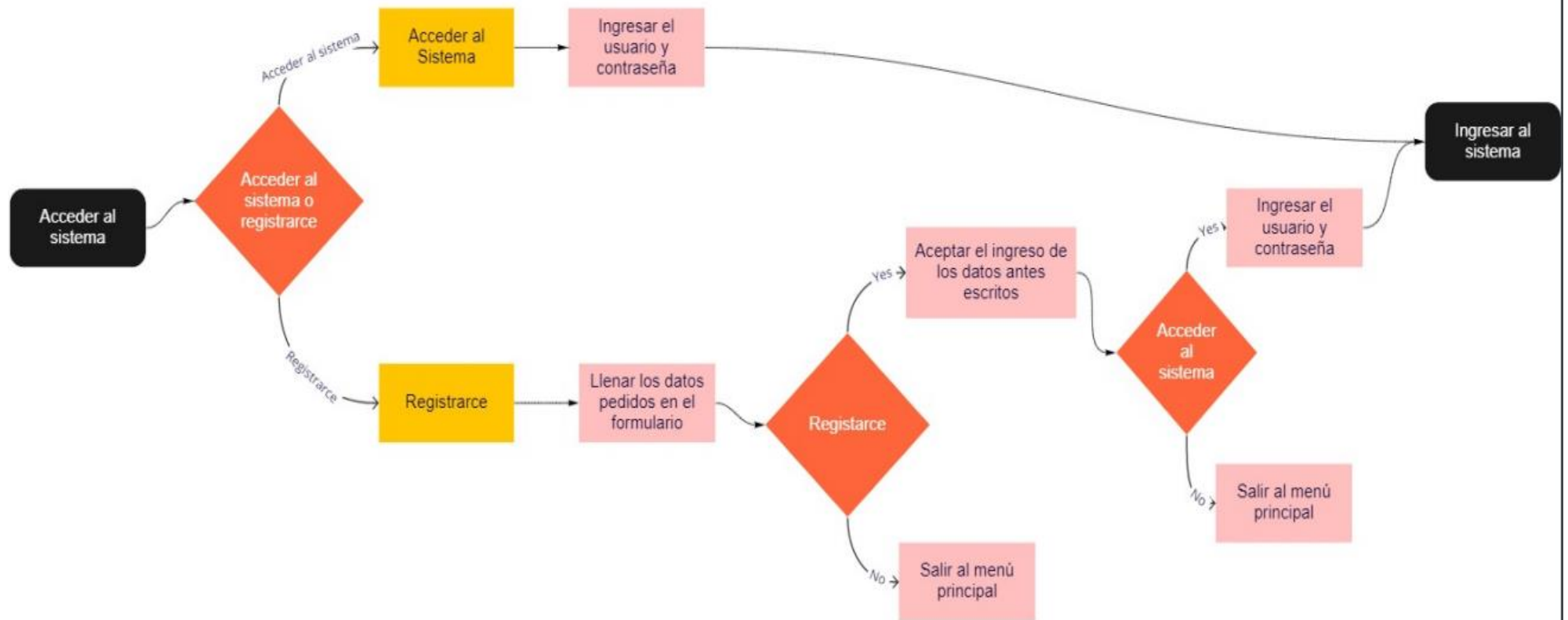
    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    Generated Code

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        try {
            // TODO add your handling code here:
            //Registro
            EmpleadoDAO dao = new EmpleadoDAO();
            EmpleadoDTO dto = new EmpleadoDTO();

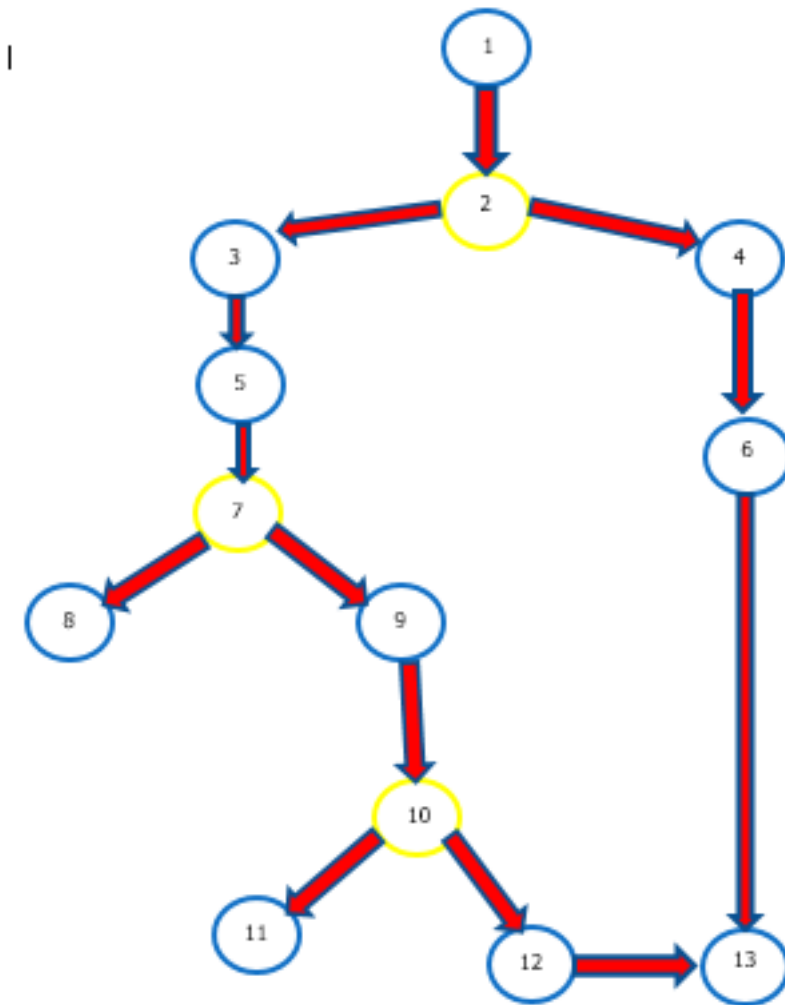
            dto.setNombre(jTextField1.getText());
            dto.setApellido(jTextField2.getText());
            dto.setCedula(jTextField3.getText());
            dto.setPassword(jTextField4.getText());
            dao.append(dto);
        }
    }
}

```

Diagrama de Flujo



GRAFO



RUTAS

R1: 0,1,3,9

R2: 0,1,2,4,6,8,9

R3: 0,1, 2,4,5,9

R4: 0,1,2,6,7,9

COMPLEJIDAD CICLOMÁTICA

Se puede calcular de las siguientes formas:

- $V(G) = \text{número de nodos predicados(decisiones)} + 1 = 4$
- $V(G) = A - N + 2 = 12 - 10 + 2 = 4$

DONDE:

P: Número de nodos predicado

A: Número de aristas

N: Número de nodos