



UNINABUCO

ANÁLISE E DESENVOLVIMENTO DE SOFTWARE
TÓPICOS INTEGRADORES II

Documentação de Projeto de Software

Versão 5.0

Autor(a): Jefferson Queiroz Pereira de Melo

Link do *Github*:

<https://github.com/1989jeffesonqueiroz/Sistema-de-Biblioteca>

2020

Controle de Versão do Documento

Data	Versão	Descrição
30/03/2020	1.0	Elaboração da parte teórica do projeto, bem como dos modelos: de visão, lógico, físico, conceitual e do dicionário de dados.
07/04/2020	2.0	Alteração no Modelo ER, Dicionário de dados, Modelo físico. Foram retiradas as tabelas: Livro_editora e Livro_Autor , acrescentado chaves estrangeira na tabela livro.
27/04/2020	3.0	Exclusão da tabela ADM do modelo lógico e dicionário de dados. Exclusão dos atributos da entidade ADM do modelo conceitual. Retificação do Modelo de visão. Mudança das chaves estrangeiras de id_adm para id_login nas entidades: Livro, Editora, autor, leitor e funcionário. Foi acrescentado um atributo Tipo na entidade Login.
24/05/2020	4.0	Inclusão do Diagrama de Classes, Criação das telas e das classes da camada <i>View</i>
03/06/2020	5.0	Inclusão das classes da camada <i>controller</i>

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1. Introdução ao Documento

1.1. Área de negócio do Sistema

O presente projeto é voltado para a área educacional, em específico para as bibliotecas. O intuito é proporcionar o gerenciamento do empréstimo de livros de forma similar ao software PERGAMUM já existente nas universidades públicas do estado.

1.2. Principais funcionalidades

O sistema de controle de biblioteca tem como funcionalidades: cadastrar, consultar, editar e excluir: leitores, livros, autores, editoras, funcionários, extrair relatórios, determinar prazo de devolução e aplicar multa em caso de descumprimento da data limite.

1.3. Método de trabalho

Inicialmente foi realizado o levantamento de requisitos do sistema. Em seguida, deu-se prosseguimento à criação de um diagrama entidade relacionamento (modelo ER) visando um melhor entendimento acerca do funcionamento do banco de dados. Para tal utilizou-se a ferramenta de modelagem em banco de dados BrModelo. O projeto, Sistema de Biblioteca, foi desenvolvido com a linguagem de programação Java, cuja interação deu-se com SGBD *MySQL*. Este foi manipulado através do *software HeidiSQL*.

2. Modelo de Dados

2.1. Modelo de Visão

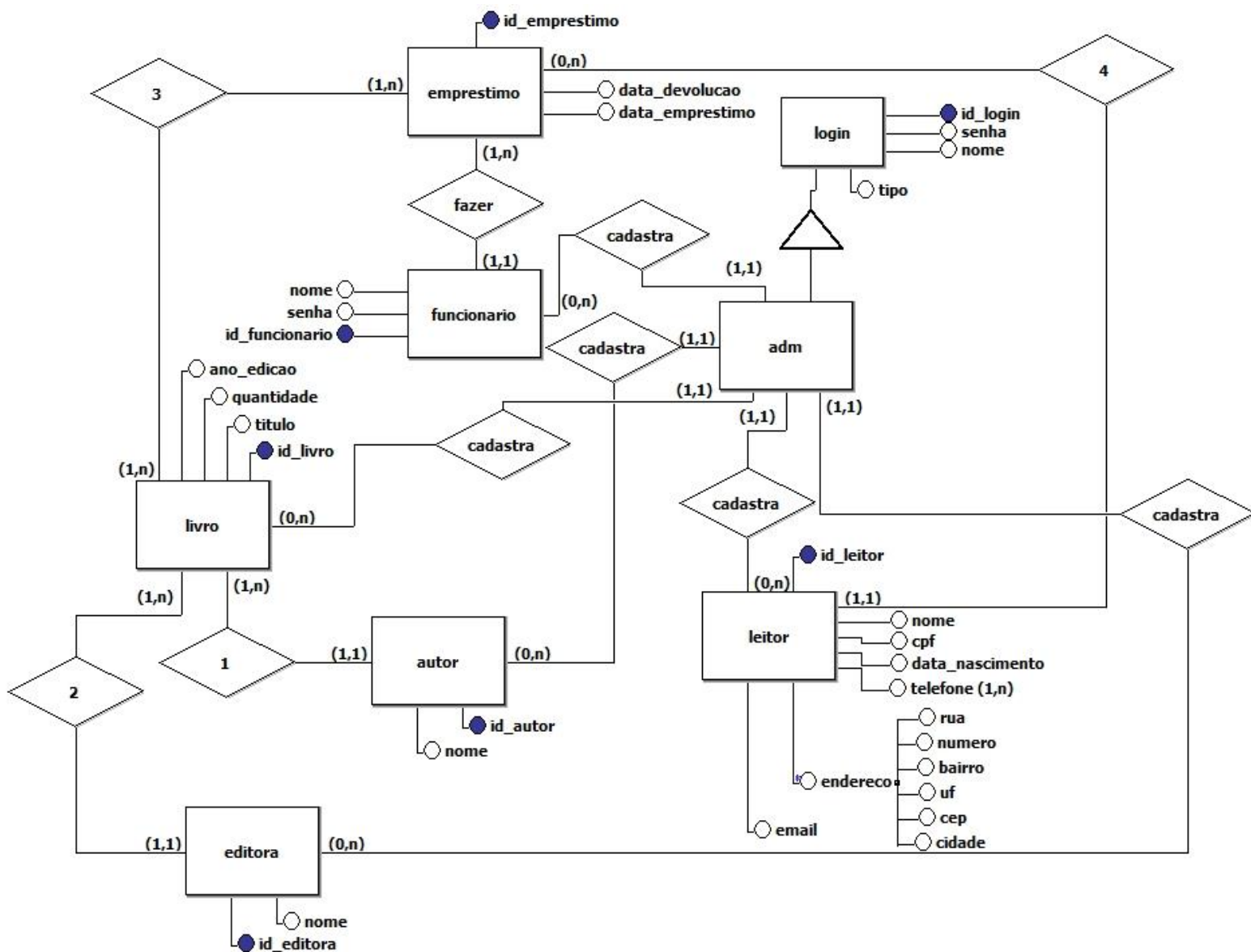
- Apenas o login do tipo administrador poderá cadastrar funcionários, leitores, livros, autores, editoras.
- Os leitores só poderão ser pessoas físicas e, no cadastro, será solicitado: Nome, data de nascimento, telefone, CPF, E-mail e endereço. Ao final, se atribuirá um ID que será o *Primary Key*.
- Para cadastrar um livro, será necessário primeiramente cadastrar o autor e editora do mesmo para poder realizar o cadastro do livro, que será solicitado: Título, autor, editora, ano da edição e quantidade. Ao final, se atribuirá um ID que será o *Primary Key*.
- O empréstimo será realizado apenas pelo funcionário.
- No empréstimo, será requisitado o nome do leitor previamente cadastrado. Este escolherá um ou mais livros, será registrado a data do empréstimo e a data de devolução e será atribuído um ID que será o *Primary Key*.

- O prazo para devolução é de uma semana. Ao leitor, não será permitido a entrega de apenas um dos livros, caso tenha pego mais de um. Devolve-se tudo de uma só vez, ou renova. A opção de renovação pode ser feita por duas vezes. A cada dia de atraso, será cobrado um valor de R\$1,00.

O sistema possibilitará a extração de relatórios de várias formas:

- Relação dos leitores;
- Relação dos livros;
- Quantidade de livros emprestados por leitor;
- Quantidade de leitores que fizeram empréstimos de um determinado livro.

2.2. Modelo Conceitual



2.3. Modelo Lógico

login (id_login, nome, senha, tipo)

id_login – Primary Key

autor (id_autor, nome, id_login)

id-autor – Primary Key

id_login referencia login - Foreign Key

editora (id_editora, nome, id_login)

id_editora - Primary Key

id_login referencia login - Foreign Key

livro (id_livro, titulo, volume, ano, id_login, id_editora, id_autor)

id_livro - Primary Key

id_login referencia login - Foreign Key

id_editora referencia editora - Foreign Key

Id_autor referencia autor - Foreign Key

leitor (id_leitor, nome, cpf, data_nascimento, telefone, email, rua, número, bairro, cidade, cep, uf, id_login)

id_leitor – Primary Key

id_login referencia Login

emprestimo (id_emprestimo, data_emprestimo, data_devolucao, id_funcionario, id_leitor)

id_emprestimo – Primary Key

id_funcionario referencia funcionário - Foreign Key

id_leitor referencia leitor - Foreign Key

funcionario (id_funcionario, nome, senha, id_login)

id_funcionario – Primary Key

id_login referencia login - Foreign Key

emprestimo livro (id_emprestimo, id_livro)

id_emprestimo referencia empréstimo – Primary Key

id_livro referencia livro - Primary Key

2.4. Dicionário de Dados

Tabela 1. Login

Identificador	Tipo (tamanho)	Obrigatório	Chave	Descrição
Id	Integer	Sim	PK	Chave Primária da tabela, Auto_Increment
Nome	Varchar,100	Sim		Nome do usuário que está logando
Senha	Varchar,50	Sim		Senha do usuário que está logando
Tipo	Varchar,11	Sim		Contém os dados se a conta logada é Admin ou Funcionário

Tabela 2. Autor

Identificador	Tipo (tamanho)	Obrigatório	Chave	Descrição
Id	Integer	Sim	PK	Chave Primária da tabela, Auto_Increment
Nome	Varchar,100	Sim		Nome do autor
Id_login	Integer	Sim	FK	Referência à Tabela login

Tabela 3. Livro

Identificador	Tipo (tamanho)	Obrigatório	Chave	Descrição
Id	Integer	Sim	PK	Chave Primária da tabela, Auto_Increment
Título	Varchar,100	Sim		Nome do Livro,
Volume	Integer	Sim		Quantidade em estoque
Ano	Char,4	Sim		Ano da edição do livro
Id_login	Integer	Sim	FK	Referencia à Tabela login
Id_editora	Integer	Sim	FK	Referencia à Tabela Editora
Id_autor	Integer	Sim	FK	Referencia à Tabela Autor

Tabela 4. Funcionario

Identificador	Tipo (tamanho)	Obrigatório	Chave	Descrição
Id	Integer	Sim	PK	Chave Primária da tabela, Auto_Increment
Nome	Varchar,100	Sim		Nome do funcionário,
Senha	Varchar,50	Sim		Senha do funcionário
Id_login	Integer	Sim	FK	Referencia à tabela login

Tabela 5. Emprestimo

Identificador	Tipo (tamanho)	Obrigatório	Chave	Descrição
Id	Integer	Sim	PK	Chave Primária da tabela, Auto_Increment
Data_emprestimo	Date	Sim		Data da locação do(s) Livro(s)
Data_devolucao	Date	Sim		Data da entrega do(s) Livro(s)
Id_funcionario	Integer	Sim	FK	Referencia à Tabela Funcionario
Id_leitor	Integer	Sim	FK	Referencia à Tabela Leitor

Tabela 6. Leitor

Identificador	Tipo (tamanho)	Obrigatório	Chave	Descrição
Id	Integer	Sim	PK	Chave Primária da tabela, Auto_Increment
Nome	Varchar,100	Sim		Nome do Leitor
Cpf	Char,11	Sim		Cpf do leitor
Data_nascimento	Date	Sim		Data de nascimento do Leitor
Telefone	Char,13	Sim		Telefone do Leitor
Email	Varchar,100	Sim		E-mail do Leitor
Rua	Varchar,100	Sim		Rua do endereço do Leitor
Número	Varchar,10	Sim		Número da residência do Leitor
Bairro	Varchar,50	Sim		Bairro onde reside o leitor
Cidade	Varchar,50	Sim		Cidade onde reside o Leitor
Cep	Char,8	Sim		Cep da rua do Leitor
Uf	Char,2	Sim		Será inserido as siglas de cada estado,
Id_login	Integer	Sim	FK	Referência à tabela login

Tabela 7. emprestimo_livro

Identificador	Tipo (tamanho)	Obrigatório	Chave	Descrição
Id_emprestimo	Integer	Sim	PK	Referencia à Tabela Empréstimo, chave primária composta,
Id_livro	Integer	Sim	PK	Referencia à Tabela Livro. Chave primária composta,

Tabela 8. Editora

Identificador	Tipo (tamanho)	Obrigatório	Chave	Descrição
Id_editora	Integer	Sim	PK	Chave Primária da tabela, Auto_Increment
Nome	Varchar,100	Sim		Nome da editora
Id_login	Integer	Sim	FK	Referência à tabela login

2.5. Modelo Físico

2.5.1. Scripts DDL do banco de dados

Criar Tabela Login

```
CREATE TABLE `login` (
  `id_login` INT NOT NULL AUTO_INCREMENT,
  `nome` VARCHAR(100) NOT NULL,
  `senha` VARCHAR(50) NOT NULL,
  `tipo` VARCHAR(11) NOT NULL,
  PRIMARY KEY (`id_login`)
)
COLLATE='utf8mb4_0900_ai_ci'
ENGINE=InnoDB;
```

Criar Tabela Autor

```
CREATE TABLE `autor` (
  `id_autor` INT NOT NULL AUTO_INCREMENT,
  `nome` VARCHAR(100) NOT NULL,
  `id_login` INT NOT NULL,
  PRIMARY KEY (`id_autor`),
  INDEX `FK_autor_login` (`id_login`),
  CONSTRAINT `FK_autor_login` FOREIGN KEY (`id_login`) REFERENCES
  `login` (`id_login`)
)
COLLATE='utf8mb4_0900_ai_ci'
ENGINE=InnoDB;
```

Criar Tabela Editora

```
CREATE TABLE `editora` (  
  `id_editora` INT NOT NULL AUTO_INCREMENT,  
  `nome` VARCHAR(100) NOT NULL,  
  `id_login` INT NOT NULL,  
  PRIMARY KEY (`id_editora`),  
  INDEX `FK_editora_login` (`id_login`),  
  CONSTRAINT `FK_editora_login` FOREIGN KEY (`id_login`) REFERENCES  
  `login` (`id_login`)  
)  
COLLATE='utf8mb4_0900_ai_ci'  
ENGINE=InnoDB;
```

Criar Tabela Livro

```
CREATE TABLE `livro` (  
  `id_livro` INT NOT NULL AUTO_INCREMENT,  
  `titulo` VARCHAR(100) NOT NULL,  
  `volume` INT NOT NULL,  
  `ano` CHAR(4) NOT NULL,  
  `id_login` INT NOT NULL,  
  `id_editora` INT NOT NULL,  
  `id_autor` INT NOT NULL,  
  PRIMARY KEY (`id_livro`),  
  INDEX `FK_livro_login` (`id_login`),  
  INDEX `FK_livro_editora` (`id_editora`),  
  INDEX `FK_livro_autor` (`id_autor`),  
  CONSTRAINT `FK_livro_autor` FOREIGN KEY (`id_autor`) REFERENCES  
  `autor` (`id_autor`),  
  CONSTRAINT `FK_livro_editora` FOREIGN KEY (`id_editora`) REFERENCES  
  `editora` (`id_editora`),  
  CONSTRAINT `FK_livro_login` FOREIGN KEY (`id_login`) REFERENCES `login`  
  (`id_login`)  
)  
COLLATE='utf8mb4_0900_ai_ci'  
ENGINE=InnoDB;
```

Criar Tabela Funcionário

```
CREATE TABLE `funcionario` (  
  `id_funcionario` INT NOT NULL AUTO_INCREMENT,  
  `nome` VARCHAR(100) NOT NULL,  
  `senha` CHAR(50) NOT NULL,  
  `id_login` INT NOT NULL,  
  PRIMARY KEY (`id_funcionario`),  
  INDEX `FK_funcionario_login` (`id_login`),  
  CONSTRAINT `FK_funcionario_login` FOREIGN KEY (`id_login`) REFERENCES  
  `login` (`id_login`)  
)  
COLLATE='utf8mb4_0900_ai_ci'  
ENGINE=InnoDB  
AUTO_INCREMENT=21;
```

