

UNIVERSIDADE DE RIBEIRAO PRETO

ALESSANDRO AKIRA ALVES SAITO

SISTEMA PARA CADASTRAR IMÓVEIS

Funcionamento técnico

RIBEIRÃO PRETO – SP

2020

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Funcionamento técnico

Trabalho Apresentado no curso de graduação de engenharia da computação da universidade de Ribeirão Preto.

Orientador: Rodrigo de Oliveira Plotze.

RIBEIRÃO PRETO – SP

2020

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1. RESUMO

O projeto tem como objetivo simular um software de uma imobiliária, com foco em anunciar imóveis. O software foi inteiramente desenvolvido em Java, utilizando o formulário JFrame. O formulário é capaz de exibir todas as informações dos imóveis (nome, descrição, categoria, tipo e valor de venda) em uma tabela.

2. INTRODUÇÃO

Trabalho que propõe construir um software para cadastrar imóveis para um imobiliária, utilizando a linguagem de programação Java, pra a avaliação final da disciplina de Laboratório de Programação III.

3. DESENVOLVIMENTO

O desenvolvimento em geral foi bem estável, seguindo todas as instruções dadas em aula, o maior ponto de dificuldade foi na parte de armazenamento de dados, pois no projeto inicial pretendia-se criar um formulário JFrame para cada função, totalizando 3 formulários, um para abrir o programa (FormImobiliaria.java), outro para cadastrar os dados do imóvel e lançar os dados (FormCadastro.java), e por último a tabela que exibiria os imóveis cadastrado (FormTabela.java). Porém não houve sucesso em passar os dados de um JFrame para outro. Por esse motivo foi necessário reformular o software, utilizando apenas dois formulários. A página inicial(FormImobiliaria.java), e a aba de cadastro e a tabela de exibição (FormMenu.java).

4. RESULTADOS E CONCLUSÕES

“Aluno: Alessandro Akira Alves Saito

Código: 831474

Código fonte do projeto de avaliação final de laboratório de programação III.

FormImobiliaria.java

```
/*
```

```
 * To change this license header, choose License Headers in Project  
Properties.
```

```
 * To change this template file, choose Tools | Templates
```

```
 * and open the template in the editor.
```

```
*/
```

```
package imobiliariaSaito;
```

```
/**
```

```
 *
```

```
 * @author akira
```

```
 * Codigo: 831474
```

```
*/
```

```
public class FormImobiliaria extends javax.swing.JFrame {
```

```
    /**
```

```
     * Creates new form FormImobiliaria
```

```
    */
```

```
    public FormImobiliaria() {
```

```
        initComponents();
```

```
        config();
```

```
    }
```

```
    /**
```

```
     * 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")
```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```
private void initComponents() {
```

```
    lblTitulo = new javax.swing.JLabel();
```

```
    btnEntrar = new javax.swing.JButton();
```

```
    btnSair = new javax.swing.JButton();
```

```
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
    lblTitulo.setFont(new java.awt.Font("Swis721 BlkOul BT", 0, 36)); //
```

NOI18N

```
    lblTitulo.setForeground(new java.awt.Color(51, 0, 153));
```

```
    lblTitulo.setText("Imobliária Saito");
```

```
    btnEntrar.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
    btnEntrar.setText("entrar");
```

```
btnEntrar.addActionListener(new java.awt.event.ActionListener() {  
  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
  
        btnEntrarActionPerformed(evt);  
  
    }  
  
});
```

```
btnSair.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
btnSair.setText("sair");
```

```
btnSair.addActionListener(new java.awt.event.ActionListener() {  
  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
  
        btnSairActionPerformed(evt);  
  
    }  
  
});
```

```
javax.swing.GroupLayout layout = new  
javax.swing.GroupLayout(getContentPane());  
  
getContentPane().setLayout(layout);
```



```

        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createSequentialGroup()

            .addContainerGap()

            .addComponent(lblTitulo,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addContainerGap())

            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addComponent(btnEntrar,
javax.swing.GroupLayout.PREFERRED_SIZE, 174,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(btnSair,
javax.swing.GroupLayout.PREFERRED_SIZE, 174,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addGap(155, 155, 155))

```

```

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(layout.createSequentialGroup()

        .addContainerGap()

            .addComponent(lblTitulo,
javax.swing.GroupLayout.PREFERRED_SIZE,          103,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,          164,
Short.MAX_VALUE)

            .addComponent(btnEntrar,
javax.swing.GroupLayout.PREFERRED_SIZE,          32,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(57, 57, 57)

