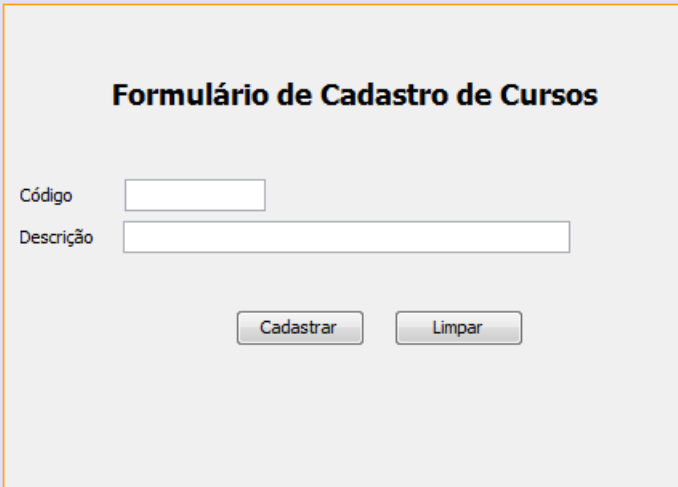


Estudo de Caso

1. Interface Gráfica



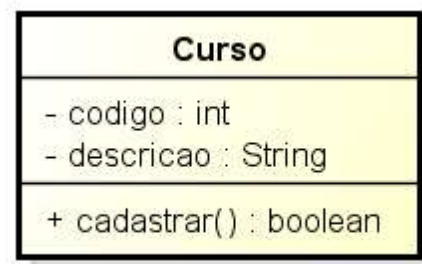
The image shows a graphical user interface for a course registration form. It has a light gray background with a thin orange border. At the top center, the title "Formulário de Cadastro de Cursos" is displayed in bold black text. Below the title, there are two input fields: a small one for "Código" and a larger one for "Descrição". Both fields are empty. At the bottom center, there are two buttons: "Cadastrar" and "Limpar", both with a light gray gradient and a thin black border.