Criar Tabela Leitor

```
CREATE TABLE `leitor` (  
  `id_leitor` INT NOT NULL AUTO_INCREMENT,  
  `nome` VARCHAR(100) NOT NULL,  
  `cpf` CHAR(11) NOT NULL,  
  `data_nascimento` DATE NOT NULL,  
  `telefone` CHAR(13) NOT NULL,  
  `email` VARCHAR(100) NOT NULL,  
  `rua` VARCHAR(100) NOT NULL,  
  `numero` VARCHAR(10) NOT NULL,  
  `bairro` VARCHAR(50) NOT NULL,  
  `cidade` VARCHAR(50) NOT NULL,  
  `cep` CHAR(8) NOT NULL,  
  `uf` CHAR(2) NOT NULL,  
  `id_login` INT NOT NULL,  
  PRIMARY KEY (`id_leitor`),  
  INDEX `FK_leitor_login` (`id_login`),  
  CONSTRAINT `FK_leitor_login` FOREIGN KEY (`id_login`) REFERENCES  
  `login` (`id_login`)  
)  
COLLATE='utf8mb4_0900_ai_ci'  
ENGINE=InnoDB;
```

Criar Tabela Empréstimo

```
CREATE TABLE `emprestimo` (  
  `id_emprestimo` INT NOT NULL AUTO_INCREMENT,  
  `data_emprestimo` DATE NOT NULL,  
  `data_devolucao` DATE NOT NULL,  
  `id_funcionario` INT NOT NULL,  
  `id_leitor` INT NOT NULL,  
  PRIMARY KEY (`id_emprestimo`),  
  INDEX `id_funcionario` (`id_funcionario`),  
  INDEX `id_leitor` (`id_leitor`),  
  CONSTRAINT `FK_emprestimo_funcionario` FOREIGN KEY (`id_funcionario`) REFERENCES  
  `funcionario` (`id_funcionario`),  
  CONSTRAINT `FK_emprestimo_leitor` FOREIGN KEY (`id_leitor`) REFERENCES  
  `leitor` (`id_leitor`)  
)  
COLLATE='utf8mb4_0900_ai_ci'  
ENGINE=InnoDB;
```

Criar Tabela Empréstimo_Livro

```
CREATE TABLE `emprestimo_livro` (  
  `id_emprestimo` INT NOT NULL AUTO_INCREMENT,  
  `id_livro` INT NOT NULL,  
  INDEX `FK_emprestimo_livro_emprestimo` (`id_emprestimo`),  
  INDEX `FK_emprestimo_livro_livro` (`id_livro`),  
  CONSTRAINT `FK_emprestimo_livro_emprestimo` FOREIGN KEY  
  (`id_emprestimo`) REFERENCES `emprestimo` (`id_emprestimo`),
```

```

CONSTRAINT `FK_emprestimo_livro_livro` FOREIGN KEY (`id_livro`)
REFERENCES `livro` (`id_livro`)
)
COLLATE='utf8mb4_0900_ai_ci'
ENGINE=InnoDB;

```

2.5.2. Comandos *Insert*

Visando alimentar cada tabela com 5 registros.

```

insert into login (nome, senha, tipo) values ('Otávio','tico3339','Funcionario');
insert into login (nome, senha, tipo) values ('Ana Luiza','admin789','Admin');
insert into login (nome, senha, tipo) values ('Dory','abc321','Funcionario');
insert into login (nome, senha, tipo) values ('Rosi','dory123','Funcionario');
insert into login (nome, senha, tipo) values ('Dell','123123','Funcionario');
insert into login (nome, senha, tipo) values ('Jefferson','del4321','Funcionario');

```

```

insert into autor (nome, id_login) values ('Susan Cain',2);
insert into autor (nome, id_login) values ('Roger S. Pressman',2);
insert into autor (nome, id_login) values ('Viktor Mayer-Schonberger',2);
insert into autor (nome, id_login) values ('Paul Barry',2);
insert into autor (nome, id_login) values ('Richard Hunter',2);

```

```

insert into editora (nome, id_login) values ('Sextante',2);
insert into editora (nome, id_login) values ('AMGH',2);
insert into editora (nome, id_login) values ('Elsevier',2);
insert into editora (nome, id_login) values ('Alta Books',2);
insert into editora (nome, id_login) values ('MBOOKS',2);

```

```

insert into funcionario (nome, senha, id_login) values ('Jefferson','acb123',2);
insert into funcionario (nome, senha, id_login) values ('Ana','123abc',2);
insert into funcionario (nome, senha, id_login) values ('Dory','dory123',2);
insert into funcionario (nome, senha, id_login) values ('Rose','rosi4321',2);
insert into funcionario (nome, senha, id_login) values ('Dell','Dell789',2);

```

```

insert into leitor (nome, cpf, data_nascimento, telefone, email, rua, numero,
bairro, cidade, cep, uf, id_login) VALUES ('Miguel','47957368042','1970-11-
06','(71)999910300','miguel@gmail.com','Avenida Rosa','402','Alto das
Pombas','Recife','40226175','BA',2);
insert into leitor (nome, cpf, data_nascimento, telefone, email, rua, numero,
bairro, cidade, cep, uf, id_login) VALUES ('Arthur','68166208016','1959-02-
08','(92)999983558','Arthur@gmail.com','Rua
Independência','690','Alvorada','Olinda','69043020','AM',2);
insert into leitor (nome, cpf, data_nascimento, telefone, email, rua, numero,
bairro, cidade, cep, uf, id_login) VALUES ('Davi','96790166092','1961-10-
08','(41)999917759','Davi@gmail.com','Rua Hércules
Accorsi','860','Cafezal','Recife','86045270','PR',2);
insert into leitor (nome, cpf, data_nascimento, telefone, email, rua, numero,
bairro, cidade, cep, uf, id_login) VALUES ('Bernardo','50224973010','1965-09-
20','(62)999368617','Bernardo@gmail.com','Rua 86A','740','Setor
Sul','Cabo','74083340','GO',2);
insert into leitor (nome, cpf, data_nascimento, telefone, email, rua, numero,
bairro, cidade, cep, uf, id_login) VALUES ('Murilo','77913644095','1966-10-
29','(21)999366299','Murilo@gmail.com','Rua Projetada
A','230','Guaratiba','Camaragibe','23031195','RJ',2);

```

```

insert into livro (titulo, volume, ano, id_login, id_editora, id_autor) values ('Redes
de Computadores',2,'2011',2,1,5);
insert into livro (titulo, volume, ano, id_login, id_editora, id_autor) values
('Criptografia Para Iniciantes',1,'2012',2,2,4);
insert into livro (titulo, volume, ano, id_login, id_editora, id_autor) values ('Use a
Cabeça! Python',1,'2018',2,3,3);
insert into livro (titulo, volume, ano, id_login, id_editora, id_autor) values ('Use a
Cabeça!: Java ',1,'2007',2,4,3);
insert into livro (titulo, volume, ano, id_login, id_editora, id_autor) values ('Java
Para Leigos',1,'2013',2,5,1);

```

```

insert into emprestimo (data_emprestimo, data_devolucao, id_funcionario,
id_leitor) VALUES ("2019-08-01","2019-08-08",25,5);
insert into emprestimo (data_emprestimo, data_devolucao, id_funcionario,
id_leitor) VALUES ("2019-08-03","2019-08-10",25,4);
insert into emprestimo (data_emprestimo, data_devolucao, id_funcionario,
id_leitor) VALUES ("2019-08-12","2019-08-19",21,3);
insert into emprestimo (data_emprestimo, data_devolucao, id_funcionario,
id_leitor) VALUES ("2020-04-01","2020-04-08",22,2);
insert into emprestimo (data_emprestimo, data_devolucao, id_funcionario,
id_leitor) VALUES ("2020-04-02","2020-04-09",24,1);

```

```

insert into emprestimo_livro (id_emprestimo, id_livro) values (1,5);
insert into emprestimo_livro (id_emprestimo, id_livro) values (2,4);
insert into emprestimo_livro (id_emprestimo, id_livro) values (3,3);
insert into emprestimo_livro (id_emprestimo, id_livro) values (4,1);
insert into emprestimo_livro (id_emprestimo, id_livro) values (5,2);

```

2.5.3. Relatórios

Os relatórios que foram solicitados e os respectivos comandos Select.

1 - Listar todos os dados dos livros cadastrados, ordenando pelo seu título.

```

SELECT * FROM livro
ORDER BY titulo

```

2 - Listar o funcionário de código 25 e o nome do administrador que o cadastrou.

```

SELECT      funcionario.id_funcionario,      funcionario.nome      AS
Nome_Funcionario,login.nome AS Nome_admin, login.tipo
FROM funcionario, login
WHERE login.tipo = 'admin' AND funcionario.id_funcionario = 25

```

3 - Informar a quantidade de empréstimos feitos por nome de funcionários, realizados no mês de agosto de 2019.

```

SELECT f.nome AS Nome_Funcionario, COUNT(*) Quant_Emprestimo
FROM emprestimo e, funcionario f
WHERE e.id_funcionario = f.id_funcionario
AND e.data_emprestimo BETWEEN '2019-08-01' AND '2019-08-31'

```

GROUP BY f.nome

4 - Listar as quantidades de livros por autor (nome).

```
SELECT nome AS Nome_autor, COUNT(*) Quant_Livro
FROM autor, livro
WHERE livro.id_autor = autor.id_autor
GROUP BY autor.nome
```

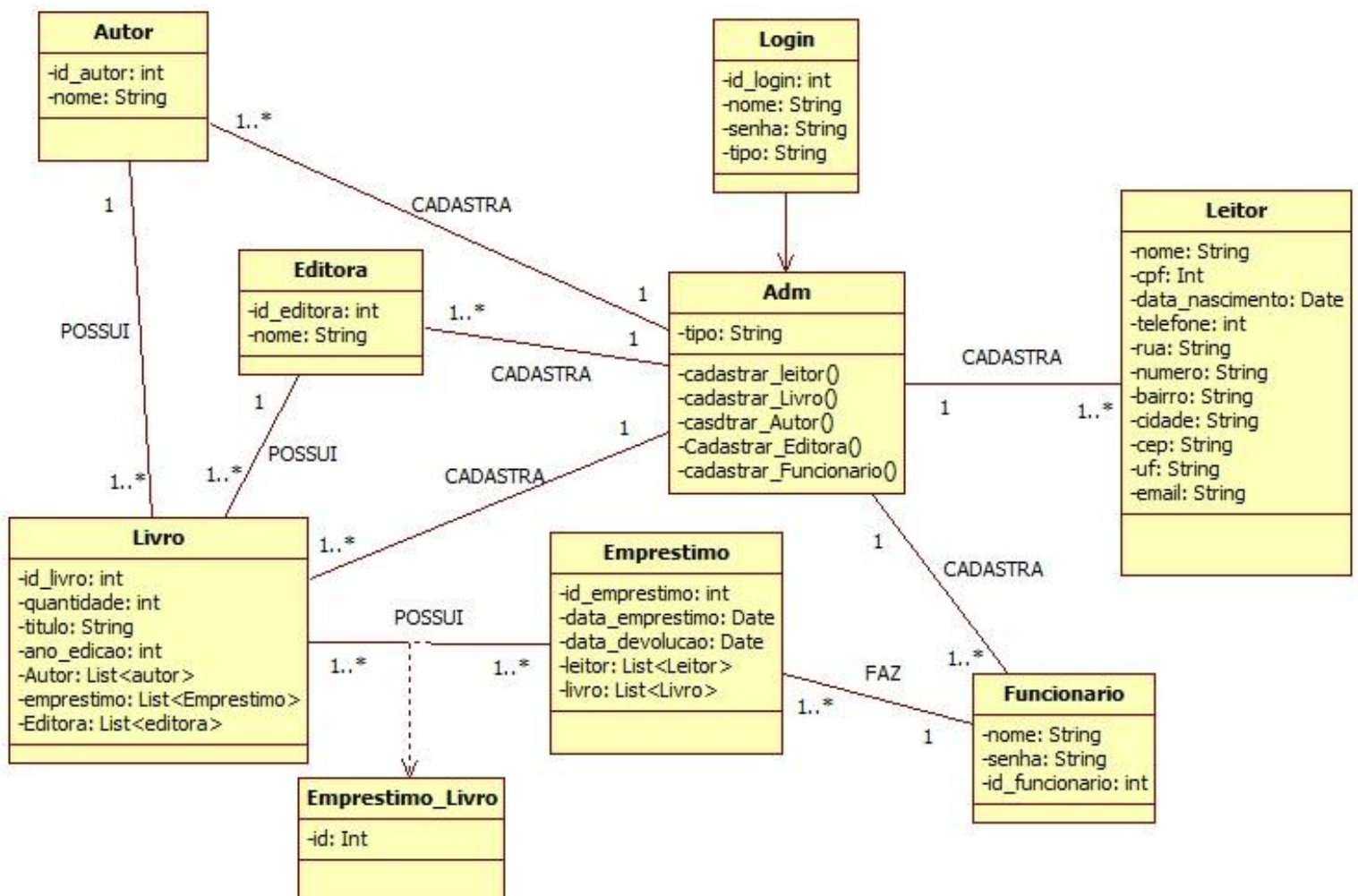
5 - Listar os nomes das editoras em ordem crescente.

```
SELECT nome as Nome_editora_Ordem_Crescente FROM editora
ORDER BY nome
```

3. Análise e Design

3.1. Diagrama de Classes

Ferramenta utilizada: **StarUML**



4. Arquitetura do Software

4.1. Padrão de projeto

O MVC (*Model-View-Controller*) consiste em um padrão de arquitetura de *software* que realiza a separação da aplicação em três camadas distintas para melhor organização do projeto facilitando futuras manutenções e reaproveitamento de códigos. As camadas são:

- **Model:** camada de manipulação dos dados, parte lógica da aplicação e é a ponte entre as camadas *view* e *controller*.
- **View:** camada de interação com o usuário, o *view* pode ser qualquer saída de representação dos dados, como uma tabela ou um diagrama. É onde os dados solicitados do *Model* são exibidos.
- **Controller:** Faz a medição da entrada e saída, comandando a visão e o modelo para serem alterados de forma apropriada conforme o usuário solicitou.

A camada *View* contém as seguintes telas:

- Login
- Tela Principal
- Inclusão de Leitor
- Alteração de Leitor
- Consulta de Leitor
- Exclusão de Leitor
- Inclusão de Livro
- Alteração de Livro
- Consulta de Livro
- Exclusão de Livro
- Inclusão de Autor
- Alteração de Autor
- Consulta de Autor
- Exclusão de Autor
- Inclusão de Editora
- Alteração de Editora
- Consulta de Editora
- Exclusão de Editora
- Cadastrar Usuário
- Excluir Usuário
- Fazer Empréstimo
- Consultar Empréstimo
- Excluir Empréstimo
- Fazer Devolução
- Consultar Devolução

4.2. Protótipo

4.2.1. Telas e classes da camada *View*

Tela 1. Login



[RF 01] - A primeira tela é a de Login do sistema, cuja a função é autenticar o usuário. Uma vez autenticado, ele tem permissão para acessar o sistema.