            .addComponent(btnSair,
javax.swing.GroupLayout.PREFERRED_SIZE,          32,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(51, 51, 51))

);

```

```
pack();
```

```
// </editor-fold>
```

```
private void btnEntrarActionPerformed(java.awt.event.ActionEvent evt) {
```

```
    //abrir a aba anunciar
```

```
    FormMenu f = new FormMenu();
```

```
    //fechar a aba imobiliara
```

```
    this.dispose();
```

```
    //mostrar a aba anunciar
```

```
    f.setVisible(true);
```

```
}
```

```
private void btnSairActionPerformed(java.awt.event.ActionEvent evt) {
```

```
// TODO add your handling code here:
```

```
this.dispose();
```

```
}
```

```
/**
```

```
 * @param args the command line arguments
```

```
 */
```

```
public static void main(String args[]) {
```

```
    /* Set the Nimbus look and feel */
```

```
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code  
(optional) ">
```

```
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default  
look and feel.
```

```
    *                               For                               details                               see  
    http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
```

```
    */
```

```
    try {
```

```

        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {

            if ("Windows".equals(info.getName())) {

                javax.swing.UIManager.setLookAndFeel(info.getClassName());

                break;

            }

        }

    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(FormImobiliaria.class.getName()).log(java.util.logging
g.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(FormImobiliaria.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(FormImobiliaria.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```
java.util.logging.Logger.getLogger(FormImobiliaria.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
}
```

```
//</editor-fold>
```

```
/* Create and display the form */
```

```
java.awt.EventQueue.invokeLater(new Runnable() {
```

```
    public void run() {
```

```
        new FormImobiliaria().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JButton btnEntrar;
```

```
private javax.swing.JButton btnSair;
```

```
private javax.swing.JLabel lblTitulo;
```

```
// End of variables declaration
```

```
private void config() {
```

```
    this.setTitle("Imobibliaria Saito");
```

```
    this.setResizable(false);
```

```
    this.setLocationRelativeTo(null);
```

```
}
```

Imobliária Saito

entrar

sair

}

FormMenu.java


```
/*
```

* To change this license header, choose License Headers in Project Properties.

* To change this template file, choose Tools | Templates

* and open the template in the editor.

```
*/
```

```
package imobiliariaSaito;
```

```
import javax.swing.JOptionPane;
```

```
import javax.swing.table.DefaultTableModel;
```

```
/**
```

```
*
```

```
* @author akira
```

```
*/
```

```
public class FormMenu extends javax.swing.JFrame {
```

```
/**
```

```
 * Creates new form FormMenu
```

```
 */
```

```
public FormMenu() {
```

```
    initComponents();
```

```
    menuConfig();
```

```
}
```

```
/**
```

```
 * 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")
```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```
private void initComponents() {  
  
    tbpMenu = new javax.swing.JTabbedPane();  
  
    jScrollPane1 = new javax.swing.JScrollPane();  
  
    tabCatalogo = new javax.swing.JTable();  
  
    jPanel1 = new javax.swing.JPanel();  
  
    jLabel1 = new javax.swing.JLabel();  
  
    lblNome = new javax.swing.JLabel();  
  
    txtNome = new javax.swing.JTextField();  
  
    lblDescricao = new javax.swing.JLabel();  
  
    jScrollPane2 = new javax.swing.JScrollPane();  
  
    txtDescricao = new javax.swing.JTextArea();  
  
    lblCategoria = new javax.swing.JLabel();  
  
    rdbResidencial = new javax.swing.JRadioButton();  
  
    rdbComercial = new javax.swing.JRadioButton();  
  
    lblTipo = new javax.swing.JLabel();
```

```
jLabel6 = new javax.swing.JLabel();
```

```
cbxTipo = new javax.swing.JComboBox<>();
```

```
lblValor = new javax.swing.JLabel();
```

```
txtValor = new javax.swing.JTextField();
```

```
btnEnviar = new javax.swing.JButton();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
tbpMenu.setBackground(new java.awt.Color(204, 255, 255));
```

```
tabCatalogo.setBackground(new java.awt.Color(204, 255, 255));
```

```
tabCatalogo.setModel(new javax.swing.table.DefaultTableModel(  