Formulário de Cadastro de Cursos

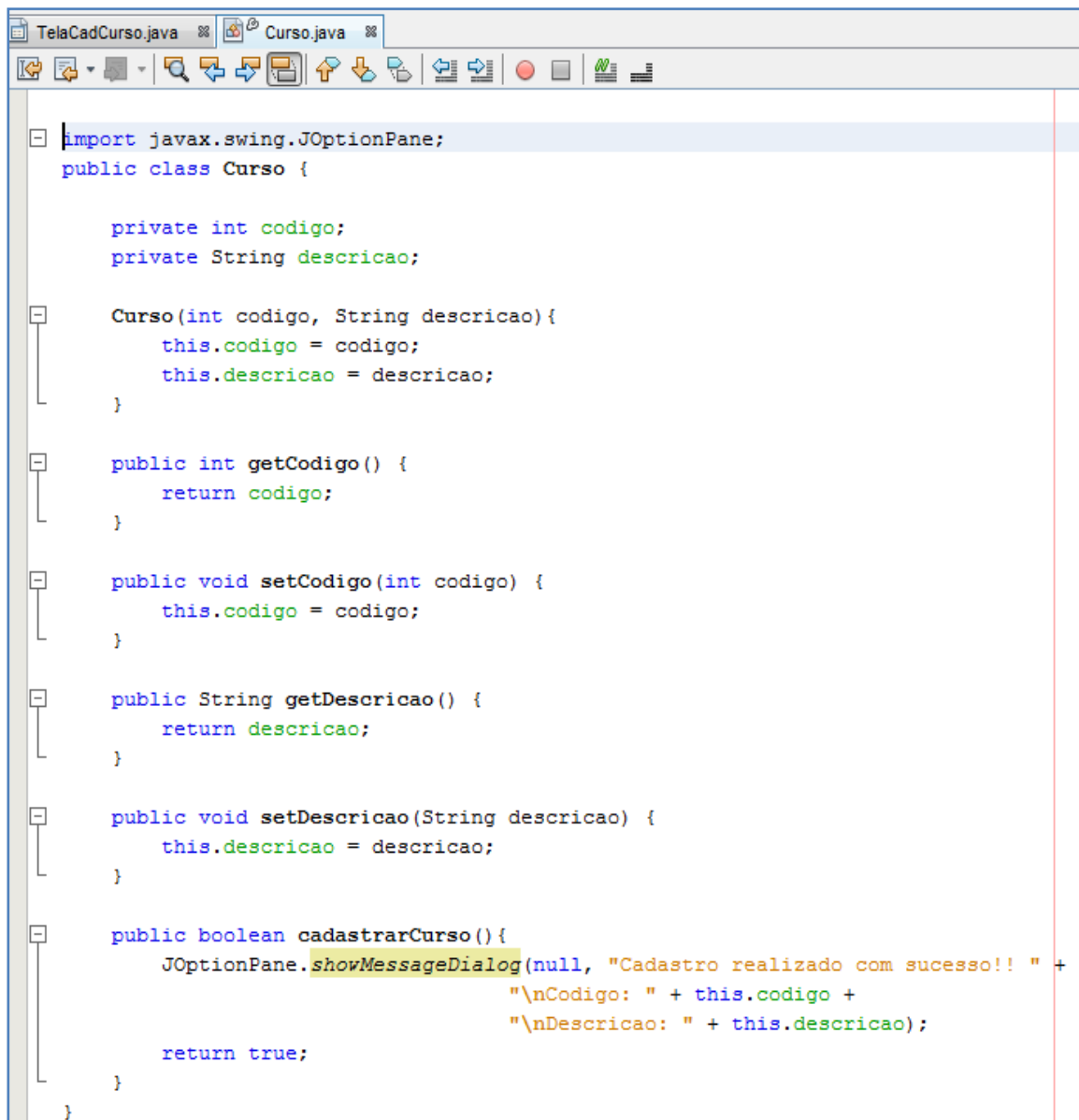
Código

Descrição

2. Modelagem da classe Curso



3. Código do JavaBean da classe Curso



```
import javax.swing.JOptionPane;

public class Curso {

    private int codigo;
    private String descricao;

    Curso(int codigo, String descricao){
        this.codigo = codigo;
        this.descricao = descricao;
    }

    public int getCodigo() {
        return codigo;
    }

    public void setCodigo(int codigo) {
        this.codigo = codigo;
    }

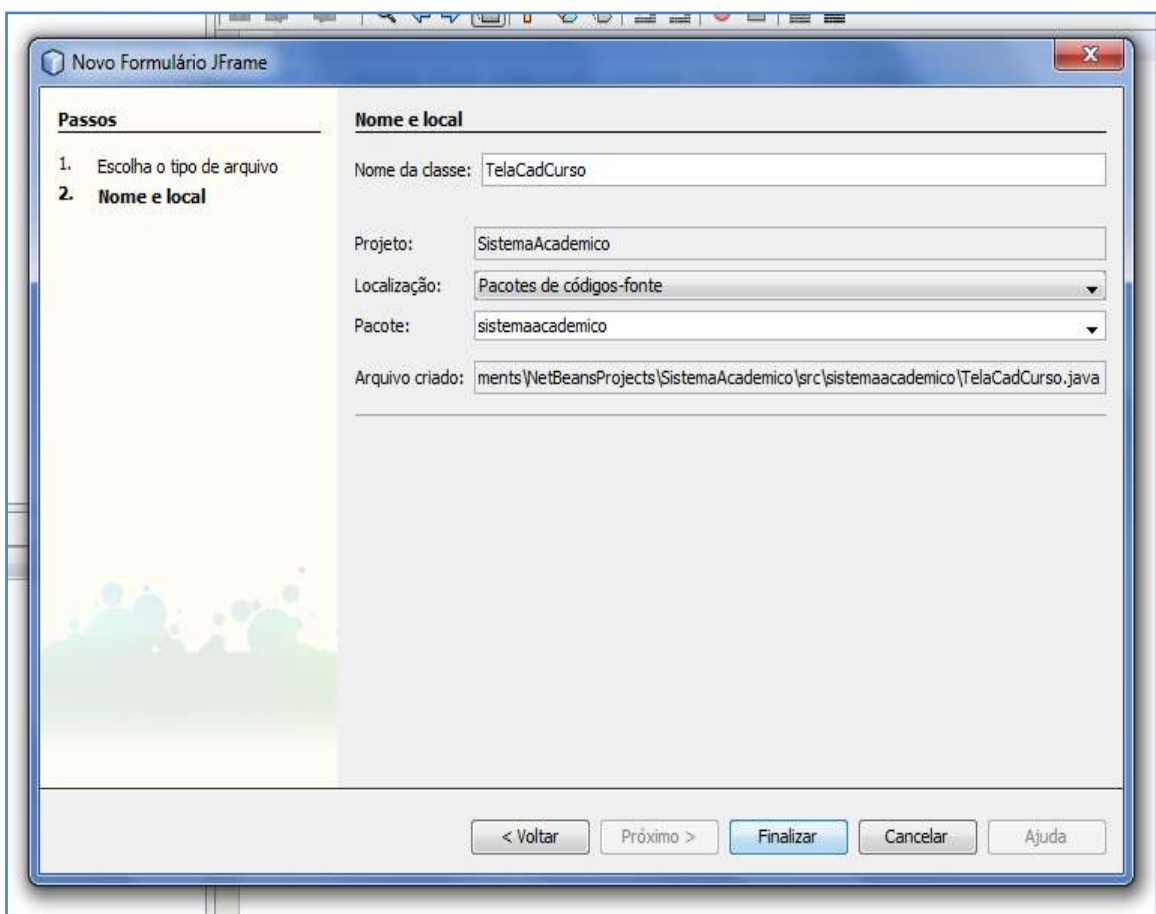
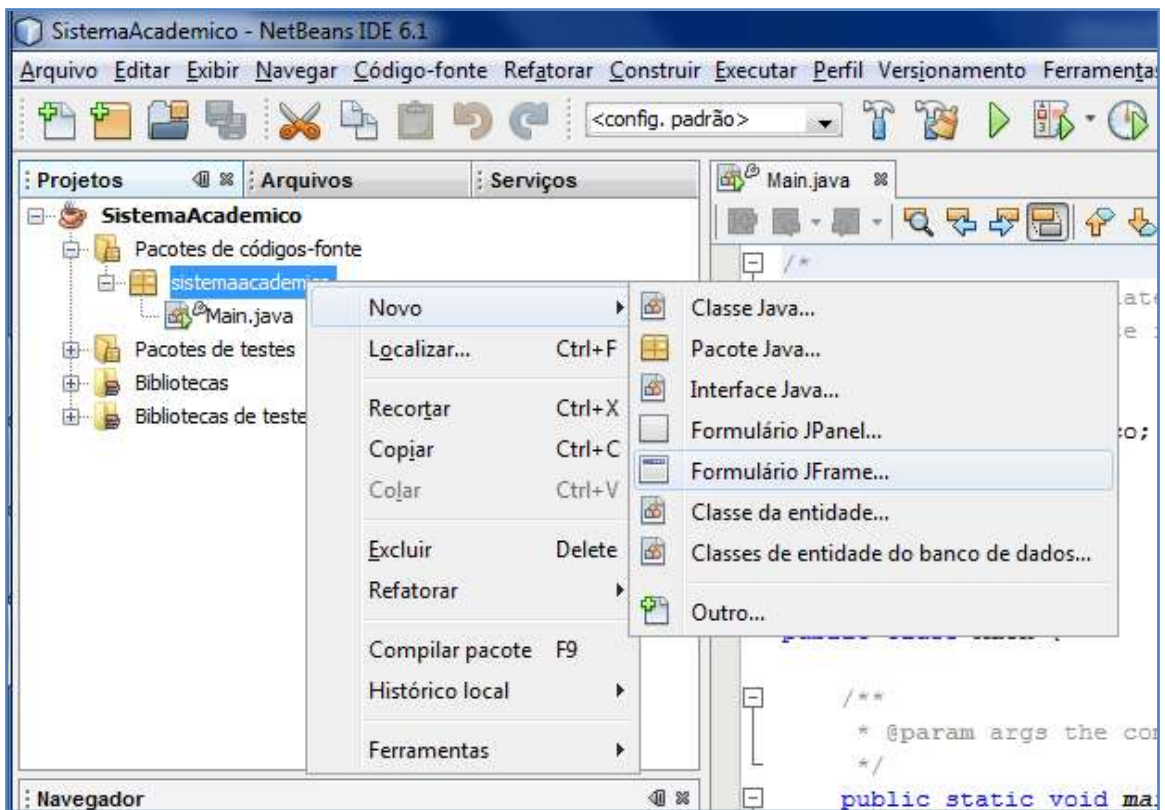
    public String getDescricao() {
        return descricao;
    }

    public void setDescricao(String descricao) {
        this.descricao = descricao;
    }

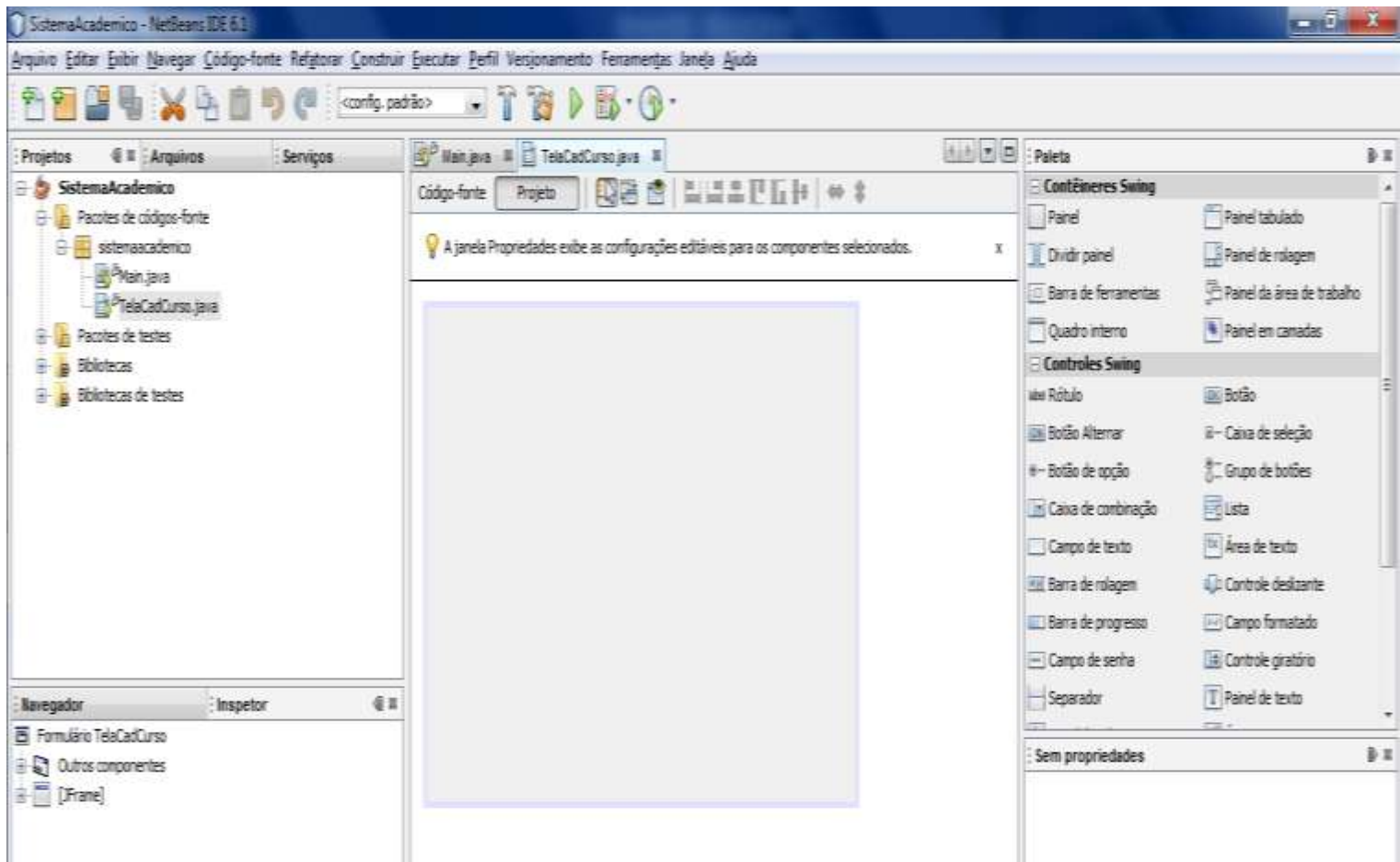
    public boolean cadastrarCurso(){
        JOptionPane.showMessageDialog(null, "Cadastro realizado com sucesso!! " +
                                         "\nCodigo: " + this.codigo +
                                         "\nDescricao: " + this.descricao);

        return true;
    }
}
```