Código

```
/*  
 * 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 view;
```



```

/**
 *
 * @author Jefferson Queiroz
 */
public class Login extends javax.swing.JFrame {

    /**
     * Creates new form Login
     */
    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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPanelLogin = new javax.swing.JPanel();
        jLabelSenha = new javax.swing.JLabel();
        jPasswordFieldSenhaLogin = new javax.swing.JPasswordField();
        jButtonEntrar = new javax.swing.JButton();
        jLabelLogin = new javax.swing.JLabel();
        jTextFieldLogin = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Sistema de Biblioteca - Login");
        setResizable(false);

        jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 11)); //
NOI18N
        jLabel2.setText("Sistema de Biblioteca");

        jPanelLogin.setBorder(javax.swing.BorderFactory.createEtchedBorder());

```

```

jLabelSenha.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabelSenha.setText("Senha");

jButtonEntrar.setFont(new java.awt.Font("Tahoma", 1, 11)); //
NOI18N
jButtonEntrar.setText("Entrar");
jButtonEntrar.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonEntrarActionPerformed(evt);
    }
});

jLabelLogin.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabelLogin.setText("Login");

javax.swing.GroupLayout jPanelLoginLayout = new
javax.swing.GroupLayout(jPanelLogin);
jPanelLogin.setLayout(jPanelLoginLayout);
jPanelLoginLayout.setHorizontalGroup(

jPanelLoginLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanelLoginLayout.createSequentialGroup()
        .addGap(65, Short.MAX_VALUE)

.addGroup(jPanelLoginLayout.createParallelGroup(javax.swing.GroupLayout
.Alignment.TRAILING)
    .addGroup(jPanelLoginLayout.createSequentialGroup()

.addGroup(jPanelLoginLayout.createParallelGroup(javax.swing.GroupLayout
.Alignment.TRAILING)
    .addComponent(jLabelSenha)
    .addComponent(jLabelLogin))

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

.addGroup(jPanelLoginLayout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING, false)
    .addComponent(jTextFieldLogin)
    .addComponent(jPasswordFieldSenhaLogin,
javax.swing.GroupLayout.PREFERRED_SIZE, 242,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addComponent(jButtonEntrar))

```

```

        .addGap(46, 46, 46))
    );
    jPanelLoginLayout.setVerticalGroup(

jPanelLoginLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanelLoginLayout.createSequentialGroup())
        .addContainerGap(24, Short.MAX_VALUE)

.addGroup(jPanelLoginLayout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(jLabelLogin)
        .addComponent(jTextFieldLogin,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)

.addGroup(jPanelLoginLayout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(jLabelSenha)
        .addComponent(jPasswordFieldSenhaLogin,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(jButtonEntrar)
        .addGap(22, 22, 22))
    );

    jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/Biblioteca2.png"
))); // NOI18N

    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(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel1)
        .addGap(150, 150, 150)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 128,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(jLabel3))
            .addGap(172, 172, 172))
        .addGroup(layout.createSequentialGroup()
            .addGap(38, 38, 38)
            .addComponent(jPanelLogin,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );
    layout.setVerticalGroup(

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
TRAILING)
            .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
            .addComponent(jLabel2)
            .addGap(18, 18, 18)
            .addComponent(jPanelLogin,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(46, Short.MAX_VALUE))

```

```

    );

    pack();
} // </editor-fold>

private void jButtonEntrarActionPerformed(java.awt.event.ActionEvent
evt) {
    TelaPrincipal telaPrincipal = new TelaPrincipal();
    TelaPrincipal.desktopPane.add(telaPrincipal);
    telaPrincipal.setVisible(true);
}

/**
 * @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 ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);

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```

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

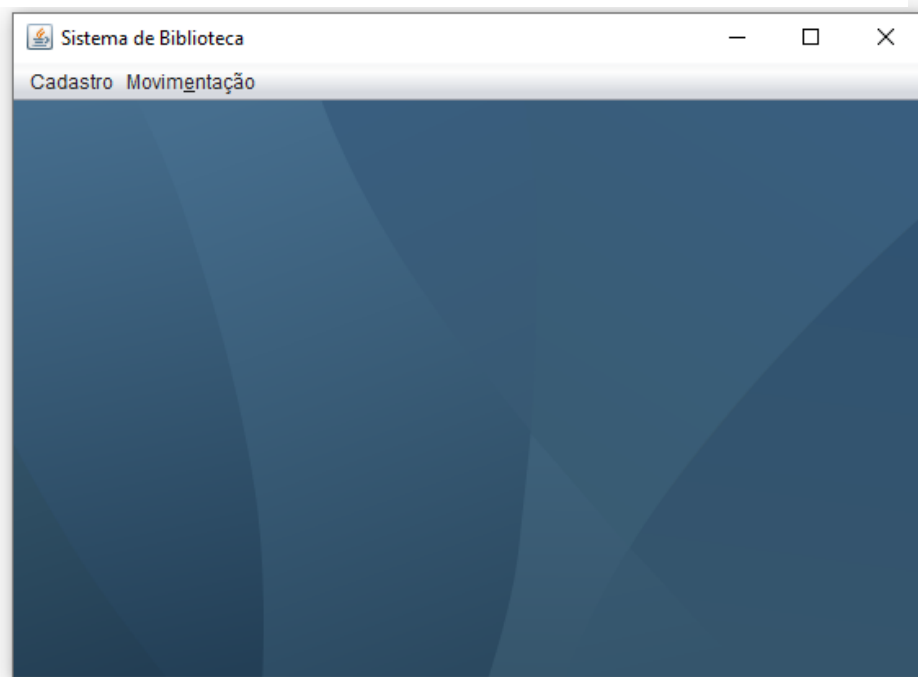
java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new Login().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonEntrar;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabelLogin;
private javax.swing.JLabel jLabelSenha;
private javax.swing.JPanel jPanelLogin;
private javax.swing.JPasswordField jPasswordFieldSenhaLogin;
private javax.swing.JTextField jTextFieldLogin;
// End of variables declaration
}

```

Tela 2. Principal



[RF02] - A tela principal é a que tem todas as funcionalidades do sistema através da barra superior do Menu.

Código

```
package view;

/**
 *
 * @author Jefferson Queiroz
 */
public class TelaPrincipal extends javax.swing.JFrame {

    /**
     * Creates new form TelaPrincipal
     */
    public TelaPrincipal() {
        initComponents();
        setExtendedState(MAXIMIZED_BOTH);
    }

    /**
     * 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() {

desktopPane = new javax.swing.JDesktopPane();

menuBar = new javax.swing.JMenuBar();

fileMenu = new javax.swing.JMenu();

jMenu1 = new javax.swing.JMenu();

jMenuItemInclusaoLeitor = new javax.swing.JMenuItem();

jMenuItemAlteracaoLeitor = new javax.swing.JMenuItem();

jMenuItemConsultaLeitor = new javax.swing.JMenuItem();

jSeparator1 = new javax.swing.JPopupMenu.Separator();

jMenuItemExclusaoLeitor = new javax.swing.JMenuItem();

jMenu4 = new javax.swing.JMenu();

jMenuItemInclusaoLivro = new javax.swing.JMenuItem();

jMenuItemAlteracaoLivro = new javax.swing.JMenuItem();

jMenuItemConsultaLivro = new javax.swing.JMenuItem();

jSeparator3 = new javax.swing.JPopupMenu.Separator();

jMenuItemExcluirLivro = new javax.swing.JMenuItem();

jMenu2 = new javax.swing.JMenu();

jMenuItemInclusaoAutor = new javax.swing.JMenuItem();

jMenuItemAlteracaoAutor = new javax.swing.JMenuItem();

jMenuItemConsultaAutor = new javax.swing.JMenuItem();

jSeparator2 = new javax.swing.JPopupMenu.Separator();

jMenuItemExcluirAutor = new javax.swing.JMenuItem();

jMenu3 = new javax.swing.JMenu();

jMenuItemInclusaoEditora = new javax.swing.JMenuItem();

jMenuItemAlteracaoEditora = new javax.swing.JMenuItem();

jMenuItemConsultaEditora = new javax.swing.JMenuItem();

jSeparator4 = new javax.swing.JPopupMenu.Separator();

javax.swing.JMenuItem jMenuItemExcluirEditora = new
javax.swing.JMenuItem();

jMenu8 = new javax.swing.JMenu();

jMenuItemCadastrarFuncionario = new javax.swing.JMenuItem();

jMenuItemExcluirFuncionario = new javax.swing.JMenuItem();

jMenuItem20 = new javax.swing.JMenuItem();

editMenu = new javax.swing.JMenu();

jMenu5 = new javax.swing.JMenu();

jMenuItem18 = new javax.swing.JMenuItem();

jMenuItem19 = new javax.swing.JMenuItem();

jSeparator5 = new javax.swing.JPopupMenu.Separator();


```

jMenuItemExcluirEmprestimo = new javax.swing.JMenuItem();
jMenu6 = new javax.swing.JMenu();
jMenuItemDevolução = new javax.swing.JMenuItem();
jSeparator6 = new javax.swing.JPopupMenu.Separator();
jMenuItemConsultaDevolucao = new javax.swing.JMenuItem();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Sistema de Biblioteca");

fileMenu.setMnemonic('f');
fileMenu.setText("Cadastro");
fileMenu.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        fileMenuActionPerformed(evt);
    }
});

jMenu1.setText("Leitor");
jMenu1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenu1ActionPerformed(evt);
    }
});

jMenuItemInclusaoLeitor.setText("Inclusão de Leitor");
jMenuItemInclusaoLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemInclusaoLeitorActionPerformed(evt);
    }
});
jMenu1.add(jMenuItemInclusaoLeitor);

jMenuItemAlteracaoLeitor.setText("Alteração de Leitor");
jMenuItemAlteracaoLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemAlteracaoLeitorActionPerformed(evt);
    }
});
jMenu1.add(jMenuItemAlteracaoLeitor);

jMenuItemConsultaLeitor.setText("Consulta de Leitor");

```

```

        jMenuItemConsultaLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemConsultaLeitorActionPerformed(evt);
    }
});
jMenu1.add(jMenuItemConsultaLeitor);
jMenu1.add(jSeparator1);

jMenuItemExclusaoLeitor.setText("Exclusão de Leitor");
jMenuItemExclusaoLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemExclusaoLeitorActionPerformed(evt);
    }
});
jMenu1.add(jMenuItemExclusaoLeitor);

fileMenu.add(jMenu1);

jMenu4.setText("Livro");

jMenuItemInclusaoLivro.setText("Inclusão de Livro");
jMenuItemInclusaoLivro.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemInclusaoLivroActionPerformed(evt);
    }
});
jMenu4.add(jMenuItemInclusaoLivro);

jMenuItemAlteracaoLivro.setText("Alteração de Livro");
jMenuItemAlteracaoLivro.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemAlteracaoLivroActionPerformed(evt);
    }
});
jMenu4.add(jMenuItemAlteracaoLivro);

jMenuItemConsultaLivro.setText("Consulta de Livro");
jMenuItemConsultaLivro.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemConsultaLivroActionPerformed(evt);
    }
});
jMenu4.add(jMenuItemConsultaLivro);

```

```

    }
});
jMenu4.add(jMenuItemConsultaLivro);
jMenu4.add(jSeparator3);

jMenuItemExcluirLivro.setText("Exclusão de Livro");
jMenuItemExcluirLivro.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemExcluirLivroActionPerformed(evt);
    }
});
jMenu4.add(jMenuItemExcluirLivro);

fileMenu.add(jMenu4);

jMenu2.setText("Autor");

jMenuIteminclusaoAutor.setText("Inclusão de Autor");
jMenuIteminclusaoAutor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuIteminclusaoAutorActionPerformed(evt);
    }
});
jMenu2.add(jMenuIteminclusaoAutor);

jMenuItemAlteracaoAutor.setText("Alteração de Autor");
jMenuItemAlteracaoAutor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemAlteracaoAutorActionPerformed(evt);
    }
});
jMenu2.add(jMenuItemAlteracaoAutor);

jMenuItemConsultaAutor.setText("Consulta de Autor");
jMenuItemConsultaAutor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemConsultaAutorActionPerformed(evt);
    }
});
jMenu2.add(jMenuItemConsultaAutor);
jMenu2.add(jSeparator2);

```

```

jMenuItemExcluirAutor.setText("Exclusão de Autor");
jMenuItemExcluirAutor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemExcluirAutorActionPerformed(evt);
    }
});
jMenu2.add(jMenuItemExcluirAutor);

fileMenu.add(jMenu2);

jMenu3.setText("Editora");

jMenuItemInclusaoEditora.setText("Inclusão de Editora");
jMenuItemInclusaoEditora.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemInclusaoEditoraActionPerformed(evt);
    }
});
jMenu3.add(jMenuItemInclusaoEditora);

jMenuItemAlteracaoEditora.setText("Alteração de Editora");
jMenuItemAlteracaoEditora.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemAlteracaoEditoraActionPerformed(evt);
    }
});
jMenu3.add(jMenuItemAlteracaoEditora);

jMenuItemConsultaEditora.setText("Consulta de Editora");
jMenuItemConsultaEditora.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItemConsultaEditoraActionPerformed(evt);
    }
});
jMenu3.add(jMenuItemConsultaEditora);
jMenu3.add(jSeparator4);

jMenuItemExcluirEditora.setText("Exclusão de Editora");
jMenuItemExcluirEditora.addActionListener(new
java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItemExcluirEditoraActionPerformed(evt);
        }
    });
    jMenu3.add(jMenuItemExcluirEditora);

    fileMenu.add(jMenu3);

    jMenu8.setText("Usuário");

    jMenuItemCadastrarFuncionario.setText("Cadastrar Usuário");
    jMenuItemCadastrarFuncionario.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItemCadastrarFuncionarioActionPerformed(evt);
        }
    });
    jMenu8.add(jMenuItemCadastrarFuncionario);

    jMenuItemExcluirFuncionario.setText("Excluir Usuário");
    jMenuItemExcluirFuncionario.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItemExcluirFuncionarioActionPerformed(evt);
        }
    });
    jMenu8.add(jMenuItemExcluirFuncionario);

    fileMenu.add(jMenu8);

    jMenuItem20.setText("Sair do Programa");
    jMenuItem20.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem20ActionPerformed(evt);
        }
    });
    fileMenu.add(jMenuItem20);

    menuBar.add(fileMenu);

    editMenu.setMnemonic('e');
    editMenu.setText("Movimentação");

    jMenu5.setText("Empréstimo");
    jMenu5.addActionListener(new java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem5ActionPerformed(evt);
        }
    });

    jMenuItem18.setText("Fazer Empréstimo");
    jMenuItem18.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem18ActionPerformed(evt);
        }
    });
    jMenu5.add(jMenuItem18);

    jMenuItem19.setText("Consulta de Empréstimo");
    jMenuItem19.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem19ActionPerformed(evt);
        }
    });
    jMenu5.add(jMenuItem19);
    jMenu5.add(jSeparator5);

    jMenuItemExcluirEmprestimo.setText("Exclusão de Empréstimo");
    jMenuItemExcluirEmprestimo.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItemExcluirEmprestimoActionPerformed(evt);
        }
    });
    jMenu5.add(jMenuItemExcluirEmprestimo);

    editMenu.add(jMenu5);

    jMenu6.setText("Devolução");

    jMenuItemDevolução.setText("Fazer Devolução");
    jMenuItemDevolução.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItemDevoluçãoActionPerformed(evt);
        }
    });
    jMenu6.add(jMenuItemDevolução);
    jMenu6.add(jSeparator6);

```

```

        jMenuItemConsultaDevolucao.setText("Consultar Devolução");
        jMenuItemConsultaDevolucao.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItemConsultaDevolucaoActionPerformed(evt);
            }
        });
        jMenu6.add(jMenuItemConsultaDevolucao);

        editMenu.add(jMenu6);

        menuBar.add(editMenu);

        setJMenuBar(menuBar);

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(desktopPane,
javax.swing.GroupLayout.DEFAULT_SIZE, 400, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(desktopPane,
javax.swing.GroupLayout.DEFAULT_SIZE, 279, Short.MAX_VALUE)
        );

        pack();
    } // </editor-fold>

    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

    }

    private void jMenuItemInclusaoLeitorActionPerformed(java.awt.event.ActionEvent evt) {
        CadastroLeitor cadastroLeitor = new CadastroLeitor();
        // cadastroLeitor.setLocationRelativeTo(true); SERIA PARA A TELA
        ABRIR NO MEIO
    }

```

```

        this.desktopPane.add(cadastroLeitor);
        cadastroLeitor.setVisible(true);