```

```
    new Object [][] {
```

```
        {null, null, null, null},
```

```
        {null, null, null, null},
```

```
        {null, null, null, null},
```

```
        {null, null, null, null}

    },

    new String [] {

        "Title 1", "Title 2", "Title 3", "Title 4"

    }

));

jScrollPane1.setViewportView(tabCatalogo);


tbpMenu.addTab("catalogo", jScrollPane1);


jPanel1.setBackground(new java.awt.Color(204, 255, 255));


jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setText("Anunciar");


lblNome.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
lblNome.setText("nome");
```

```
lblDescricao.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
lblDescricao.setText("descrição");
```

```
txtDescricao.setColumns(20);
```

```
txtDescricao.setRows(5);
```

```
jScrollPane2.setViewportView(txtDescricao);
```

```
lblCategoria.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
lblCategoria.setText("categoria");
```

```
rdbResidencial.setText("residencial");
```

```
rdbResidencial.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        rdbResidencialActionPerformed(evt);
```

```
}
```

```
});
```

```
rdbComercial.setText("comercial");
```

```
rdbComercial.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        rdbComercialActionPerformed(evt);
```

```
    }
```

```
});
```

```
lblTipo.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
lblTipo.setText("tipo");
```

```
jLabel6.setText("(casa, apartamento, etc.)");
```

```
cbxTipo.setModel(new javax.swing.DefaultComboBoxModel<>(new  
String[] { "<nenhum>", "casa", "apartamento", "chacara", "salão", "terreno" }));
```

```
lblValor.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
lblValor.setText("valor");
```

```
btnEnviar.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
```

```
btnEnviar.setText("enviar");
```

```
btnEnviar.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        btnEnviarActionPerformed(evt);
```

```
    }
```

```
});
```

```
        javax.swing.GroupLayout jPanel1Layout = new  
        javax.swing.GroupLayout(jPanel1);
```

```
        jPanel1.setLayout(jPanel1Layout);
```

```
        jPanel1Layout.setHorizontalGroup(
```



```
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel1Layout.createSequentialGroup())
```

```
.addContainerGap()
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
.addComponent(jLabel1)
```

```
.addComponent(lblNome)
```

```
.addComponent(txtNome)
```

```
.addComponent(lblDescricao)
```

```
.addComponent(jScrollPane2,  
javax.swing.GroupLayout.DEFAULT_SIZE, 285, Short.MAX_VALUE))
```

```
.addGroup(jPanel1Layout.createSequentialGroup())
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(lblCategoria)
```

```
.addGroup(jPanel1Layout.createSequentialGroup())
```

```
.addComponent(rdbResidencial)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(rdbComercial)))
```

```
.addGap(55, 55, 55)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel1Layout.createSequentialGroup())
```

```
.addComponent(lblTipo)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(jLabel6))
```

```
.addComponent(cbxTipo,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addComponent(lblValor)
```

```

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addComponent(txtValor,
javax.swing.GroupLayout.PREFERRED_SIZE,          75,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(95, 95, 95)

        .addComponent(btnEnviar,
javax.swing.GroupLayout.PREFERRED_SIZE,          92,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addContainerGap(132, Short.MAX_VALUE))

    );

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addContainerGap()

        .addComponent(jLabel1)

        .addGap(18, 18, 18)

        .addComponent(lblNome)

```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
        .addComponent(txtNome,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(18, 18, 18)
```

```
        .addComponent(lblDescricao)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
        .addComponent(jScrollPane2,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(18, 18, 18)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
        .addComponent(lblCategoria)
```

```
        .addComponent(lblTipo)
```

```
        .addComponent(jLabel6))
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel1Layout.createSequentialGroup())
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
.addComponent(rdbResidencial)
```

```
.addComponent(rdbComercial))
```

```
.addGap(18, 18, 18)
```

```
.addComponent(lblValor)
```

```
.addGap(18, 18, 18)
```

```
.addComponent(txtValor,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel1Layout.createSequentialGroup())
```

```
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,      15,  
Short.MAX_VALUE)
```

```
        .addComponent(cbxTipo,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(58, 58, 58)
```

```
        .addComponent(btnEnviar,  
javax.swing.GroupLayout.PREFERRED_SIZE,      34,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(22, 22, 22))))
```

```
    );
```

```
    tbpMenu.addTab("anunciar", jPanel1);
```

```
        javax.swing.GroupLayout layout = new  
javax.swing.GroupLayout(getContentPane());
```

```
        getContentPane().setLayout(layout);
```

```
        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(tbpMenu)

    );

    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(tbpMenu,
javax.swing.GroupLayout.DEFAULT_SIZE, 450, Short.MAX_VALUE)

    );

    pack();

} // </editor-fold>

private void btnEnviarActionPerformed(java.awt.event.ActionEvent evt) {

    String nome = txtNome.getText();