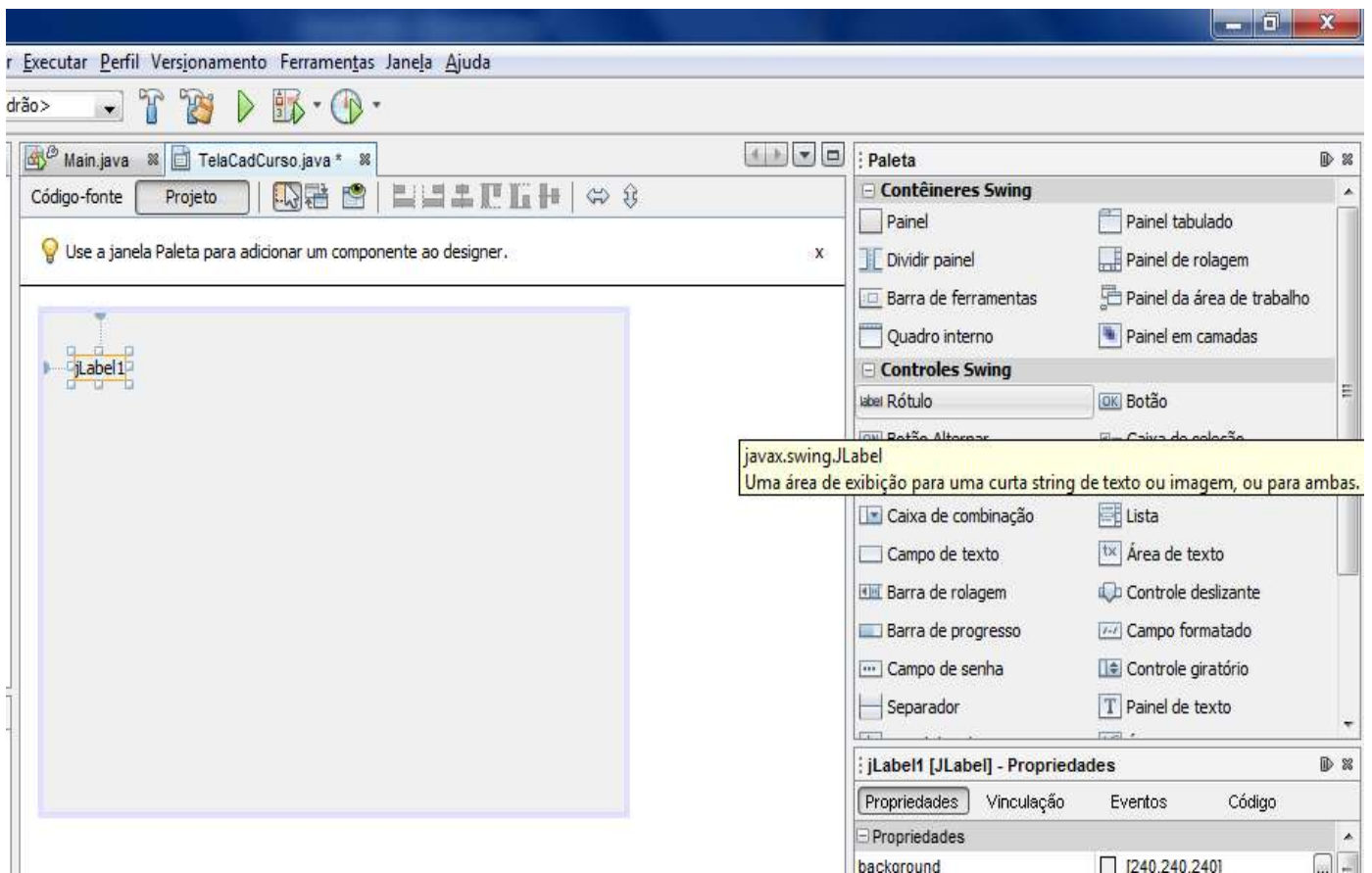
4. Criação da Classe TelaCadCurso com formulário JFrame



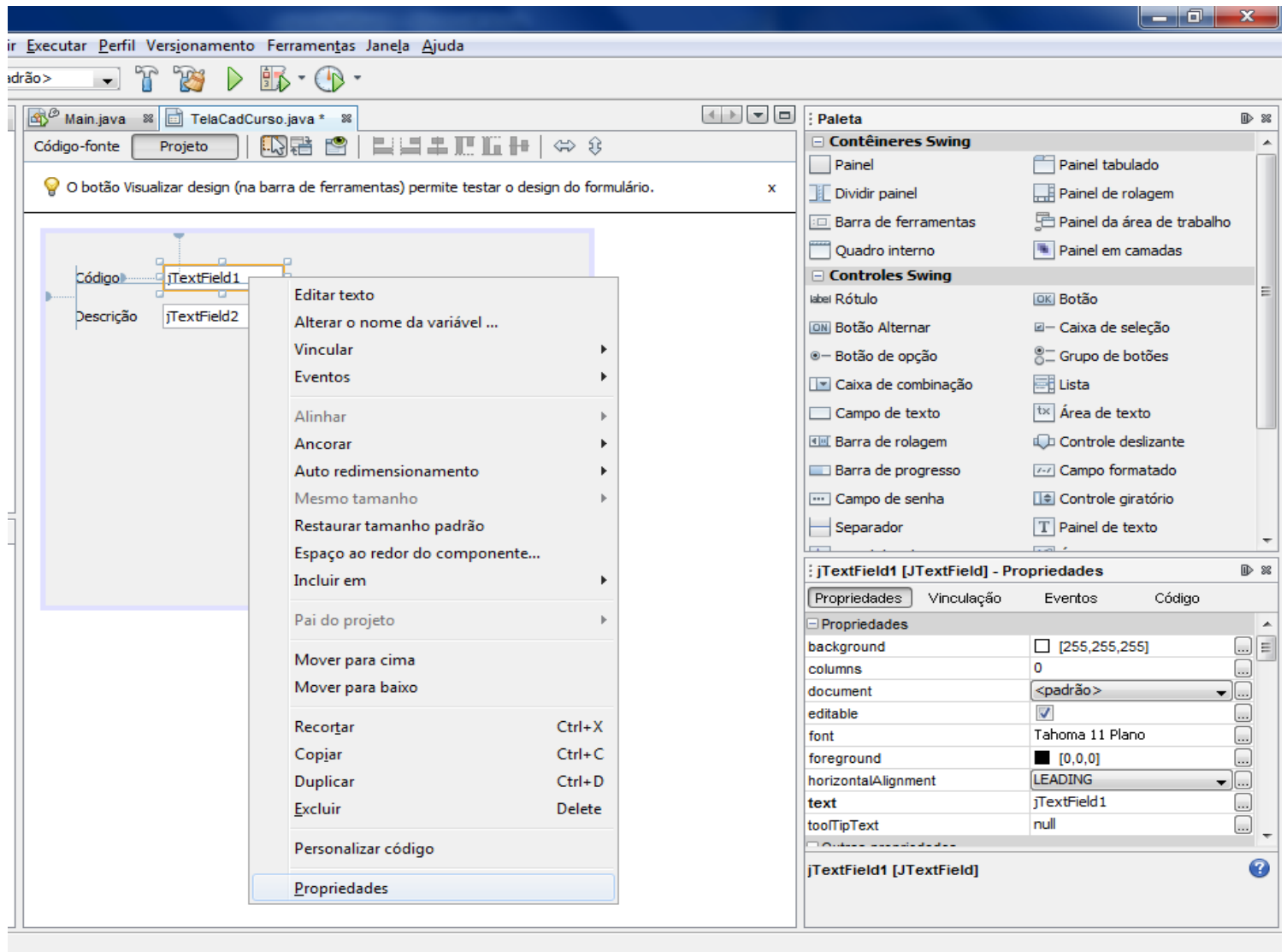
5. Classe TelaCadCurso criada.