    }

    private void
jMenuItemInclusaoAutorActionPerformed(java.awt.event.ActionEvent evt) {
        CadastroAutor cadastroAutor = new CadastroAutor();
        this.desktopPane.add(cadastroAutor);
        cadastroAutor.setVisible(true);
    }

    private void
jMenuItemInclusaoEditoraActionPerformed(java.awt.event.ActionEvent evt)
    {
        CadastroEditora cadastroEditora = new CadastroEditora();
        this.desktopPane.add(cadastroEditora);
        cadastroEditora.setVisible(true);
    }

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

    }

    private void
jMenuItemConsultaEditoraActionPerformed(java.awt.event.ActionEvent evt)
    {
        ConsultaEditora pesquisaEditora = new ConsultaEditora();
        this.desktopPane.add(pesquisaEditora);
        pesquisaEditora.setVisible(true);
    }

    private void
jMenuItemInclusaoLivroActionPerformed(java.awt.event.ActionEvent evt) {
        CadastroLivro cadastroLivro = new CadastroLivro();
        this.desktopPane.add(cadastroLivro);
        cadastroLivro.setVisible(true);
    }

    private void jMenuItem18ActionPerformed(java.awt.event.ActionEvent
    evt) {
        Emprestimo emprestimo = new Emprestimo();
        this.desktopPane.add(emprestimo);
        emprestimo.setVisible(true);
    }

```



```

private void
jMenuItemAlteracaoLeitorActionPerformed(java.awt.event.ActionEvent evt)
{
    EditarLeitor alterarLeitor = new EditarLeitor();
    this.desktopPane.add(alterarLeitor);
    alterarLeitor.setVisible(true);
}

private void
jMenuItemConsultaLeitorActionPerformed(java.awt.event.ActionEvent evt) {
    ConsultaLeitor consultarLeitor = new ConsultaLeitor();
    this.desktopPane.add(consultarLeitor);
    consultarLeitor.setVisible(true);

    //ConsultaLeitorDois consultaDois = new ConsultaLeitorDois();
    // this.desktopPane.add(consultaDois);
    //consultaDois.setVisible(true);
}

private void
jMenuItemAlteracaoLivroActionPerformed(java.awt.event.ActionEvent evt) {
    EditarLivro alterarLivro = new EditarLivro();
    this.desktopPane.add(alterarLivro);
    alterarLivro.setVisible(true);
}

private void
jMenuItemAlteracaoAutorActionPerformed(java.awt.event.ActionEvent evt)
{
    EditarAutor auterarAutor = new EditarAutor();
    this.desktopPane.add(auterarAutor);
    auterarAutor.setVisible(true);
}

private void
jMenuItemConsultaLivroActionPerformed(java.awt.event.ActionEvent evt) {
    ConsultaLivro consultarLivro = new ConsultaLivro();
    TelaPrincipal.desktopPane.add(consultarLivro);
    consultarLivro.setVisible(true);
}

private void jMenuItem20ActionPerformed(java.awt.event.ActionEvent
evt) {

```

```

        System.exit(0);
    }

    private void
    jMenuItemConsultaAutorActionPerformed(java.awt.event.ActionEvent evt) {
        ConsultaAutor consultaAutor = new ConsultaAutor();
        this.desktopPane.add(consultaAutor);
        consultaAutor.setVisible(true);
    }

    private void
    jMenuItemAlteracaoEditoraActionPerformed(java.awt.event.ActionEvent evt)
    {
        EditarEditora editarEditora = new EditarEditora();
        this.desktopPane.add(editarEditora);
        editarEditora.setVisible(true);
    }

    private void
    jMenuItemExclusaoLeitorActionPerformed(java.awt.event.ActionEvent evt) {
        ExcluirLeitor excluirLeitor = new ExcluirLeitor();
        this.desktopPane.add(excluirLeitor);
        excluirLeitor.setVisible(true);
    }

    private void jMenuItem19ActionPerformed(java.awt.event.ActionEvent
    evt) {
        ConsultaEmprestimo consultaEmprestimo = new
        ConsultaEmprestimo();
        this.desktopPane.add(consultaEmprestimo);
        consultaEmprestimo.setVisible(true);
    }

    private void jMenuItem5ActionPerformed(java.awt.event.ActionEvent evt) {

    }

    private void
    jMenuItemExcluirEmprestimoActionPerformed(java.awt.event.ActionEvent
    evt) {
        ExcluirEmprestimo excluirEmprestimo = new ExcluirEmprestimo();
        this.desktopPane.add(excluirEmprestimo);
        excluirEmprestimo.setVisible(true);
    }

```

```

private void
jMenuItemDevolucaoActionPerformed(java.awt.event.ActionEvent evt) {
    Devolucao devolucao = new Devolucao();
    this.desktopPane.add(devolucao);
    devolucao.setVisible(true);
}

private void
jMenuItemConsultaDevolucaoActionPerformed(java.awt.event.ActionEvent
evt) {
    ConsultaDevolucao consultaDevolucao = new ConsultaDevolucao();
    this.desktopPane.add(consultaDevolucao);
    consultaDevolucao.setVisible(true);
}

private void
jMenuItemCadastrarFuncionarioActionPerformed(java.awt.event.ActionEven
t evt) {
    CadastroUsuario cadastroFuncionario = new CadastroUsuario();
    this.desktopPane.add(cadastroFuncionario);
    cadastroFuncionario.setVisible(true);
}

private void
jMenuItemExcluirFuncionarioActionPerformed(java.awt.event.ActionEvent
evt) {
    ExcluirUsuario excluirFuncionario = new ExcluirUsuario();
    this.desktopPane.add(excluirFuncionario);
    excluirFuncionario.setVisible(true);
}

private void
jMenuItemExcluirLivroActionPerformed(java.awt.event.ActionEvent evt) {
    ExcluirLivro excluirLivro = new ExcluirLivro();
    this.desktopPane.add(excluirLivro);
    excluirLivro.setVisible(true);
}

private void
jMenuItemExcluirAutorActionPerformed(java.awt.event.ActionEvent evt) {
    ExcluirAutor excluirAutor = new ExcluirAutor();
    this.desktopPane.add(excluirAutor);
    excluirAutor.setVisible(true);
}

```

```

private void
jMenuItemExcluirEditoraActionPerformed(java.awt.event.ActionEvent evt) {
    ExcluirEditora excluirEditora = new ExcluirEditora();
    this.desktopPane.add(excluirEditora);
    excluirEditora.setVisible(true);
}

/**
 * @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 ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(TelaPrincipal.class.getName()).log(java.u
til.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(TelaPrincipal.class.getName()).log(java.u
til.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(TelaPrincipal.class.getName()).log(java.u
til.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(TelaPrincipal.class.getName()).log(java.u
til.logging.Level.SEVERE, null, ex);
    }
}

```

```
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new TelaPrincipal().setVisible(true);
    }
});
}

// Variables declaration - do not modify
public static javax.swing.JDesktopPane desktopPane;
private javax.swing.JMenu editMenu;
private javax.swing.JMenu fileMenu;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenu jMenu2;
private javax.swing.JMenu jMenu3;
private javax.swing.JMenu jMenu4;
private javax.swing.JMenu jMenu5;
private javax.swing.JMenu jMenu6;
private javax.swing.JMenu jMenu8;
private javax.swing.JMenuItem jMenuItem18;
private javax.swing.JMenuItem jMenuItem19;
private javax.swing.JMenuItem jMenuItem20;
private javax.swing.JMenuItem jMenuItemAlteracaoAutor;
private javax.swing.JMenuItem jMenuItemAlteracaoEditora;
private javax.swing.JMenuItem jMenuItemAlteracaoLeitor;
private javax.swing.JMenuItem jMenuItemAlteracaoLivro;
private javax.swing.JMenuItem jMenuItemCadastrarFuncionario;
private javax.swing.JMenuItem jMenuItemConsultaAutor;
private javax.swing.JMenuItem jMenuItemConsultaDevolucao;
private javax.swing.JMenuItem jMenuItemConsultaEditora;
private javax.swing.JMenuItem jMenuItemConsultaLeitor;
private javax.swing.JMenuItem jMenuItemConsultaLivro;
private javax.swing.JMenuItem jMenuItemDevolução;
private javax.swing.JMenuItem jMenuItemExcluirAutor;
private javax.swing.JMenuItem jMenuItemExcluirEmprestimo;
private javax.swing.JMenuItem jMenuItemExcluirFuncionario;
private javax.swing.JMenuItem jMenuItemExcluirLivro;
private javax.swing.JMenuItem jMenuItemExclusaoLeitor;
private javax.swing.JMenuItem jMenuItemInclusaoLeitor;
private javax.swing.JMenuItem jMenuItemInclusaoEditora;
private javax.swing.JMenuItem jMenuItemInclusaoLivro;
private javax.swing.JMenuItem jMenuIteminclusaoAutor;
private javax.swing.JPopupMenu.Separator jSeparator1;
```

```

private javax.swing.JPopupMenu.Separator jSeparator2;
private javax.swing.JPopupMenu.Separator jSeparator3;
private javax.swing.JPopupMenu.Separator jSeparator4;
private javax.swing.JPopupMenu.Separator jSeparator5;
private javax.swing.JPopupMenu.Separator jSeparator6;
private javax.swing.JMenuBar menuBar;
// End of variables declaration

}

```

Tela 3. Inclusão de leitor

Sistema de Biblioteca - Cadastro de Leitor

Cadastro de Leitor

Nome do Leitor

Data de Nasc.

CPF Telefone

E-mail

Endereço Número Bairro

Cidade UF CEP

[RF03] - Responsável por manter um cadastro de pessoa física, possibilitando através do cadastro identificar o leitor no momento do empréstimo.

Código

```
package view;

/**
 *
 * @author Jefferson Queiroz
 */
public class CadastroLeitor extends javax.swing.JInternalFrame {

    /**
     * Creates new form CadastroLeitor
     */
    public CadastroLeitor() {
        initComponents();
    }

    CadastroLeitor(TelaPrincipal aThis, boolean b) {
        throw new UnsupportedOperationException("Not supported yet."); //To
        change body of generated methods, choose Tools | Templates.
    }

    /**
     * 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() {

        jLabel10 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jPanelCadastroLeitor = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();
        jTextFieldEmailCadastroLeitor = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        jTextFieldEnderecoCadastroLeitor = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        jTextFieldBairroCadastroLeitor = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        jLabelCidade = new javax.swing.JLabel();
        jTextFieldCidadeCadastroLeitor = new javax.swing.JTextField();
        jComboBoxUfCadastroLeitor = new javax.swing.JComboBox<>();
        jLabel3 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
    }
}
```

```

jLabel9 = new javax.swing.JLabel();
jSeparator1 = new javax.swing.JSeparator();
jLabel1 = new javax.swing.JLabel();
jTextFieldNomeCadastroLeitor = new javax.swing.JTextField();
jButtonOkCadastroLeitor = new javax.swing.JButton();
jLabel2 = new javax.swing.JLabel();
jButtonCancelarCadastroLeitor = new javax.swing.JButton();
jButtonFecharCadastroLeitor = new javax.swing.JButton();
jLabel12 = new javax.swing.JLabel();
jTextFieldNumeroCadastroLeitor = new javax.swing.JTextField();
jFormattedTextFieldCepCadastroLeitor = new
javax.swing.JFormattedTextField();
jFormattedTextFieldCpfCadastroLeitor = new
javax.swing.JFormattedTextField();
jFormattedTextFieldDtNascimentoCadastroLeitor = new
javax.swing.JFormattedTextField();
jFormattedTextFieldTelefoneCadastroLeitor = new
javax.swing.JFormattedTextField();

setClosable(true);
setIconifiable(true);
setResizable(true);
setTitle("Sistema de Biblioteca - Cadastro de Leitor");

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); //
NOI18N
jLabel10.setText("Cadastro de Leitor");
jLabel10.setToolTipText("Cadastro de Leitor");

jPanelCadastroLeitor.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel4.setText("E-mail");

jTextFieldEmailCadastroLeitor.setToolTipText("Informe o E-mail");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel5.setText("Endereço");

jTextFieldEnderecoCadastroLeitor.setToolTipText("Informe o
endereço");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel6.setText("Bairro");

jTextFieldBairroCadastroLeitor.setToolTipText("Informe o bairro");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel8.setText("Telefone");

```



```

jLabelCidade.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabelCidade.setText("Cidade");

jTextFieldCidadeCadastroLeitor.setToolTipText("Informe a cidade");

jComboBoxUfCadastroLeitor.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "AC ", "AL", "AM",
"AP", "BA", "CE", "DF", "ES", "GO", "MA", "MG", "MS", "MT", "PA", "PB", "PE",
"PI", "PR", "RJ", "RN", "RO", "RR ", "RS", "SC", "SE", "SP", "TO" }));
jComboBoxUfCadastroLeitor.setToolTipText("Escoha a Unidade
Federativa");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel3.setText("UF");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel7.setText("CEP");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel9.setText("CPF");

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel1.setText("Nome do Leitor ");

jTextFieldNomeCadastroLeitor.setToolTipText("Informe o nome do
leitor");
jTextFieldNomeCadastroLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextFieldNomeCadastroLeitorActionPerformed(evt);
    }
});

jButtonOkCadastroLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonOkCadastroLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonOkCadastroLeitor.setText("OK");
jButtonOkCadastroLeitor.setToolTipText("Confirmar");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Data de Nasc.");

jButtonCancelarCadastroLeitor.setFont(new java.awt.Font("Tahoma",
1, 14)); // NOI18N
jButtonCancelarCadastroLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarCadastroLeitor.setText("Cancelar");
jButtonCancelarCadastroLeitor.setToolTipText("Cancelar");

```

```

        jButtonFecharCadastroLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
        jButtonFecharCadastroLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
        jButtonFecharCadastroLeitor.setText("Fechar");
        jButtonFecharCadastroLeitor.setToolTipText("Fechar");
        jButtonFecharCadastroLeitor.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButtonFecharCadastroLeitorActionPerformed(evt);
            }
        });

        jLabel12.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel12.setText("Número");

        try {
            jFormattedTextFieldCepCadastroLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("#####-###"));
        } catch (java.text.ParseException ex) {
            ex.printStackTrace();
        }

        try {
            jFormattedTextFieldCpfCadastroLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("###.###.###-##"));
        } catch (java.text.ParseException ex) {
            ex.printStackTrace();
        }

        try {
            jFormattedTextFieldDtNascimentoCadastroLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("##-##-####"));
        } catch (java.text.ParseException ex) {
            ex.printStackTrace();
        }

        try {
            jFormattedTextFieldTelefoneCadastroLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("(##)#####-####"));
        } catch (java.text.ParseException ex) {
            ex.printStackTrace();
        }

```

[illegible]

```

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
    .addGap(23, 23, 23)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addComponent(jTextFieldBairroCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel6)))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanelCadastroLeitorLayout.createSequentialGroup())

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

.addComponent(jFormattedTextFieldCepCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(0, 49, Short.MAX_VALUE))))

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
    .addGap(42, 42, 42)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING, false)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
    .addComponent(jLabel2)
    .addGap(18, 18, 18)

.addComponent(jFormattedTextFieldDtNascimentoCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
    .addGap(40, 40, 40)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING)
    .addComponent(jLabel4)
    .addComponent(jLabel9))
    .addGap(18, 18, 18)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())

```

```

.addComponent(jFormattedTextFieldCpfCadastroLeitor)
                .addGap(44, 44, 44)
                .addComponent(jLabel8)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jFormattedTextFieldTelefoneCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(jTextFieldEmailCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
                .addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jTextFieldNomeCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(0, 0, Short.MAX_VALUE)))
                .addContainerGap()
                .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
                .addGap(140, 140, 140)
                .addComponent(jButtonOkCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButtonCancelarCadastroLeitor)
                .addGap(18, 18, 18)
                .addComponent(jButtonFecharCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                );
jPanelCadastroLeitorLayout.setVerticalGroup(

jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
                .addContainerGap()