    String descricao = txtDescricao.getText();
```

```
String categoria = "";
```

```
if(rdbComercial.isSelected()){
```

```
    categoria = "comercial";
```

```
}
```

```
else if(rdbResidencial.isSelected()){
```

```
    categoria = "residencial";
```

```
}
```

```
String tipo = (String) cbxTipo.getSelectedItem();
```

```
String valor = txtValor.getText();
```

```
if(!nome.isEmpty()){
```

```
    DefaultTableModel m = (DefaultTableModel)tabCatalogo.getModel();
```

```
    m.addRow(
```

```
        new String[]{nome, descricao, categoria, tipo, valor}
```



```
);
```

```
tabCatalogo.setModel(m);
```

```
JOptionPane.showMessageDialog(null, "operacao realizada com  
sucesso!");
```

```
}
```

```
}
```

```
private void rdbResidencialActionPerformed(java.awt.event.ActionEvent  
evt) {
```

```
// TODO add your handling code here:
```

```
}
```

```
private void rdbComercialActionPerformed(java.awt.event.ActionEvent evt) {
```

```
// TODO add your handling code here:
```

```
}
```

```
/**
```

```
 * @param args the command line arguments
```

```
 */
```

```
public static void main(String args[]) {
```

```
    /* Set the Nimbus look and feel */
```

```
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code  
(optional) ">
```

```
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default  
look and feel.
```

```
    *           For           details           see  
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
```

```
    */
```

```
    try {
```

```
        for (javax.swing.UIManager.LookAndFeelInfo info :  
            javax.swing.UIManager.getInstalledLookAndFeels()) {
```

```
        if ("Windows".equals(info.getName())) {

            javax.swing.UIManager.setLookAndFeel(info.getClassName());

            break;

        }

    }

} catch (ClassNotFoundException ex) {
```

```
    java.util.logging.Logger.getLogger(FormMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
    } catch (InstantiationException ex) {
```

```
    java.util.logging.Logger.getLogger(FormMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
    } catch (IllegalAccessException ex) {
```

```
    java.util.logging.Logger.getLogger(FormMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
```

```
java.util.logging.Logger.getLogger(FormMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
}
```

```
//</editor-fold>
```

```
/* Create and display the form */
```

```
java.awt.EventQueue.invokeLater(new Runnable() {
```

```
    public void run() {
```

```
        new FormMenu().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JButton btnEnviar;
```

```
private javax.swing.JComboBox<String> cbxTipo;
```

```
private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel6;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JLabel lblCategoria;

private javax.swing.JLabel lblDescricao;

private javax.swing.JLabel lblNome;

private javax.swing.JLabel lblTipo;

private javax.swing.JLabel lblValor;

private javax.swing.JRadioButton rdbComercial;

private javax.swing.JRadioButton rdbResidencial;

private javax.swing.JTable tabCatalogo;

private javax.swing.JTabbedPane tbpMenu;

private javax.swing.JTextArea txtDescricao;

private javax.swing.JTextField txtNome;
```

```
private javax.swing.JTextField txtValor;
```

```
// End of variables declaration
```

```
private void menuConfig() {
```

```
    this.setTitle("Imobiliaria Saito");
```

```
    this.setResizable(false);
```

```
    this.setLocationRelativeTo(null);
```

```
    configTabela();
```

```
}
```

```
private void configTabela() {
```

```
    DefaultTableModel m = new DefaultTableModel(){
```

```
        //desativar a edicao
```

```
        @Override
```

```
        public boolean isCellEditable(int row,int column){
```

```
            return false;
```

```
}
```

```
};
```

```
m.addColumn("Nome");
```

```
m.addColumn("descricao");
```

```
m.addColumn("catalogo");
```

```
m.addColumn("tipo");
```

```
m.addColumn("valor");
```

```
tabCatalogo.setModel(m);
```

```
}
```

catalogo		anunciar	
Title 1	Title 2	Title 3	Title 4

}

The image shows a web form titled "Anunciar" (Announce) with a tabbed interface. The "anunciar" tab is selected. The form contains the following elements:

- nome**: A single-line text input field.
- descrição**: A multi-line text area.
- categoria**: Two radio buttons labeled "residencial" and "comercial".
- tipo (casa, apartamento, etc.)**: A dropdown menu currently showing "Item 1".
- valor**: A single-line text input field.
- enviar**: A button to submit the form.

Link de acesso do GitHub:

<https://github.com/AkiraSaito-png/Atividade-Avaliativa-Final>

5. CONCLUSÃO

Ao realizar esse trabalho pode-se concluir que pode ser percebido os desafios que um programador tem em seu trabalho, e mostrar o nível de compreensão da matéria.

Obrigado pela atenção.