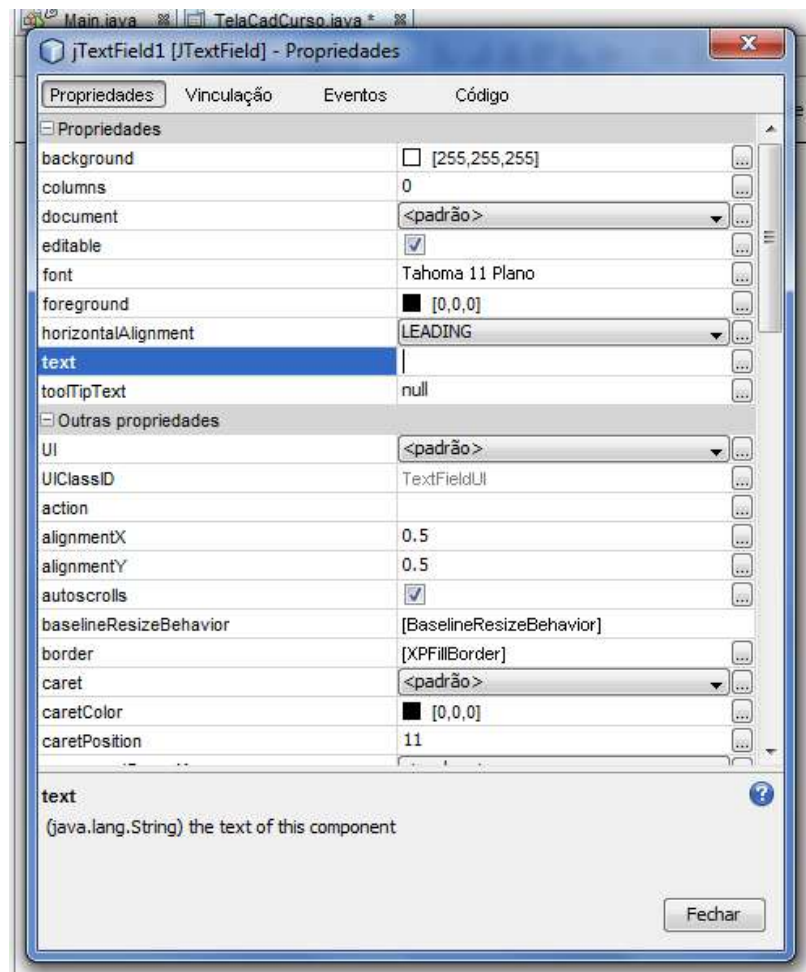
6. Criação de rótulos (JLabel)



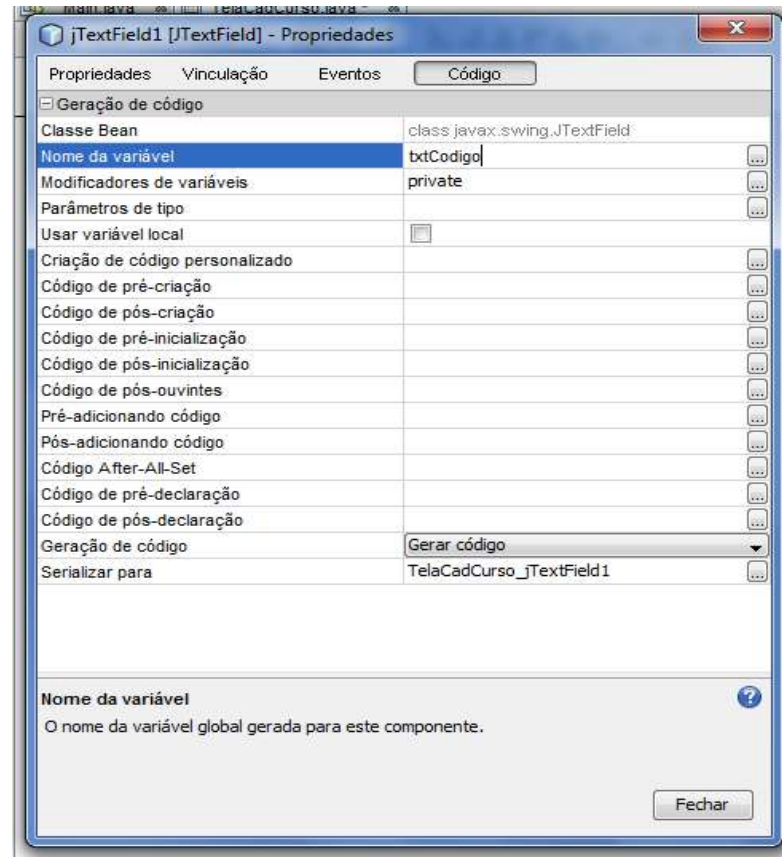
7. Criação de campos texto (JTextField)
8. Alterando propriedade dos objetos da tela