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(jTextFieldNomeCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
    .addComponent(jLabel2)

.addComponent(jFormattedTextFieldDtNascimentoCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
    .addComponent(jLabel9)
    .addComponent(jLabel8)
    .addComponent(jFormattedTextFieldCpfCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jFormattedTextFieldTelefoneCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
    .addComponent(jLabel4)
    .addComponent(jTextFieldEmailCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(26, 26, 26)
    .addComponent(jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(18, 18, 18)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
    .addComponent(jLabel5)

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
        .addComponent(jTextFieldEnderecoCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jLabelCidade)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jTextFieldCidadeCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(jLabel12)
        .addComponent(jLabel6))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
        .addComponent(jTextFieldNumeroCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jTextFieldBairroCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanelCadastroLeitorLayout.createSequentialGroup())
        .addComponent(jLabel3)

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)

```

```

        .addComponent(jComboBoxUfCadaastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jFormattedTextFieldCepCadaastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanelCadaastroLeitorLayout.createSequentialGroup()
        .addComponent(jLabel7)
        .addGap(26, 26, 26))))
        .addGap(34, 34, 34)

        .addGroup(jPanelCadaastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
        .addComponent(jButtonOkCadaastroLeitor)

        .addGroup(jPanelCadaastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(jButtonFecharCadaastroLeitor)
        .addComponent(jButtonCancelarCadaastroLeitor)))
        .addContainerGap(19, Short.MAX_VALUE))
    );

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(224, 224, 224)
            .addComponent(jLabel10)
            .addGap(36, 36, 36)
            .addComponent(jLabel11)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jPanelCadaastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
    );
    layout.setVerticalGroup(

```



```

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
        .addComponent(jLabel11)
        .addGroup(layout.createSequentialGroup()
            .addGap(24, 24, 24)
            .addComponent(jLabel10)))
        .addGap(18, 18, 18)
        .addComponent(jPanelCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(20, 20, 20))
    );

    pack();
} // </editor-fold>

private void
jTextFieldNomeCadastroLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

private void
jButtonFecharCadastroLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
    this.dispose();
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarCadastroLeitor;
private javax.swing.JButton jButtonFecharCadastroLeitor;
private javax.swing.JButton jButtonOkCadastroLeitor;
private javax.swing.JComboBox<String> jComboBoxUfCadastroLeitor;
private javax.swing.JFormattedTextField
jFormattedTextFieldCepCadastroLeitor;
private javax.swing.JFormattedTextField
jFormattedTextFieldCpfCadastroLeitor;
private javax.swing.JFormattedTextField
jFormattedTextFieldDtNascimentoCadastroLeitor;
private javax.swing.JFormattedTextField
jFormattedTextFieldTelefoneCadastroLeitor;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;

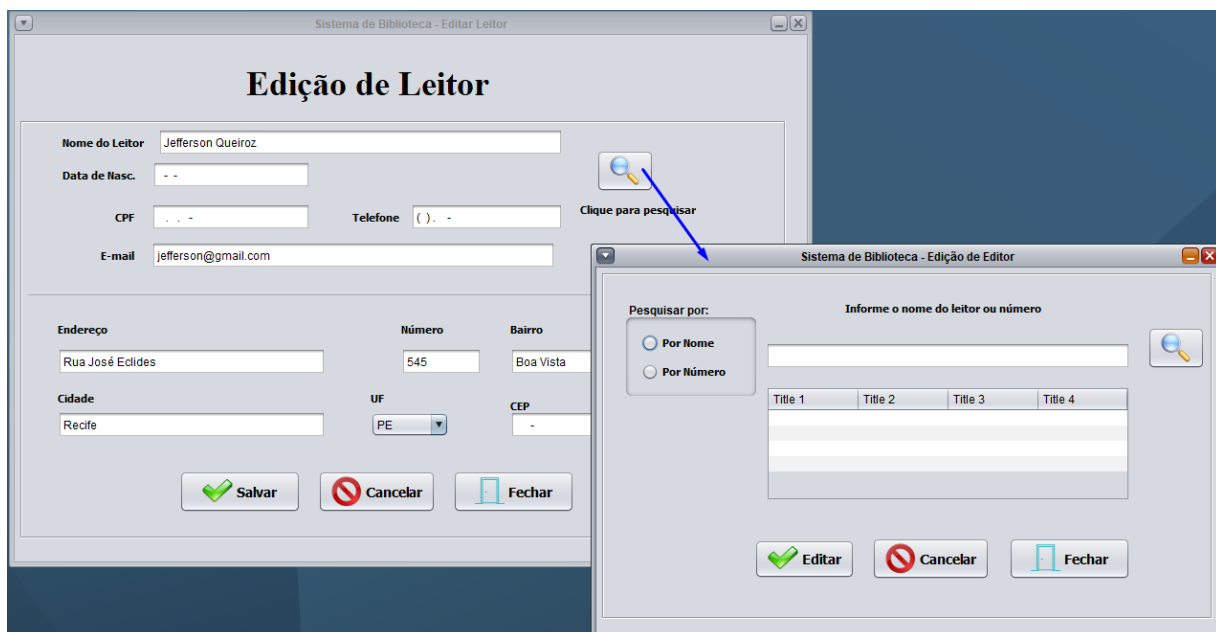
```

```

private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JLabel jLabelCidade;
private javax.swing.JPanel jPanelCadastroLeitor;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JTextField jTextFieldBairroCadastroLeitor;
private javax.swing.JTextField jTextFieldCidadeCadastroLeitor;
private javax.swing.JTextField jTextFieldEmailCadastroLeitor;
private javax.swing.JTextField jTextFieldEnderecoCadastroLeitor;
private javax.swing.JTextField jTextFieldNomeCadastroLeitor;
private javax.swing.JTextField jTextFieldNumeroCadastroLeitor;
// End of variables declaration
void setLocationRelativeTo(boolean b) {
    throw new UnsupportedOperationException("Not supported yet."); //To
change body of generated methods, choose Tools | Templates.
}void setLocationRelativeTo(Object object) {
    throw new UnsupportedOperationException("Not supported yet."); //To
change body of generated methods, choose Tools | Templates.
}
}

```

Tela 4. Alteração de leitor



[RF04] - Responsável por editar um cadastro de pessoa física, possibilitando, através da edição, a correção de alguns erros nos dados cadastrados. Para realizar a alteração é necessário, antes, realizar a pesquisa do livro. Ao clicar na Lupa, o usuário é direcionado para outra tela de pesquisa. Nela, ao selecionar o leitor e clicar em OK, volta para a tela anterior com os dados inseridos, para que seja realizada a alteração.

Código

1. Tela Principal

```
/*
 * 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 view;

import Imagens.Salvo;

/**
 *
 * @author Jefferson Queiroz
 */
public class EditarLeitor extends javax.swing.JInternalFrame {

    /**
     * Creates new form CadastroLeitor
     */
    public EditarLeitor() {
        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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```

private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();
    jPanelCadastroLeitor = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jTextFieldEmailEditorLeitor = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    jTextFieldEnderecoEditorLeitor = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    jTextFieldBairroEditorLeitor = new javax.swing.JTextField();
    jFormattedTextFieldDtNascimentoEditorLeitor = new
javax.swing.JFormattedTextField();
    jLabel8 = new javax.swing.JLabel();
    jLabelCidade = new javax.swing.JLabel();
    jTextFieldCidadeEditorLeitor = new javax.swing.JTextField();
    jComboBoxUfEditorLeitor = new javax.swing.JComboBox<>();
    jLabel3 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jSeparator1 = new javax.swing.JSeparator();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeEditorLeitor = new javax.swing.JTextField();
    jButtonSalvarEditorLeitor = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    jButtonCancelarEditorLeitor = new javax.swing.JButton();
    jButtonFecharEditorLeitor = new javax.swing.JButton();
    jLabel12 = new javax.swing.JLabel();
    jTextFieldNumeroEditorLeitor = new javax.swing.JTextField();
    jButtonPesquisarEditorLeitor = new javax.swing.JButton();
    jLabel13 = new javax.swing.JLabel();
    jFormattedTextFieldCpfEditorLeitor = new
javax.swing.JFormattedTextField();
    jFormattedTextFieldTelefoneEditorLeitor = new
javax.swing.JFormattedTextField();
    jFormattedTextFieldCepEditorLeitor = new
javax.swing.JFormattedTextField();

    setClosable(true);
    setIconifiable(true);
    setResizable(true);
    setTitle("Sistema de Biblioteca - Editor Leitor");

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); //
NOI18N

```

```

jLabel10.setText("Edição de Leitor");
jLabel10.setToolTipText("Cadastro de Leitor");

jPanelCadastroLeitor.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel4.setText("E-mail");

jTextFieldEmailEditarLeitor.setText("jefferson@gmail.com");
jTextFieldEmailEditarLeitor.setToolTipText("Informe o E-mail");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel5.setText("Endereço");

jTextFieldEnderecoEditarLeitor.setText("Rua José Eclides");
jTextFieldEnderecoEditarLeitor.setToolTipText("Informe o endereço");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel6.setText("Bairro");

jTextFieldBairroEditarLeitor.setText("Boa Vista");
jTextFieldBairroEditarLeitor.setToolTipText("Informe o bairro");

try {

jFormattedTextFieldDtNascimentoEditarLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("# #-##-####"));
    } catch (java.text.ParseException ex) {
        ex.printStackTrace();
    }
    jFormattedTextFieldDtNascimentoEditarLeitor.setToolTipText("Informe
a data de nascimento 14/05/1997");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel8.setText("Telefone");

jLabelCidade.setFont(new java.awt.Font("Tahoma", 1, 11)); //
NOI18N
jLabelCidade.setText("Cidade");

jTextFieldCidadeEditarLeitor.setText("Recife");
jTextFieldCidadeEditarLeitor.setToolTipText("Informe a cidade");

```

```

jComboBoxUfEditarLeitor.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "PE", "AC ", "AL",
"AM", "AP", "BA", "CE", "DF", "ES", "GO", "MA", "MG", "MS", "MT", "PA",
"PB", "PE", "PI", "PR", "RJ", "RN", "RO", "RR ", "RS", "SC", "SE", "SP", "TO"
}));
jComboBoxUfEditarLeitor.setToolTipText("Escoha a Unidade
Federativa");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel3.setText("UF");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel7.setText("CEP");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel9.setText("CPF");

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel1.setText("Nome do Leitor ");

jTextFieldNomeEditarLeitor.setText("Jefferson Queiroz");
jTextFieldNomeEditarLeitor.setToolTipText("Informa o nome do
leitor");
jTextFieldNomeEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextFieldNomeEditarLeitorActionPerformed(evt);
    }
});

jButtonSalvarEditarLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonSalvarEditarLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonSalvarEditarLeitor.setText("Salvar");
jButtonSalvarEditarLeitor.setToolTipText("Confirmar");
jButtonSalvarEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonSalvarEditarLeitorActionPerformed(evt);
    }
});

```

```

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Data de Nasc.");

jButtonCancelarEditarLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonCancelarEditarLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarEditarLeitor.setText("Cancelar");
jButtonCancelarEditarLeitor.setToolTipText("Cancelar");
jButtonCancelarEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonCancelarEditarLeitorActionPerformed(evt);
    }
});

jButtonFecharEditarLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonFecharEditarLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharEditarLeitor.setText("Fechar");
jButtonFecharEditarLeitor.setToolTipText("Fechar");
jButtonFecharEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonFecharEditarLeitorActionPerformed(evt);
    }
});

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel12.setText("Número");

jTextFieldNumeroEditarLeitor.setText("545");

jButtonPesquisarEditarLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisarEditarLeitor.setToolTipText("Clique para Pesquisar");
jButtonPesquisarEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonPesquisarEditarLeitorActionPerformed(evt);
    }
}

```

```

});

jLabel13.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel13.setText("Clique para pesquisar");

try {
    jFormattedTextFieldCpfEditorLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("###.###.###-##"));
    } catch (java.text.ParseException ex) {
        ex.printStackTrace();
    }

    try {
        jFormattedTextFieldTelefoneEditorLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("(##)#####-#####"));
        } catch (java.text.ParseException ex) {
            ex.printStackTrace();
        }

        try {
            jFormattedTextFieldCepEditorLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("#####-####"));
            } catch (java.text.ParseException ex) {
                ex.printStackTrace();
            }
        }

        javax.swing.GroupLayout jPanelCadastroLeitorLayout = new
javax.swing.GroupLayout(jPanelCadastroLeitor);
        jPanelCadastroLeitor.setLayout(jPanelCadastroLeitorLayout);
        jPanelCadastroLeitorLayout.setHorizontalGroup(

jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)
            .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup()
                .addGroup(jPanelCadastroLeitorLayout.createParallelGroup(
javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jSeparator1)

                .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup()
                    .addGap(31, 31, 31)

```



```

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING, false)
    .addComponent(jLabelCidade)
    .addComponent(jTextFieldEnderecoEditarLeitor)
    .addComponent(jTextFieldCidadeEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addComponent(jLabel5))

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
    .addComponent(jTextFieldNumeroEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel12))
    .addGap(30, 30, 30))

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
    .addGap(47, 47, 47)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING, false)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
    .addComponent(jLabel3)
    .addGap(98, 98, 98))

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
    .addComponent(jComboBoxUfEditarLeitor, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addGap(30, 30, 30))))

```

```

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
    .addComponent(jLabel7)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING, false)
    .addComponent(jFormattedTextFieldCepEditorLeitor)
    .addComponent(jTextFieldBairroEditorLeitor,
javax.swing.GroupLayout.DEFAULT_SIZE, 280, Short.MAX_VALUE)
    .addComponent(jLabel6,
javax.swing.GroupLayout.Alignment.LEADING))))))
    .addContainerGap())
    .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
    .addGap(42, 42, 42)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING, false)
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
    .addComponent(jLabel2)
    .addGap(18, 18, 18)

.addComponent(jFormattedTextFieldDtNascimentoEditorLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 165,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
    .addGap(40, 40, 40)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING)
    .addComponent(jLabel4)
    .addComponent(jLabel9))
    .addGap(18, 18, 18)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
    .addComponent(jFormattedTextFieldCpfEditorLeitor)
    .addGap(44, 44, 44)
    .addComponent(jLabel8)

```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE  
D)
```

```
.addComponent(jFormattedTextFieldTelefoneEditorLeitor,  
javax.swing.GroupLayout.PREFERRED_SIZE, 159,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
        .addComponent(jTextFieldEmailEditorLeitor,  
javax.swing.GroupLayout.PREFERRED_SIZE, 422,  
javax.swing.GroupLayout.PREFERRED_SIZE)))  
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,  
jPanelCadastroLeitorLayout.createSequentialGroup()  
        .addComponent(jLabel1)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE  
D)
```

```
        .addComponent(jTextFieldNomeEditorLeitor,  
javax.swing.GroupLayout.PREFERRED_SIZE, 423,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro  
upLayout.Alignment.LEADING)
```

```
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
```

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

```
        .addComponent(jButtonPesquisarEditorLeitor)  
        .addGap(136, 136, 136))
```

```
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())  
        .addGap(18, 18, 18)  
        .addComponent(jLabel13)
```

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

```
        .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())  
        .addGap(164, 164, 164)  
        .addComponent(jButtonSalvarEditorLeitor,  
javax.swing.GroupLayout.PREFERRED_SIZE, 127,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addGap(18, 18, 18)  
        .addComponent(jButtonCancelarEditorLeitor)  
        .addGap(18, 18, 18)
```

```

        .addComponent(jButtonFecharEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanelCadastroLeitorLayout.setVerticalGroup(

jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
        .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
        .addContainerGap()

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(jTextFieldNomeEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(jLabel2)

.addComponent(jFormattedTextFieldDtNascimentoEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
        .addGap(28, 28, 28)
        .addComponent(jButtonPesquisarEditarLeitor)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)

```

```
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
```

```
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

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

```
    .addComponent(jLabel9)
```

```
    .addComponent(jLabel8)
```

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

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

```
    .addComponent(jLabel13,  
javax.swing.GroupLayout.Alignment.LEADING))
```

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

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

```
    .addComponent(jLabel4)
```

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

```
    .addGap(26, 26, 26)
```

```
    .addComponent(jSeparator1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 13,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

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

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

```
    .addComponent(jLabel5)
```

```
    .addComponent(jLabel6)
```

```

        .addComponent(jLabel12))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jTextFieldEnderecoEditorLeitor,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextFieldBairroEditorLeitor,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextFieldNumeroEditorLeitor,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabelCidade)
        .addComponent(jLabel3))

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jTextFieldCidadeEditorLeitor,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jComboBoxUfEditorLeitor,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jFormattedTextFieldCepEditorLeitor,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE))))

```

```

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup()
    .addComponent(jLabel7)
    .addGap(26, 26, 26)))
.addGap(34, 34, 34)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
    .addComponent(jButtonSalvarEditarLeitor)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
    .addComponent(jButtonFecharEditarLeitor)
    .addComponent(jButtonCancelarEditarLeitor)))
.addContainerGap(25, Short.MAX_VALUE))
);

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addComponent(jPanelCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(22, 22, 22))
    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(514, 514, 514)
        .addComponent(jLabel11))
    .addGroup(layout.createSequentialGroup()
        .addGap(242, 242, 242)
        .addComponent(jLabel10)))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

```

```

        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel11)
            .addGap(24, 24, 24)
            .addComponent(jLabel10)
            .addGap(18, 18, 18)
            .addComponent(jPanelCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(30, 30, 30))
        );

        pack();
    }// </editor-fold>

    private void
jTextFieldNomeEditorLeitorActionPerformed(java.awt.event.ActionEvent evt)
    {
        // TODO add your handling code here:
    }

    private void
jButtonFecharEditorLeitorActionPerformed(java.awt.event.ActionEvent evt)
    {
        this.dispose();
    }

    private void
jButtonCancelarEditorLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
        this.dispose();
    }

    private void
jButtonPesquisarEditorLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
        EditorLeitor2 editorLeitor2 = new EditorLeitor2();
        TelaPrincipal.desktopPane.add(editorLeitor2);
        editorLeitor2.setVisible(true);
    }

```



```

    }

    private void
jButtonSalvarEditarLeitorActionPerformed(java.awt.event.ActionEvent evt) {
    Salvo salvo = new Salvo();
    TelaPrincipal.desktopPane.add(salvo);
    salvo.setVisible(true);
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarEditarLeitor;
private javax.swing.JButton jButtonFecharEditarLeitor;
private javax.swing.JButton jButtonPesquisarEditarLeitor;
private javax.swing.JButton jButtonSalvarEditarLeitor;
private javax.swing.JComboBox<String> jComboBoxUfEditarLeitor;
private javax.swing.JFormattedTextField
jFormattedTextFieldCepEditarLeitor;
    private javax.swing.JFormattedTextField
jFormattedTextFieldCpfEditarLeitor;
    private javax.swing.JFormattedTextField
jFormattedTextFieldDtNascimentoEditarLeitor;
    private javax.swing.JFormattedTextField
jFormattedTextFieldTelefoneEditarLeitor;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel13;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JLabel jLabelCidade;
    private javax.swing.JPanel jPanelCadastroLeitor;
    private javax.swing.JSeparator jSeparator1;
    private javax.swing.JTextField jTextFieldBairroEditarLeitor;
    private javax.swing.JTextField jTextFieldCidadeEditarLeitor;
    private javax.swing.JTextField jTextFieldEmailEditarLeitor;
    private javax.swing.JTextField jTextFieldEnderecoEditarLeitor;
    private javax.swing.JTextField jTextFieldNomeEditarLeitor;

```



```

setClosable(true);
setIconifiable(true);
setTitle("Sistema de Biblioteca - Edição de Editor");

jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Informe o nome do leitor ou número");

jTextFieldNomeEditarLeitor2.setToolTipText("Informe o nome ou
número do leitor");

jButtonEditarEditarLeitor2.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonEditarEditarLeitor2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonEditarEditarLeitor2.setText("Editar");
jButtonEditarEditarLeitor2.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonEditarEditarLeitor2ActionPerformed(evt);
    }
});

jButtonFecharEditarLeitor2.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonFecharEditarLeitor2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharEditarLeitor2.setText("Fechar");
jButtonFecharEditarLeitor2.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonFecharEditarLeitor2ActionPerformed(evt);
    }
});

jButtonCancelarEditarLeitor2.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonCancelarEditarLeitor2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarEditarLeitor2.setText("Cancelar");

```

```
jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Pesquisar  
por:"));
```

```
        jButton1.setFont(new java.awt.Font("Tahoma", 1, 11)); //  
NOI18N
```

```
        jButton1.setText("Por Nome");
```

```
        jButton2.setFont(new java.awt.Font("Tahoma", 1, 11)); //  
NOI18N
```

```
        jButton2.setText("Por Número");
```

```
        javax.swing.GroupLayout jPanel2Layout = new  
        javax.swing.GroupLayout(jPanel2);  
        jPanel2.setLayout(jPanel2Layout);  
        jPanel2Layout.setHorizontalGroup(  
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
        jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)
```

```
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
                .addComponent(jButton2)  
                .addComponent(jButton1))  
        );  
        jPanel2Layout.setVerticalGroup(  
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
        .addComponent(jRadioButton2)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

    jTableTabelaEditarLeitor2.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.setViewportViewView(jTableTabelaEditarLeitor2);

    jButtonPesquisarEditarLeitor2.setFont(new java.awt.Font("Tahoma",
1, 14)); // NOI18N
    jButtonPesquisarEditarLeitor2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
    jButtonPesquisarEditarLeitor2.setToolTipText("Clique para Pesquisar");

    javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(19, 19, 19)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.TRAILING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(89, 89, 89)
            .addComponent(jLabel2))
        .addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING, false)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
        .addComponent(jTextFieldNomeEditorLeitor2,
javax.swing.GroupLayout.PREFERRED_SIZE, 381,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jButtonEditorEditorLeitor2)
            .addGap(18, 18, 18)
            .addComponent(jButtonCancelarEditorLeitor2)
            .addGap(20, 20, 20)
            .addComponent(jButtonFecharEditorLeitor2,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(18, 18, 18)
        .addComponent(jButtonPesquisarEditorLeitor2)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(28, 28, 28)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.TRAILING)
        .addComponent(jTextFieldNomeEditorLeitor2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButtonPesquisarEditorLeitor2))
        .addGap(18, 18, 18)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 120,
javax.swing.GroupLayout.PREFERRED_SIZE)))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
        .addComponent(jButtonCancelarEditorLeitor2)
        .addComponent(jButtonFecharEditorLeitor2)
        .addComponent(jButtonEditorEditorLeitor2,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(39, 39, 39))
    );

    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(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

```

```

    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(22, Short.MAX_VALUE))
    );

    pack();
} // </editor-fold>

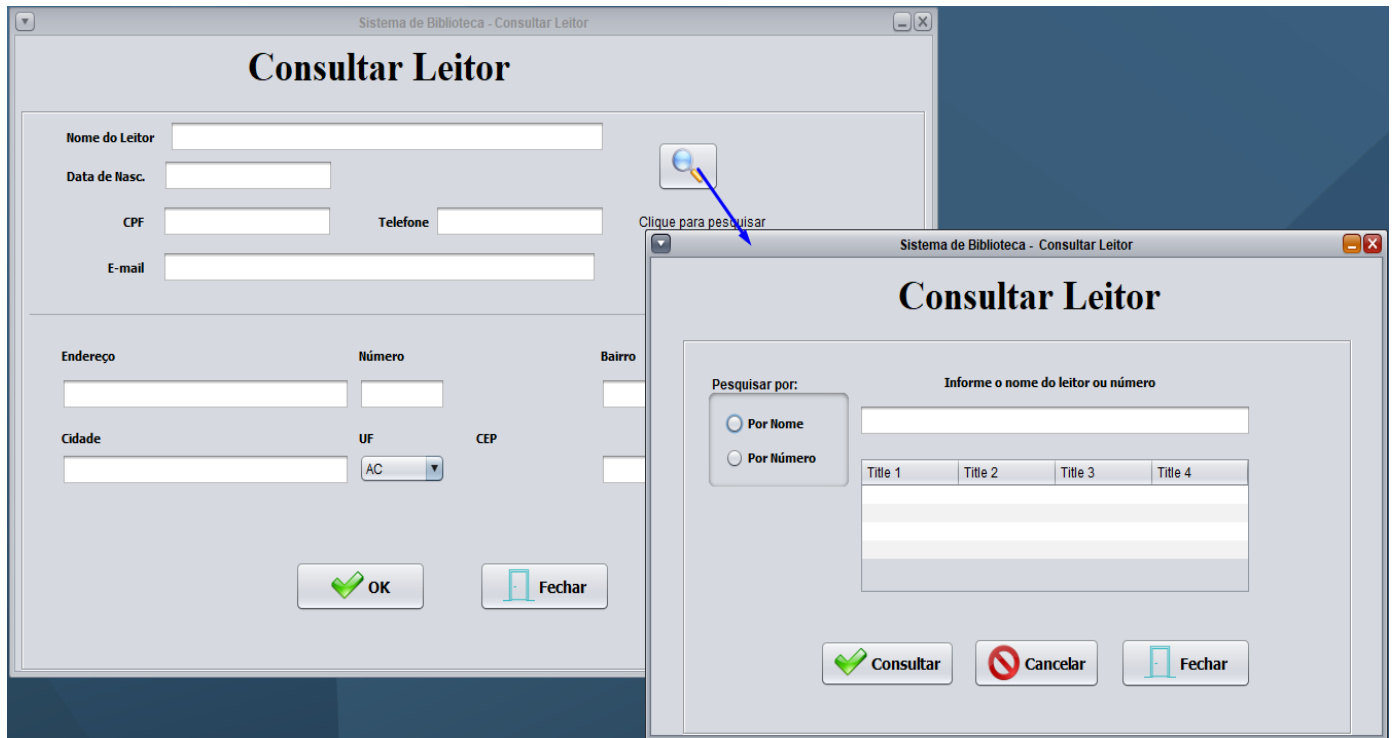
private void
jButtonFecharEditorLeitor2ActionPerformed(java.awt.event.ActionEvent evt)
{
    this.dispose();    // TODO add your handling code here:
}

private void
jButtonEditorEditorLeitor2ActionPerformed(java.awt.event.ActionEvent evt)
{
    // TODO add your handling code here:
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarEditorLeitor2;
private javax.swing.JButton jButtonEditorEditorLeitor2;
private javax.swing.JButton jButtonFecharEditorLeitor2;
private javax.swing.JButton jButtonPesquisarEditorLeitor2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JRadioButton jRadioButton1;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaEditorLeitor2;
private javax.swing.JTextField jTextFieldNomeEditorLeitor2;
// End of variables declaration
}

```


Tela 5. Consultar leitor



[RF05] - Responsável por consultar um cadastro de pessoa física, possibilitando, através da consulta, verificar algum erro de cadastro e realizar a correção na tela de alteração de cadastro. Para realizar a alteração é necessário, antes, realizar a pesquisa do Leitor. Ao clicar na Lupa, o usuário é direcionado para outra tela de pesquisa. Nela, ao selecionar o leitor e clicar em OK, volta para a tela anterior com os dados inseridos, para que seja realizada a alteração.

Código

1. Tela Principal

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ConsultaLeitor extends javax.swing.JFrame {
```

```

/**
 * Creates new form ConsultarLeitor
 */
public ConsultaLeitor() {
    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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jMenu1 = new javax.swing.JMenu();
    jLabel10 = new javax.swing.JLabel();
    jPanelCadastroLeitor = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jTextFieldEmail = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    jTextFieldEnderecoConsultaLeitor = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    jTextFieldBairroConsultaLeitor = new javax.swing.JTextField();
    jFormattedTextFieldDtNascimentoConsultaLeitor = new
javax.swing.JFormattedTextField();
    jLabel8 = new javax.swing.JLabel();
    jTextFieldTelefoneConsultaLeitor = new javax.swing.JTextField();
    jLabelCidade = new javax.swing.JLabel();
    jTextFieldCidadeConsultaLeitor = new javax.swing.JTextField();
    jComboBoxUfConsultaLeitor = new javax.swing.JComboBox<>();
    jLabel3 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jTextFieldCepConsultaLeitor = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    jTextFieldCpfConsultaLeitor = new javax.swing.JTextField();
    jSeparator1 = new javax.swing.JSeparator();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeConsultaLeitor = new javax.swing.JTextField();
    jButtonOkCadastroLeitor = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    jButtonFecharCadastroLeitor = new javax.swing.JButton();

```

```

jLabel12 = new javax.swing.JLabel();
jTextFieldNumeroConsultaLeitor = new javax.swing.JTextField();
jButtonPesquisaConsultaLeitor = new javax.swing.JButton();
jLabel11 = new javax.swing.JLabel();

jMenu1.setText("jMenu1");

setClosable(true);
setIconifiable(true);
setTitle("Sistema de Biblioteca - Consultar Leitor");

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); //
NOI18N
jLabel10.setText("Consultar Leitor");
jLabel10.setToolTipText("Cadastro de Leitor");

jPanelCadastroLeitor.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel4.setText("E-mail");

jTextFieldEmail.setToolTipText("Informe o E-mail");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel5.setText("Endereço");

jTextFieldEnderecoConsultaLeitor.setToolTipText("Informe o
endereço");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel6.setText("Bairro");

jTextFieldBairroConsultaLeitor.setToolTipText("Informe o bairro");

jFormattedTextFieldDtNascimentoConsultaLeitor.setToolTipText("Informe a
data de nascimento 14/05/1997");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel8.setText("Telefone");

jTextFieldTelefoneConsultaLeitor.setToolTipText("Informe o telefone");

```

```

        jLabelCidade.setFont(new java.awt.Font("Tahoma", 1, 11)); //
NOI18N
        jLabelCidade.setText("Cidade");

        jTextFieldCidadeConsultaLeitor.setToolTipText("Informe a cidade");

        JComboBoxUfConsultaLeitor.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "AC ", "AL", "AM",
"AP", "BA", "CE", "DF", "ES", "GO", "MA", "MG", "MS", "MT", "PA", "PB",
"PE", "PI", "PR", "RJ", "RN", "RO", "RR ", "RS", "SC", "SE", "SP", "TO" }));
        JComboBoxUfConsultaLeitor.setToolTipText("Escoha a Unidade
Federativa");

        jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel3.setText("UF");

        jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel7.setText("CEP");

        jTextFieldCepConsultaLeitor.setToolTipText("Informe o CEP");

        jLabel9.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel9.setText("CPF");

        jTextFieldCpfConsultaLeitor.setToolTipText("Informe o CPF");

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel1.setText("Nome do Leitor ");

        jTextFieldNomeConsultaLeitor.setToolTipText("Informa o nome do
leitor");
        jTextFieldNomeConsultaLeitor.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextFieldNomeConsultaLeitorActionPerformed(evt);
            }
        });

        jButtonOkCadastroLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
        jButtonOkCadastroLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
        jButtonOkCadastroLeitor.setText("OK");
        jButtonOkCadastroLeitor.setToolTipText("Confirmar");

```

```

        jButtonOkCadastroLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonOkCadastroLeitorActionPerformed(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Data de Nasc.");

jButtonFecharCadastroLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonFecharCadastroLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharCadastroLeitor.setText("Fechar");
jButtonFecharCadastroLeitor.setToolTipText("Fechar");
jButtonFecharCadastroLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonFecharCadastroLeitorActionPerformed(evt);
    }
});

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel12.setText("Número");

jButtonPesquisaConsultaLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisaConsultaLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonPesquisaConsultaLeitorActionPerformed(evt);
    }
});

jLabel11.setText("Clique para pesquisar");

javax.swing.GroupLayout jPanelCadastroLeitorLayout = new
javax.swing.GroupLayout(jPanelCadastroLeitor);
jPanelCadastroLeitor.setLayout(jPanelCadastroLeitorLayout);
jPanelCadastroLeitorLayout.setHorizontalGroup(

```