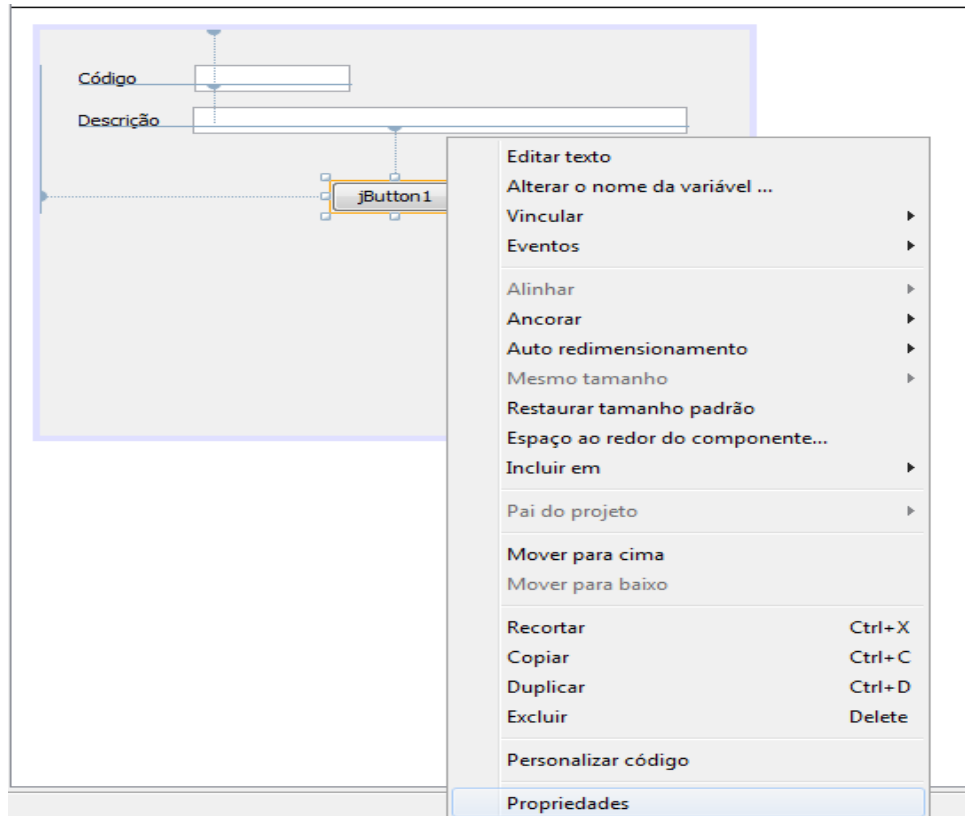
9. Removendo o texto padrão



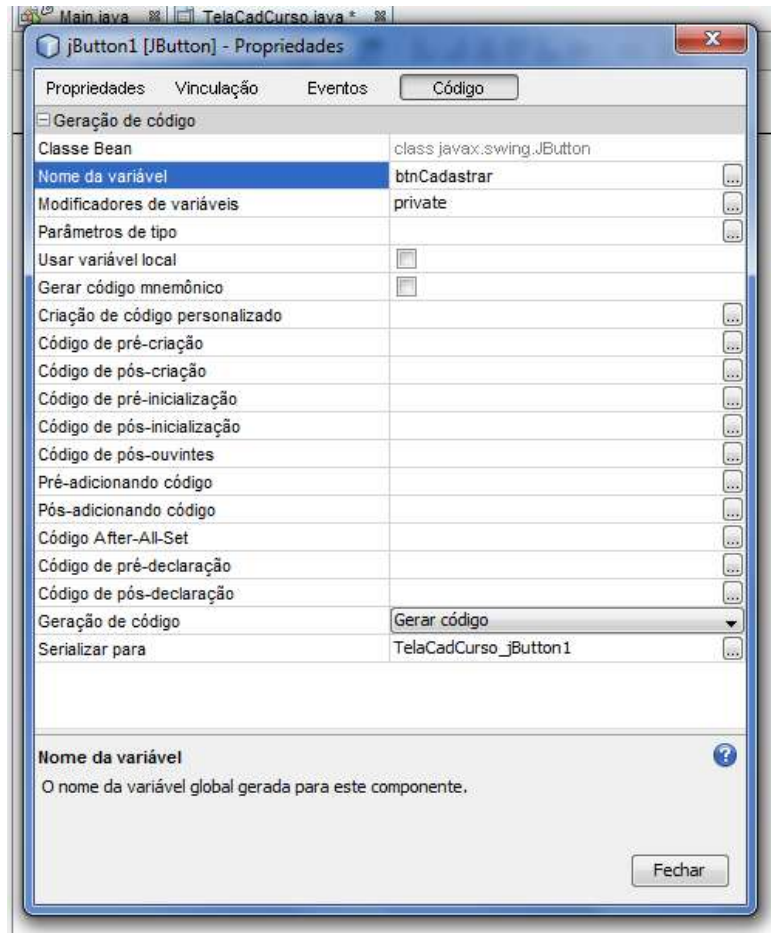
10. Renomeando variável do objeto



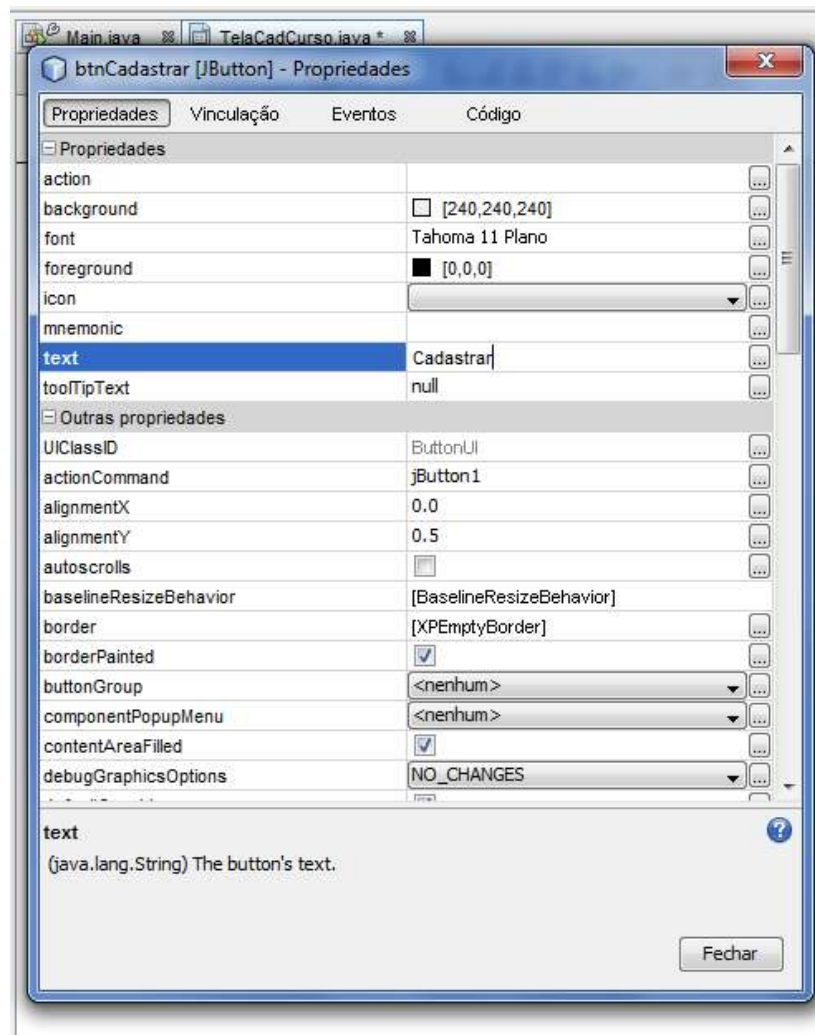
11. Modificando propriedades do botão



12. Renomeando objeto do botão



13. Definindo o texto do botão

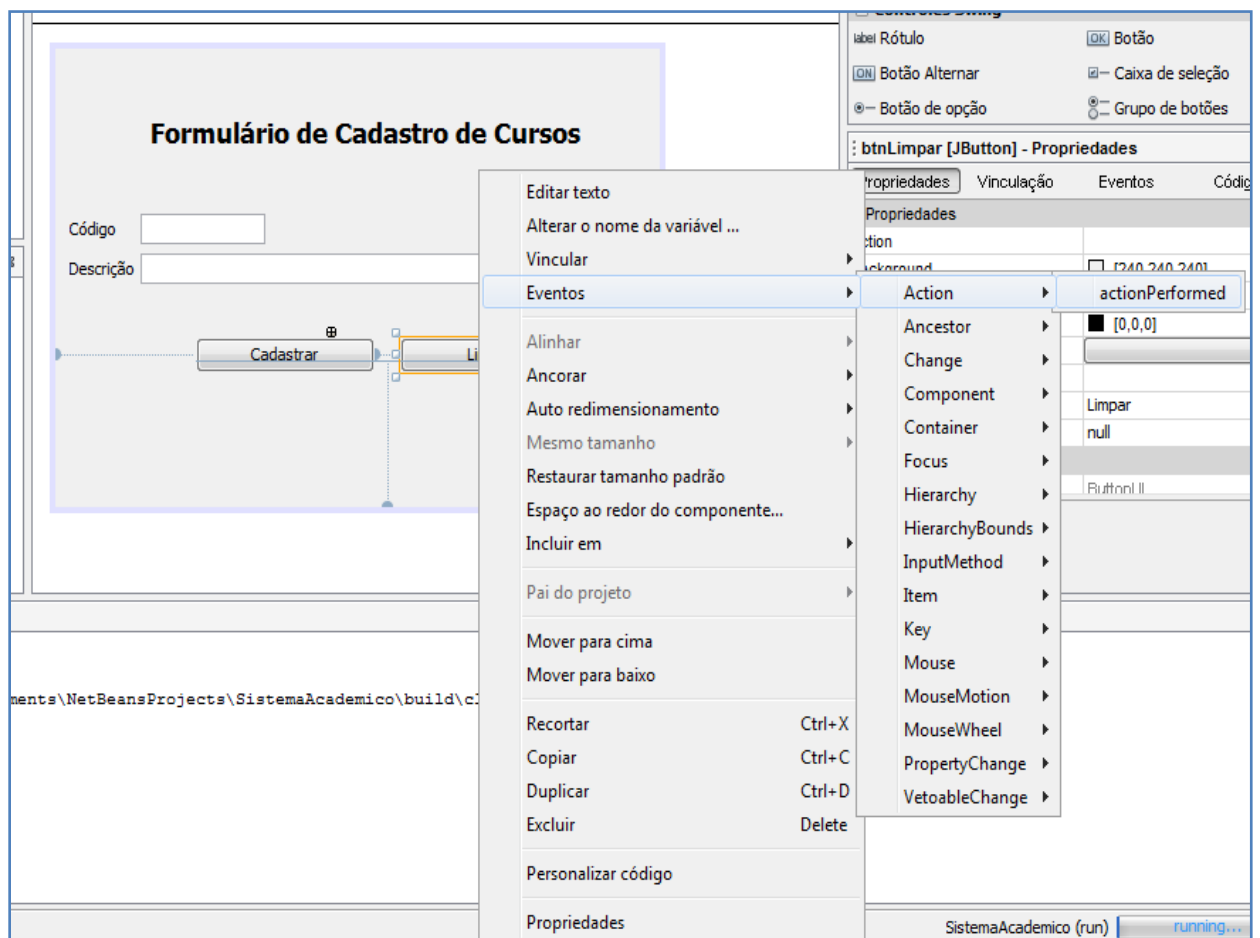


Formulário de Cadastro de Cursos

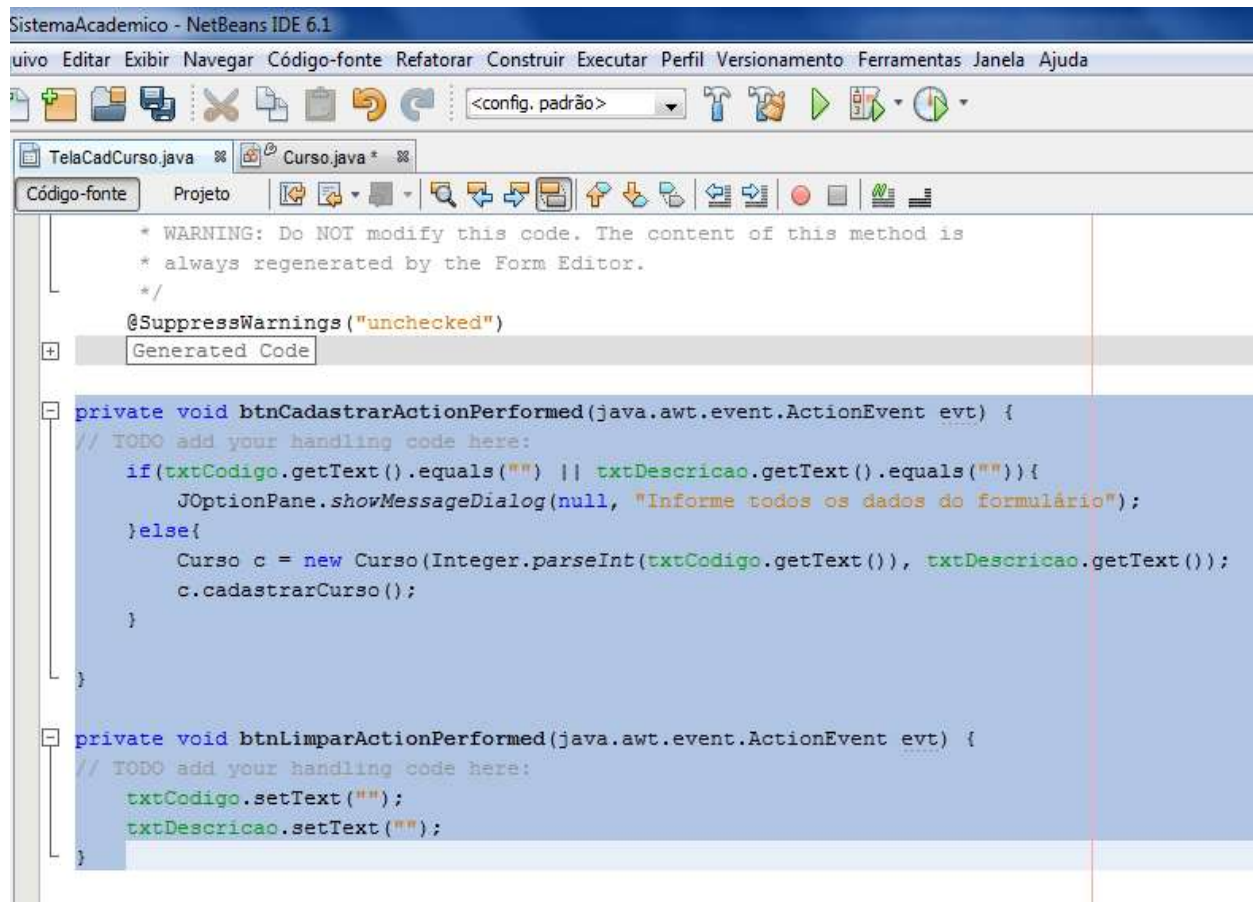
Código

Descrição

14. Definindo ação para o botão



15. Código de ação do botão



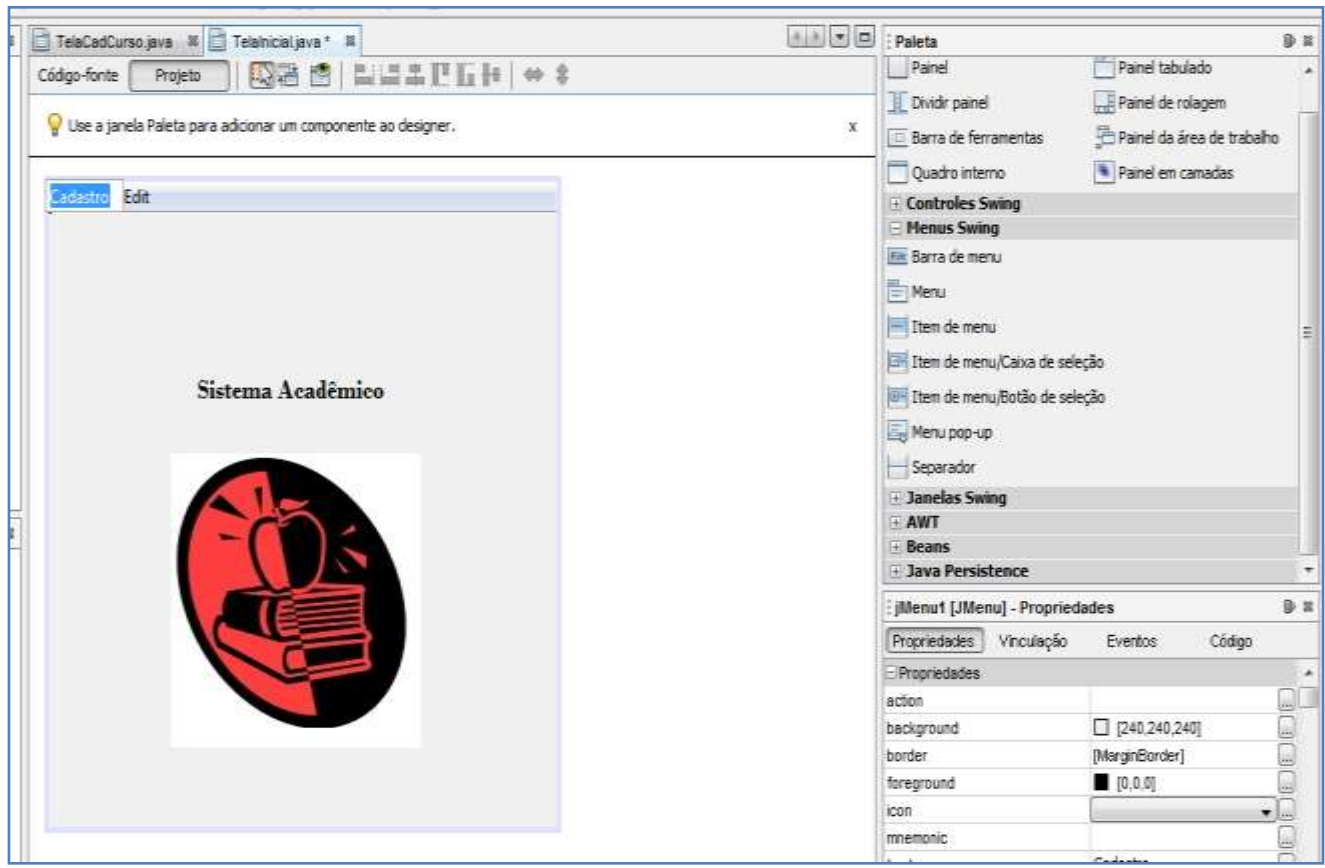
The screenshot shows the NetBeans IDE 6.1 interface. The title bar reads "SistemaAcademico - NetBeans IDE 6.1". The menu bar includes "Arquivo", "Editar", "Exibir", "Navegar", "Código-fonte", "Refatorar", "Construir", "Executar", "Perfil", "Versionamento", "Ferramentas", "Janela", and "Ajuda". The toolbar contains various icons for file operations, navigation, and development. The project explorer on the left shows "TelaCadCurso.java" and "Curso.java *". The "Código-fonte" tab is active, displaying the source code of "Curso.java". The code includes a warning comment, a suppression annotation, and two event listener methods: "btnCadastrarActionPerformed" and "btnLimparActionPerformed".