```

jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup()
        .addGap(42, 42, 42)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup()
        .addComponent(jLabel2)
        .addGap(18, 18, 18)

.addComponent(jFormattedTextFieldDtNascimentoConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 165,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup()
        .addGap(40, 40, 40)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jLabel4)
    .addComponent(jLabel9))
    .addGap(18, 18, 18)

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

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup()
    .addComponent(jTextFieldCpfConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 165,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel8)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jTextFieldTelefoneConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 165,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addComponent(jTextFieldEmail,
javax.swing.GroupLayout.PREFERRED_SIZE, 422,
javax.swing.GroupLayout.PREFERRED_SIZE)))

```

```

        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
        .addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
        .addComponent(jTextFieldNomeConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 423,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
51, Short.MAX_VALUE)
        .addComponent(jButtonPesquisaConsultaLeitor)
        .addGap(199, 199, 199))

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
        .addGap(33, 33, 33)
        .addComponent(jLabel11)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
        .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
        .addContainerGap()

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
        .addComponent(jSeparator1)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
        .addGap(31, 31, 31)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING, false)
        .addComponent(jLabelCidade)
        .addComponent(jTextFieldEnderecoConsultaLeitor)

```



```

        .addComponent(jTextFieldCidadeConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jLabel5))

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING, false)
        .addComponent(jLabel3)
        .addComponent(jTextFieldNumeroConsultaLeitor,
javax.swing.GroupLayout.DEFAULT_SIZE, 84, Short.MAX_VALUE)
        .addComponent(jLabel12)
        .addComponent(jComboBoxUfConsultaLeitor, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING, false)
        .addComponent(jTextFieldCepConsultaLeitor,
javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jTextFieldBairroConsultaLeitor,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 280, Short.MAX_VALUE)
        .addComponent(jLabel6,
javax.swing.GroupLayout.Alignment.LEADING))
        .addGap(28, 28, 28))

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
        .addGap(30, 30, 30)
        .addComponent(jLabel7)
        .addGap(0, 0, Short.MAX_VALUE))))
        .addContainerGap()
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
        .addGap(264, 264, 264)

```

```

        .addComponent(jButtonOkCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(52, 52, 52)
        .addComponent(jButtonFecharCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanelCadastroLeitorLayout.setVerticalGroup(

jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
        .addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
        .addContainerGap()

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING)

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(jTextFieldNomeConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(jLabel2)

.addComponent(jFormattedTextFieldDtNascimentoConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addComponent(jButtonPesquisaConsultaLeitor))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)

```

```
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
```

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

```
    .addComponent(jTextFieldCpfConsultaLeitor,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel9)  
    .addComponent(jTextFieldTelefoneConsultaLeitor,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel8)  
    .addComponent(jLabel11))
```

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

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

```
    .addComponent(jLabel4)  
    .addComponent(jTextFieldEmail,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
    .addGap(26, 26, 26)  
    .addComponent(jSeparator1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 13,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addGap(18, 18, 18)
```

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

```
    .addComponent(jLabel5)  
    .addComponent(jLabel6)  
    .addComponent(jLabel12))
```

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

```

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
    .addComponent(jTextFieldEnderecoConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jTextFieldBairroConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jTextFieldNumeroConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
    .addComponent(jLabelCidade)
    .addComponent(jLabel3))

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

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
    .addComponent(jTextFieldCidadeConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jComboBoxUfConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addComponent(jLabel7)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jTextFieldCepConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

```

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

```
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro  
upLayout.Alignment.BASELINE)  
    .addComponent(jButtonFecharCadastroLeitor)  
    .addComponent(jButtonOkCadastroLeitor))  
    .addGap(50, 50, 50))  
);
```

```
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()
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L  
EADING)
```

```
    .addGroup(layout.createSequentialGroup()  
        .addGap(220, 220, 220)  
        .addComponent(jLabel10)  
        .addGap(326, 326, 326))  
    .addComponent(jPanelCadastroLeitor,  
javax.swing.GroupLayout.Alignment.TRAILING,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE))  
);  
layout.setVerticalGroup(
```

```
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addGroup(layout.createSequentialGroup()  
        .addContainerGap()  
        .addComponent(jLabel10)  
        .addGap(18, 18, 18)  
        .addComponent(jPanelCadastroLeitor,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```

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

    pack();
} // </editor-fold>

private void
jTextFieldNomeConsultaLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

private void
jButtonFecharCadastroLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
    this.dispose();
}

private void
jButtonPesquisaConsultaLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
    /* ConsultaLeitor2 consulta2 = new ConsultaLeitor2(this, true);
    consulta2.setVisible(true);*/

    //ConsultaLeitorDois consultaDois = new ConsultaLeitor2();
    //consultaDois.add(consultaDois);
    //this.desktopPane.add(consultaDois);
    // consultaDois.setVisible(true);

    //new ConsultaLeitor2().setVisible(true); poloma

    ConsultaLeitor2 consultaLeitor2 = new ConsultaLeitor2();
    TelaPrincipal.desktopPane.add(consultaLeitor2);
    consultaLeitor2.setVisible(true);
}

private void
jButtonOkCadastroLeitorActionPerformed(java.awt.event.ActionEvent evt) {
    this.dispose();
}

// Variables declaration - do not modify

```

```

private javax.swing.JButton jButtonFecharCadastroLeitor;
private javax.swing.JButton jButtonOkCadastroLeitor;
private javax.swing.JButton jButtonPesquisaConsultaLeitor;
private javax.swing.JComboBox<String> jComboBoxUfConsultaLeitor;
private javax.swing.JFormattedTextField
jFormattedTextFieldDtNascimentoConsultaLeitor;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JLabel jLabelCidade;
private javax.swing.JMenu jMenu1;
private javax.swing.JPanel jPanelCadastroLeitor;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JTextField jTextFieldBairroConsultaLeitor;
private javax.swing.JTextField jTextFieldCepConsultaLeitor;
private javax.swing.JTextField jTextFieldCidadeConsultaLeitor;
private javax.swing.JTextField jTextFieldCpfConsultaLeitor;
private javax.swing.JTextField jTextFieldEmail;
private javax.swing.JTextField jTextFieldEnderecoConsultaLeitor;
private javax.swing.JTextField jTextFieldNomeConsultaLeitor;
private javax.swing.JTextField jTextFieldNumeroConsultaLeitor;
private javax.swing.JTextField jTextFieldTelefoneConsultaLeitor;
// End of variables declaration
}

```

2. Tela de Pesquisa

```

/*
 * 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 view;

/**

```

```

*
* @author Jefferson Queiroz
*/
public class ConsultaLeitor2 extends javax.swing.JInternalFrame {

    /**
     * Creates new form ConsultaLeitor
     */
    public ConsultaLeitor2() {
        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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel10 = new javax.swing.JLabel();
        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jTextFieldNomeConsultaLeitor = new javax.swing.JTextField();
        jButtonConsultarConsultaLeitor = new javax.swing.JButton();
        jButtonFecharConsultaLeitor = new javax.swing.JButton();
        jButtonCancelarConsultaLeitor = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        jRadioButtonNomeConsultaLeitor = new javax.swing.JRadioButton();
        jRadioButtonNumeroConsultaLeitor = new
javax.swing.JRadioButton();
        jLabel1 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTableTabelaConsultaLeitor = new javax.swing.JTable();

        setClosable(true);
        setIconifiable(true);
        setTitle("Sistema de Biblioteca - Consultar Leitor");

        jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); //
NOI18N
        jLabel10.setText("Consultar Leitor");

```



```

jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Informe o nome do leitor ou número");

jTextFieldNomeConsultaLeitor.setToolTipText("Informe o nome ou
número do leitor");

jButtonConsultarConsultaLeitor.setFont(new java.awt.Font("Tahoma",
1, 14)); // NOI18N
jButtonConsultarConsultaLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonConsultarConsultaLeitor.setText("Consultar");

jButtonFecharConsultaLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonFecharConsultaLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharConsultaLeitor.setText("Fechar");
jButtonFecharConsultaLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonFecharConsultaLeitorActionPerformed(evt);
    }
});

jButtonCancelarConsultaLeitor.setFont(new java.awt.Font("Tahoma",
1, 14)); // NOI18N
jButtonCancelarConsultaLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarConsultaLeitor.setText("Cancelar");

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Pesquisar
por:"));

jRadioButtonNomeConsultaLeitor.setFont(new
java.awt.Font("Tahoma", 1, 11)); // NOI18N
jRadioButtonNomeConsultaLeitor.setText("Por Nome");

jRadioButtonNumeroConsultaLeitor.setFont(new
java.awt.Font("Tahoma", 1, 11)); // NOI18N

```

```

jRadioButtonNumeroConsultaLeitor.setText("Por Número");

javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
        .addGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jRadioButtonNumeroConsultaLeitor)
    .addComponent(jRadioButtonNomeConsultaLeitor))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel1)
    .addGap(16, 16, 16))
);
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGroup(jPanel2Layout.createParallelGroup(
            .addComponent(jLabel1)
            .addGap(56, 56, 56))
        .addGroup(jPanel2Layout.createParallelGroup(
            .addComponent(jRadioButtonNomeConsultaLeitor)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addComponent(jRadioButtonNumeroConsultaLeitor)
    .addGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

jTableTabelaConsultaLeitor.setModel(new
javax.swing.table.DefaultTableModel(

```



```

        .addComponent(jTextFieldNomeConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 381,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jButtonConsultarConsultaLeitor)
        .addGap(18, 18, 18)
        .addComponent(jButtonCancelarConsultaLeitor)
        .addGap(20, 20, 20)
        .addComponent(jButtonFecharConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(96, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(28, 28, 28)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
        .addComponent(jTextFieldNomeConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 120,
javax.swing.GroupLayout.PREFERRED_SIZE)))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)

```

```

        .addComponent(jButtonCancelarConsultaLeitor)
        .addComponent(jButtonFecharConsultaLeitor)
        .addComponent(jButtonConsultarConsultaLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(39, 39, 39))
    );

    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(31, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addComponent(jLabel10)
                .addGap(215, 215, 215))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(29, 29, 29))))
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addGap(12, 12, 12)
            .addComponent(jLabel10)
            .addGap(18, 18, 18)
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

```

```

);

pack();
} // </editor-fold>

private void
jButtonFecharConsultaLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
    this.dispose();
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarConsultaLeitor;
private javax.swing.JButton jButtonConsultarConsultaLeitor;
private javax.swing.JButton jButtonFecharConsultaLeitor;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JRadioButton jRadioButtonNomeConsultaLeitor;
private javax.swing.JRadioButton jRadioButtonNumeroConsultaLeitor;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaConsultaLeitor;
private javax.swing.JTextField jTextFieldNomeConsultaLeitor;
// End of variables declaration
}

```

Tela 6. Excluir leitor

Sistema de Biblioteca - Excluir Leitor

Excluir Leitor

Pesquisar por:

☐ Por Nome
 ☐ Por Número

Informe o nome do leitor ou número

Title 1	Title 2	Title 3	Title 4

[RF06] - Responsável por excluir o cadastro de um leitor.

Código

```
package view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ExcluirLeitor extends javax.swing.JInternalFrame {

    /** Creates new form ExcluirLeitor */
    public ExcluirLeitor() {
        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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jTextFieldNomeExcluirLeitor = new javax.swing.JTextField();
        jButtonExcluirLeitor = new javax.swing.JButton();
        jButtonCancelarExcluirLeitor = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        jRadioButton1 = new javax.swing.JRadioButton();
        jRadioButton2 = new javax.swing.JRadioButton();
        jLabel1 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTableTabelaExcluirLeitor = new javax.swing.JTable();
        jButtonPesquisaExcluirLeitor = new javax.swing.JButton();
        jLabel10 = new javax.swing.JLabel();

        setClosable(true);
        setIconifiable(true);
        setResizable(true);
        setTitle("Sistema de Biblioteca - Excluir Leitor");
    }
}
```

```

jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Informe o nome do leitor ou número");

jTextFieldNomeExcluirLeitor.setToolTipText("Informe o nome ou
número do leitor");

jButtonExcluirLeitor.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonExcluirLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/trash-
can_115312.png"))); // NOI18N
jButtonExcluirLeitor.setText("Excluir");

jButtonCancelarExcluirLeitor.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonCancelarExcluirLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarExcluirLeitor.setText("Cancelar");
jButtonCancelarExcluirLeitor.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonCancelarExcluirLeitorActionPerformed(evt);
    }
});

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Pesquisar
por:"));

jRadioButton1.setFont(new java.awt.Font("Tahoma", 1, 11)); //
NOI18N
jRadioButton1.setText("Por Nome");

jRadioButton2.setFont(new java.awt.Font("Tahoma", 1, 11)); //
NOI18N
jRadioButton2.setText("Por Número");

javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(

```



```

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jRadioButton2)
    .addComponent(jRadioButton1))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel1)
    .addGap(16, 16, 16))
);
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel1)
        .addGap(56, 56, 56))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jRadioButton1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addComponent(jRadioButton2)
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

jTableTabelaExclurLeitor.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(jTableTabelaExcluirLeitor);

    jButtonPesquisaExcluirLeitor.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
    NOI18N

    javax.swing.GroupLayout jPanel1Layout = new
    javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(

    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(19, 19, 19)
            .addComponent(jPanel2,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(89, 89, 89)
                    .addComponent(jLabel2))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(19, 19, 19)
                    .addComponent(jButtonPesquisaExcluirLeitor)))
            .addContainerGap())
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(19, 19, 19)
            .addComponent(jScrollPane1,
                javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
            .addComponent(jTextFieldNomeExcluirLeitor,
                javax.swing.GroupLayout.PREFERRED_SIZE, 381,
                javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap())
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 38, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jTextFieldNomeExcluirLeitor,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 30, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jButtonPesquisaExcluirLeitor,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 30, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jScrollPane1,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 150, Short.MAX_VALUE)
                .addContainerGap())
    );

```

```

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jButtonExcluirLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(31, 31, 31)
        .addComponent(jButtonCancelarExcluirLeitor)
        .addGap(133, 133, 133))
    );
jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addGap(28, 28, 28)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
    .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGroup(jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
    .addComponent(jTextFieldNomeExcluirLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addComponent(jButtonPesquisaExcluirLeitor))
    .addGap(24, 24, 24)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 120,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGap(28, 28, 28)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jButtonExcluirLeitor)
    .addComponent(jButtonCancelarExcluirLeitor))
.addContainerGap(49, Short.MAX_VALUE))
);

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); //
NOI18N
jLabel10.setText("Excluir Leitor");

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
    .addComponent(jLabel10)
    .addGap(224, 224, 224))
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
    .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap()))))
);
layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
    .addGap(6, 6, 6)
    .addComponent(jLabel10)

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

```

```

        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(16, Short.MAX_VALUE))
    );

    pack();
} // </editor-fold>

private void
jButtonCancelarExcluirLeitorActionPerformed(java.awt.event.ActionEvent
evt) {
    this.dispose();
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarExcluirLeitor;
private javax.swing.JButton jButtonExcluirLeitor;
private javax.swing.JButton jButtonPesquisaExcluirLeitor;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JRadioButton jRadioButton1;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaExcluirLeitor;
private javax.swing.JTextField jTextFieldNomeExcluirLeitor;
// End of variables declaration

}

```

Tela 7. Inclusão de livro



Sistema Biblioteca - Cadastro de Livro

Cadastro de Livro

Título da Obra

Autor

Editora

Ano da Edição Volume

 OK  Cancelar  Fechar

[RF07] - Responsável pelo cadastro dos livros a serem utilizados no empréstimo solicitado pelo leitor.

Código