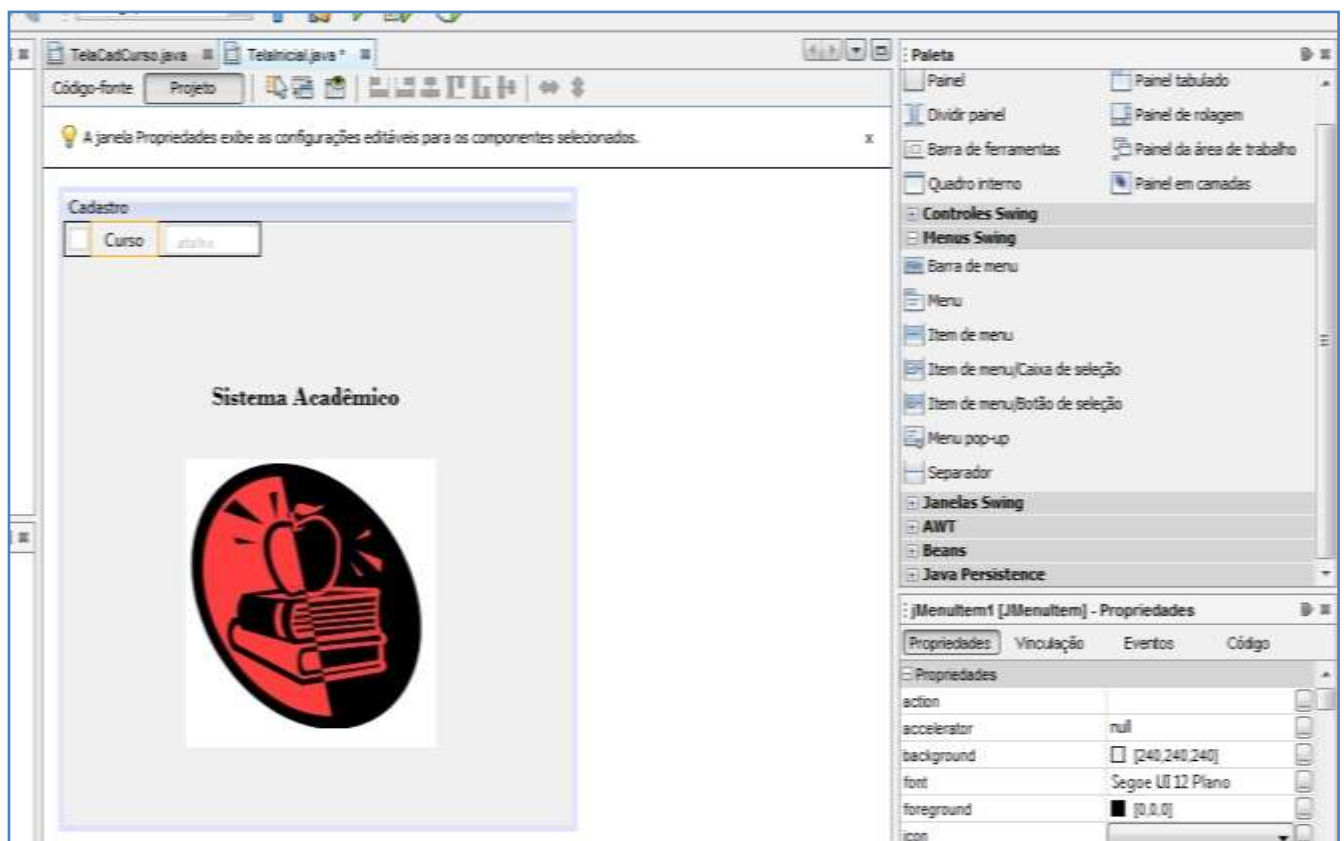
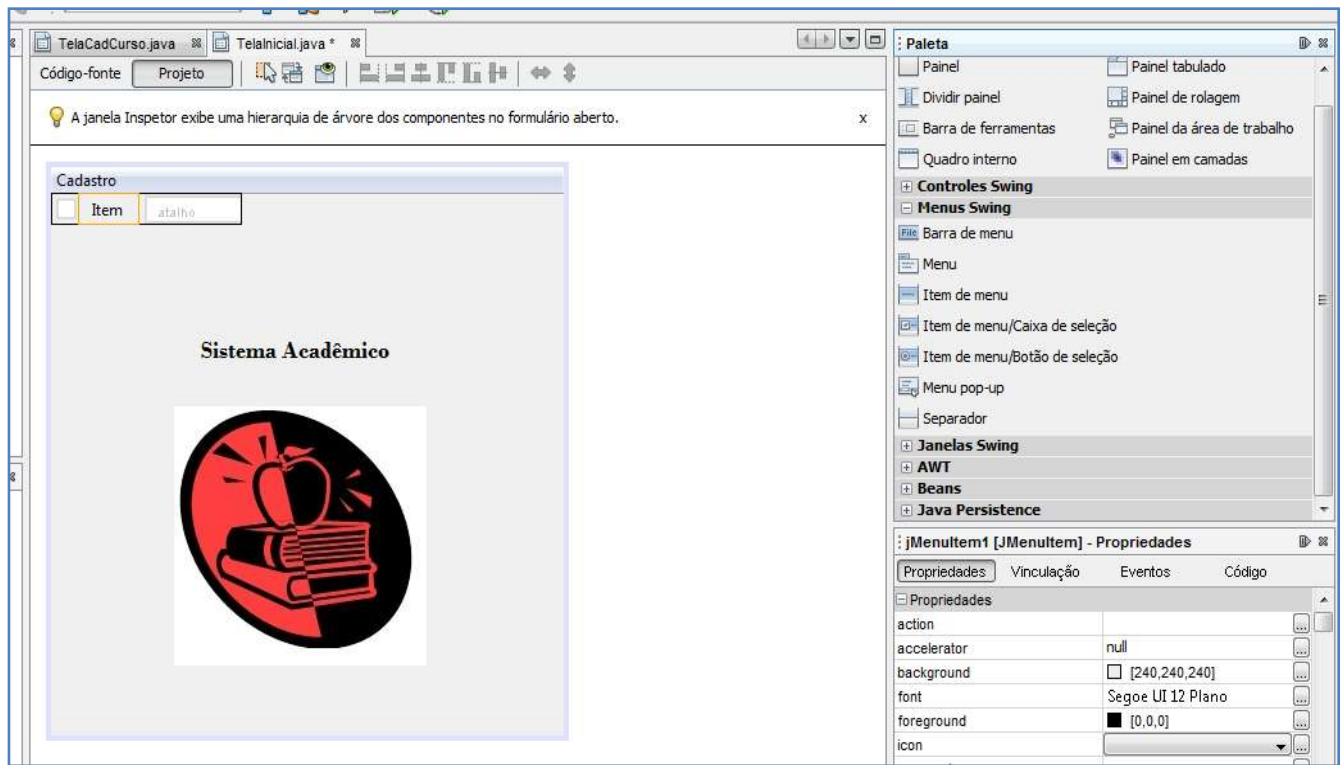
```
* WARNING: Do NOT modify this code. The content of this method is
* always regenerated by the Form Editor.
*/
@SuppressWarnings("unchecked")
Generated Code

private void btnCadastrarActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(txtCodigo.getText().equals("") || txtDescricao.getText().equals("")){
        JOptionPane.showMessageDialog(null, "Informe todos os dados do formulário");
    }else{
        Curso c = new Curso(Integer.parseInt(txtCodigo.getText()), txtDescricao.getText());
        c.cadastrarCurso();
    }
}

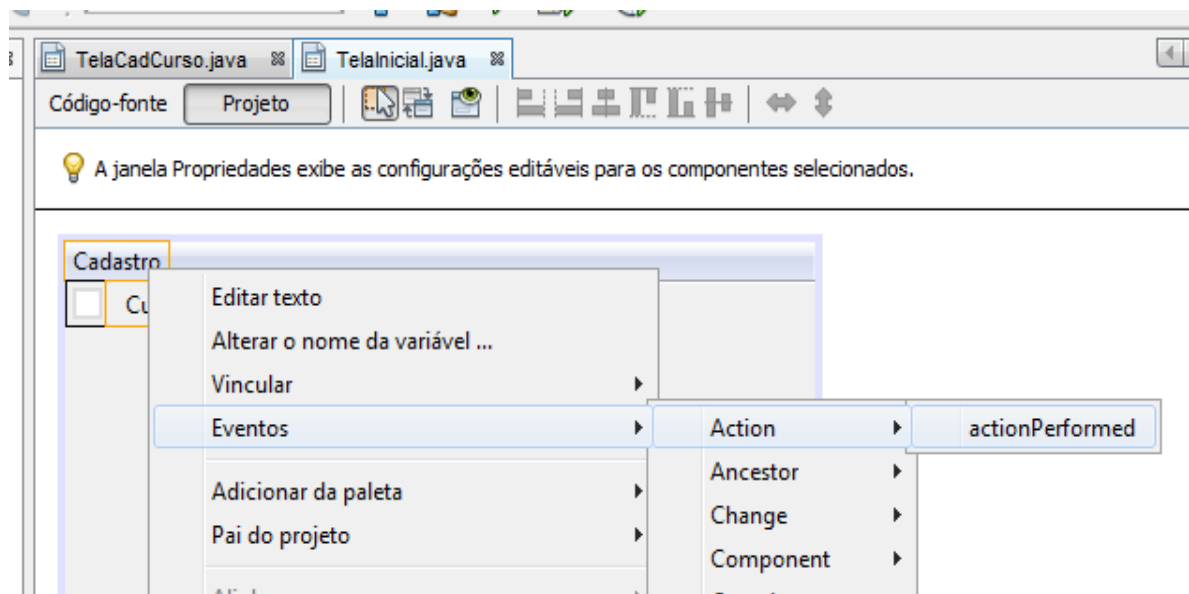
private void btnLimparActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    txtCodigo.setText("");
    txtDescricao.setText("");
}
```

16. Trabalhando com menus

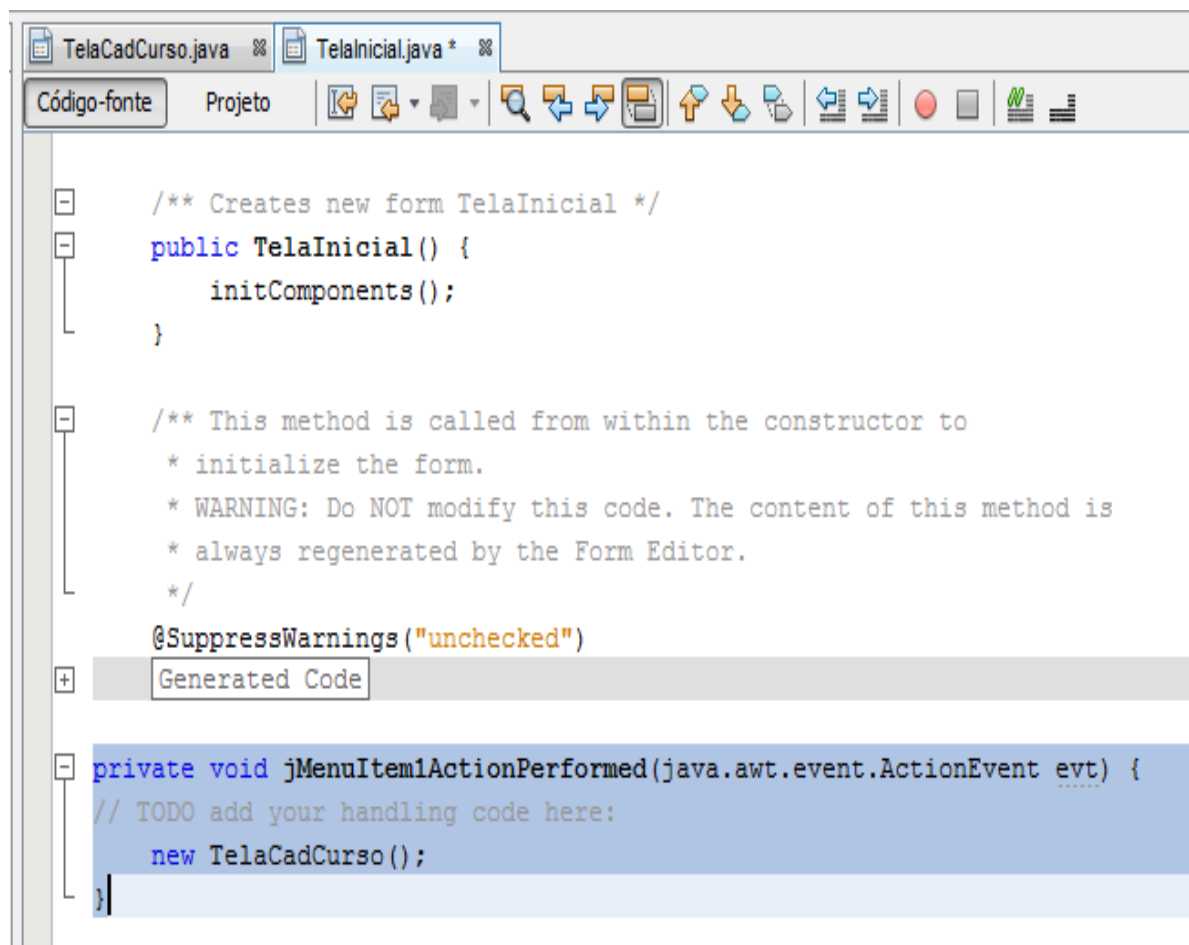




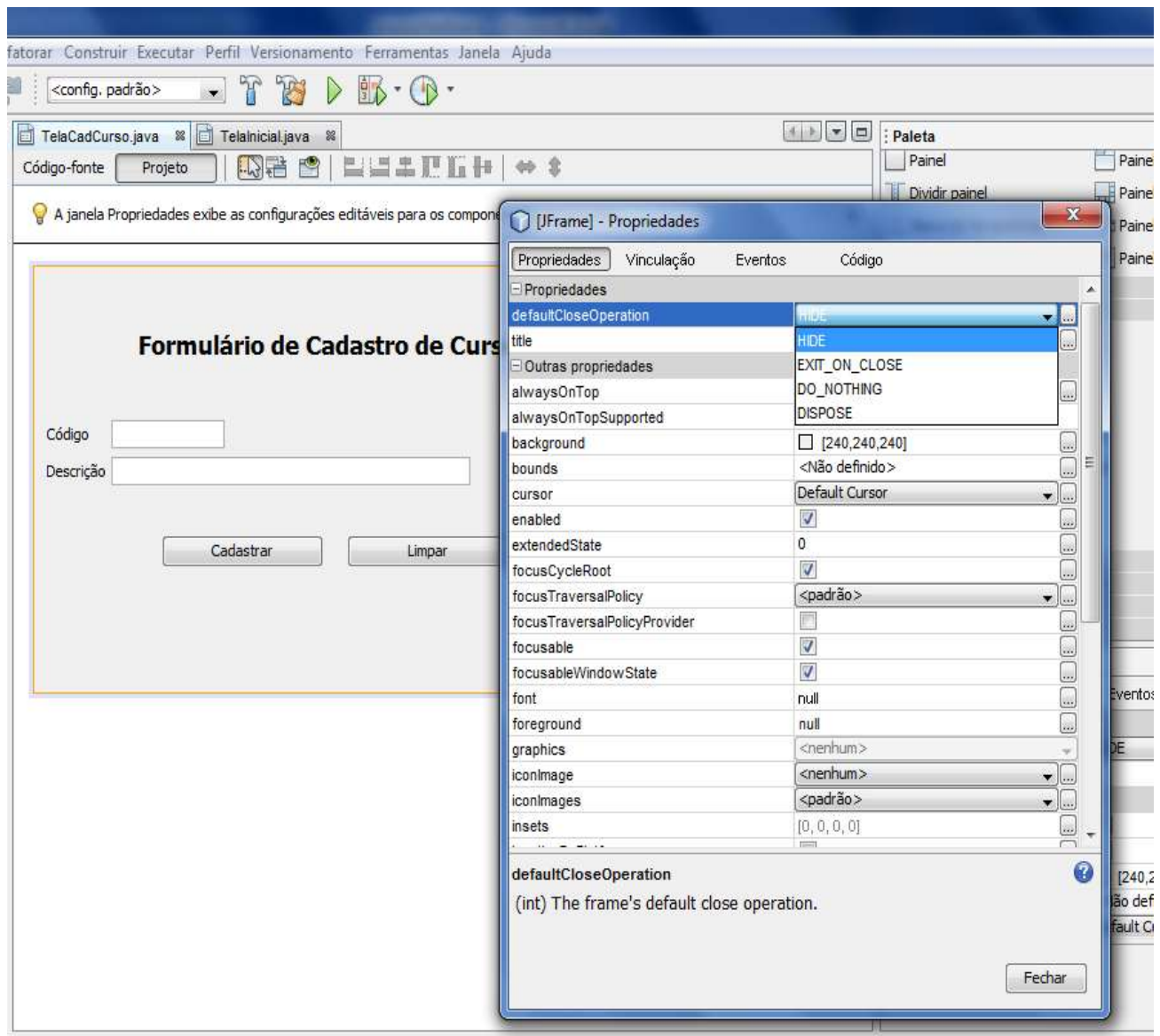
17. Definindo ação do menu



18. Chamando TelaCadCurso



19. Tratamento para fechamento das janelas.
20. Impede que toda a aplicação seja fechada ao fechar uma janela.



1. Definindo tela principal do projeto
2. Seleccionando classe principal