```
package view;
```

```
/**
```

```
 *
```

```
 * @author Jefferson Queiroz
```

```
 */
```

```
public class CadastroLivro extends javax.swing.JInternalFrame {
```

```
    /**
```

```
     * Creates new form CadastroLivro
```

```
     */
```

```
    public CadastroLivro() {
```

```
        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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jTextFieldVolumeCadastroLivro = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jComboBoxAutorCadastroLivro = new javax.swing.JComboBox<>();
    jComboBoxEditoraCadastroLivro = new javax.swing.JComboBox<>();
    jLabel5 = new javax.swing.JLabel();
    jTextFieldAnoCadastroLivro = new javax.swing.JTextField();
    jButtonOkCadastroLivro = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    jButtonCancelarCadastroLivro = new javax.swing.JButton();
    jTextFieldTituloCadastroLivro = new javax.swing.JTextField();
    jButtonFecharCadastroLivro = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema Biblioteca - Cadastro de Livro");

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); //
NOI18N
    jLabel10.setText("Cadastro de Livro");

    jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jTextFieldVolumeCadastroLivro.setToolTipText("Quantidade que vai
inserir na biblioteca");

    jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel3.setText("Autor");

    jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel4.setText("Editora");

```

```

        jComboBoxAutorCadastroLivro.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1", "Item 2",
"Item 3", "Item 4" }));
        jComboBoxAutorCadastroLivro.setToolTipText("Selecione o Autor");

        jComboBoxEditoraCadastroLivro.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1", "Item 2",
"Item 3", "Item 4" }));
        jComboBoxEditoraCadastroLivro.setToolTipText("Selecione a Editora");

        jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel5.setText("Ano da Edição");

        jTextFieldAnoCadastroLivro.setToolTipText("Apenas o ano");

        jButtonOkCadastroLivro.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N
        jButtonOkCadastroLivro.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
        jButtonOkCadastroLivro.setText("OK");

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel1.setText("Título da Obra");

        jButtonCancelarCadastroLivro.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
        jButtonCancelarCadastroLivro.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
        jButtonCancelarCadastroLivro.setText("Cancelar");

        jTextFieldTituloCadastroLivro.setToolTipText("Informe o título do
filme");

        jButtonFecharCadastroLivro.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
        jButtonFecharCadastroLivro.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
        jButtonFecharCadastroLivro.setText("Fechar");
        jButtonFecharCadastroLivro.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {

```



```

        jButtonFecharCadastroLivroActionPerformed(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Volume");

    javax.swing.GroupLayout jPanel2Layout = new
    javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(51, 51, 51)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel5)
                    .addGap(18, 18, 18)
                    .addComponent(jTextFieldAnoCadastroLivro,
javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(58, 58, 58)
                    .addComponent(jLabel2)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(jTextFieldVolumeCadastroLivro,
javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jButtonOkCadastroLivro,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(jButtonCancelarCadastroLivro)
                        .addGap(18, 18, 18)

```

```

        .addComponent(jButtonFecharCadastroLivre,
javax.swing.GroupLayout.PREFERRED_SIZE,          127,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel2Layout.createSequentialGroup())

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addComponent(jLabel1,
javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jLabel4,
javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.TRAILING))
        .addGap(18, 18, 18)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.TRAILING, false)
        .addComponent(jComboBoxAutorCadastroLivre,
javax.swing.GroupLayout.Alignment.LEADING,          0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jTextFieldTituloCadastroLivre,
javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jComboBoxEditoraCadastroLivre,
javax.swing.GroupLayout.PREFERRED_SIZE,          336,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addContainerGap(78, Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
    .addGroup(jPanel2Layout.createSequentialGroup())
        .addContainerGap()

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(jTextFieldTituloCadastroLivre,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel1))
        .addGap(18, 18, 18)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)

```

```

        .addComponent(jComboBoxAutorCadastroLivro,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(jComboBoxEditoraCadastroLivro,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(jLabel2)
        .addComponent(jTextFieldVolumeCadastroLivro,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(jTextFieldAnoCadastroLivro,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5)))

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

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addComponent(jButtonOkCadastroLivro)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(jButtonFecharCadastroLivro)

```

```

        .addComponent(jButtonCancelarCadastroLivre)))
    .addGap(44, 44, 44))
);

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createSequentialGroup()
                    .addGap(161, 161, 161)
                    .addComponent(jLabel10))
                .addGroup(layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(0, 11, Short.MAX_VALUE))
            )
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(layout.createSequentialGroup()
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addContainerGap(24, Short.MAX_VALUE))
                            )
                        .addComponent(jButtonCancelarCadastroLivre)))
                    .addGroup(layout.createSequentialGroup()
                        .addGap(44, 44, 44)
                        .addComponent(jButtonCancelarCadastroLivre)))
                )
            )
        )
    )
);

pack();
} // </editor-fold>

```

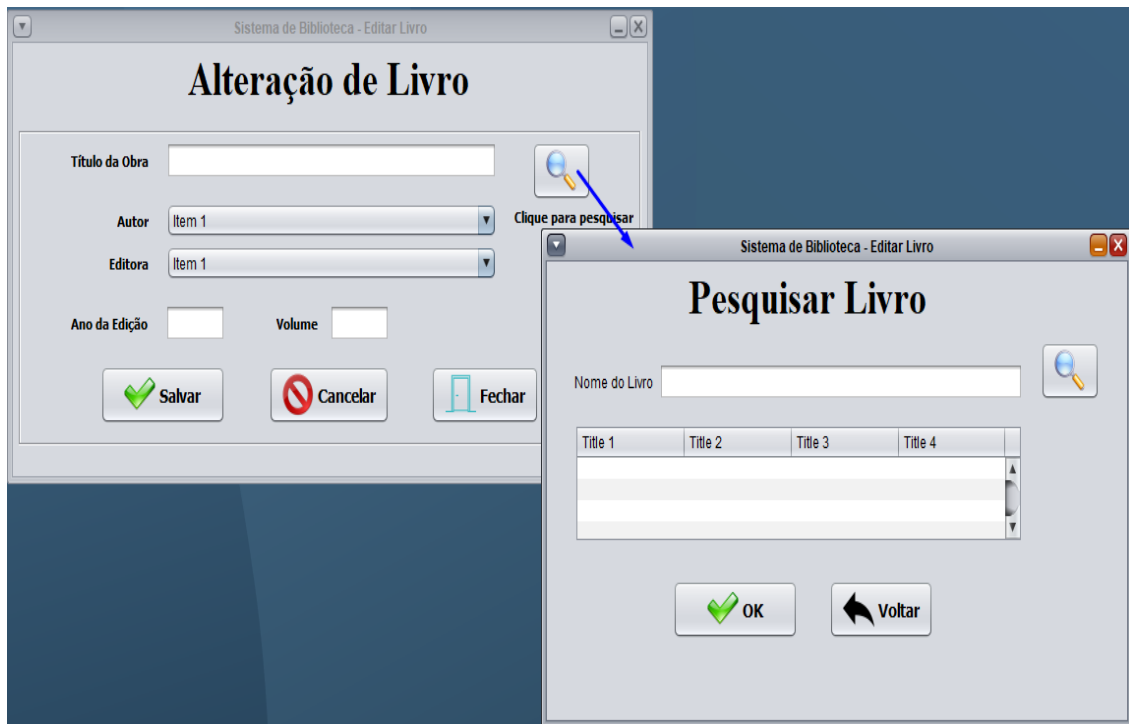
```

private                                                                 void
jButtonFecharCadastroLivroActionPerformed(java.awt.event.ActionEvent
evt) {
    this.dispose();
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarCadastroLivro;
private javax.swing.JButton jButtonFecharCadastroLivro;
private javax.swing.JButton jButtonOkCadastroLivro;
private javax.swing.JComboBox<String> jComboBoxAutorCadastroLivro;
private                                                                 javax.swing.JComboBox<String>
jComboBoxEditoraCadastroLivro;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel2;
private javax.swing.JTextField jTextFieldAnoCadastroLivro;
private javax.swing.JTextField jTextFieldTituloCadastroLivro;
private javax.swing.JTextField jTextFieldVolumeCadastroLivro;
// End of variables declaration
}

```

Tela 8. Alteração de livro



[RF08] - Responsável pela alteração dos dados dos livros cadastrados a serem utilizados no empréstimo solicitado pelo leitor.

Para realizar a alteração é necessário, antes, realizar a pesquisa do livro. Ao clicar na Lupa, o usuário é direcionado para outra tela de pesquisa. Nela, ao selecionar o livro e clicar em OK, volta para a tela anterior com os dados inseridos, para que seja realizada a alteração.

Código

1. Tela Principal

```
package view;
```

```
import Imagens.Salvo;
```

```
/**
```

```
*
```

```
* @author Jefferson Queiroz
```

```
*/
```

```
public class EditarLeitor extends javax.swing.JInternalFrame {
```

```
/**
```

```
* Creates new form CadastroLeitor
```

```
*/
```

```
public EditarLeitor() {
```

```

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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();
    jPanelCadastroLeitor = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jTextFieldEmailEditorLeitor = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    jTextFieldEnderecoEditorLeitor = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    jTextFieldBairroEditorLeitor = new javax.swing.JTextField();
    jFormattedTextFieldDtNascimentoEditorLeitor = new
    javax.swing.JFormattedTextField();
    jLabel8 = new javax.swing.JLabel();
    jLabelCidade = new javax.swing.JLabel();
    jTextFieldCidadeEditorLeitor = new javax.swing.JTextField();
    jComboBoxUfEditorLeitor = new javax.swing.JComboBox<>();
    jLabel3 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jSeparator1 = new javax.swing.JSeparator();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeEditorLeitor = new javax.swing.JTextField();
    jButtonSalvarEditorLeitor = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    jButtonCancelarEditorLeitor = new javax.swing.JButton();
    jButtonFecharEditorLeitor = new javax.swing.JButton();
    jLabel12 = new javax.swing.JLabel();
    jTextFieldNumeroEditorLeitor = new javax.swing.JTextField();
    jButtonPesquisarEditorLeitor = new javax.swing.JButton();
    jLabel13 = new javax.swing.JLabel();
    jFormattedTextFieldCpfEditorLeitor = new
    javax.swing.JFormattedTextField();

```

```

jFormattedTextFieldTelefoneEditorLeitor = new
javax.swing.JFormattedTextField();
jFormattedTextFieldCepEditorLeitor = new
javax.swing.JFormattedTextField();

setClosable(true);
setIconifiable(true);
setResizable(true);
setTitle("Sistema de Biblioteca - Editar Leitor");

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); //
NOI18N
jLabel10.setText("Edição de Leitor");
jLabel10.setToolTipText("Cadastro de Leitor");

jPanelCadastroLeitor.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel4.setText("E-mail");

jtextfieldemaileditarleitor.setText("jefferson@gmail.com");
jTextFieldEmailEditorLeitor.setToolTipText("Informe o E-mail");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel5.setText("Endereço");

jTextFieldEnderecoEditorLeitor.setText("Rua José Eclides");
jTextFieldEnderecoEditorLeitor.setToolTipText("Informe o endereço");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel6.setText("Bairro");

jTextFieldBairroEditorLeitor.setText("Boa Vista");
jTextFieldBairroEditorLeitor.setToolTipText("Informe o bairro");

try {
jFormattedTextFieldDtNascimentoEditorLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("##-##-####"));
} catch (java.text.ParseException ex) {
ex.printStackTrace();
}
jFormattedTextFieldDtNascimentoEditorLeitor.setToolTipText("Informe a
data de nascimento 14/05/1997");

```



```

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel8.setText("Telefone");

jLabelCidade.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabelCidade.setText("Cidade");

jTextFieldCidadeEditarLeitor.setText("Recife");
jTextFieldCidadeEditarLeitor.setToolTipText("Informe a cidade");

jComboBoxUfEditarLeitor.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "PE", "AC ", "AL",
"AM", "AP", "BA", "CE", "DF", "ES", "GO", "MA", "MG", "MS", "MT", "PA",
"PB", "PE", "PI", "PR", "RJ", "RN", "RO", "RR ", "RS", "SC", "SE", "SP", "TO"
}));
jComboBoxUfEditarLeitor.setToolTipText("Escoha a Unidade Federativa");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel3.setText("UF");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel7.setText("CEP");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel9.setText("CPF");

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel1.setText("Nome do Leitor ");

jTextFieldNomeEditarLeitor.setText("Jefferson Queiroz");
jTextFieldNomeEditarLeitor.setToolTipText("Informa o nome do leitor");
jTextFieldNomeEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jTextFieldNomeEditarLeitorActionPerformed(evt);
}
});

jButtonSalvarEditarLeitor.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonSalvarEditarLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonSalvarEditarLeitor.setText("Salvar");
jButtonSalvarEditarLeitor.setToolTipText("Confirmar");

```

```

jButtonSalvarEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonSalvarEditarLeitorActionPerformed(evt);
}
});

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Data de Nasc.");

jButtonCancelarEditarLeitor.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N
jButtonCancelarEditarLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarEditarLeitor.setText("Cancelar");
jButtonCancelarEditarLeitor.setToolTipText("Cancelar");
jButtonCancelarEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonCancelarEditarLeitorActionPerformed(evt);
}
});

jButtonFecharEditarLeitor.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonFecharEditarLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharEditarLeitor.setText("Fechar");
jButtonFecharEditarLeitor.setToolTipText("Fechar");
jButtonFecharEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonFecharEditarLeitorActionPerformed(evt);
}
});

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel12.setText("Número");

jTextFieldNumeroEditarLeitor.setText("545");

```

```

jButtonPesquisarEditarLeitor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisarEditarLeitor.setToolTipText("Clique para Pesquisar");
jButtonPesquisarEditarLeitor.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonPesquisarEditarLeitorActionPerformed(evt);
}
});

```

```

jLabel13.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel13.setText("Clique para pesquisar");

```

```

try {
jFormattedTextFieldCpfEditarLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("###.###.###-##"));
} catch (java.text.ParseException ex) {
ex.printStackTrace();
}

```

```

try {
jFormattedTextFieldTelefoneEditarLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("(##)###-#####"));
} catch (java.text.ParseException ex) {
ex.printStackTrace();
}

```

```

try {
jFormattedTextFieldCepEditarLeitor.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("#####-##"));
} catch (java.text.ParseException ex) {
ex.printStackTrace();
}

```

```

javax.swing.GroupLayout jPanelCadastroLeitorLayout = new
javax.swing.GroupLayout(jPanelCadastroLeitor);
jPanelCadastroLeitor.setLayout(jPanelCadastroLeitorLayout);
jPanelCadastroLeitorLayout.setHorizontalGroup(
jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup()

```

```

.addContainerGap()
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addComponent(jSeparator1)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addGap(31, 31, 31)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING, false)
.addComponent(jLabelCidade)
.addComponent(jTextFieldEnderecoEditarLeitor)
.addComponent(jTextFieldCidadeEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 280,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jLabel5))
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addComponent(jTextFieldNumeroEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel12))
.addGap(30, 30, 30))
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addGap(47, 47, 47)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING, false)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addComponent(jLabel3)
.addGap(98, 98, 98))
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addComponent(jComboBoxUfEditarLeitor, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addGap(30, 30, 30))))
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addComponent(jLabel7)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING, false)
.addComponent(jFormattedTextFieldCepEditarLeitor)

```

```

.addComponent(jTextFieldBairroEditorLeitor,
javax.swing.GroupLayout.DEFAULT_SIZE, 280, Short.MAX_VALUE)
.addComponent(jLabel6, javax.swing.GroupLayout.Alignment.LEADING))))))
.addContainerGap()
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addGap(42, 42, 42)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING, false)
.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
.addComponent(jLabel2)
.addGap(18, 18, 18)
.addComponent(jFormattedTextFieldDtNascimentoEditorLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 165,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
.addGap(40, 40, 40)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING)
.addComponent(jLabel4)
.addComponent(jLabel9))
.addGap(18, 18, 18)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addComponent(jFormattedTextFieldCpfEditorLeitor)
.addGap(44, 44, 44)
.addComponent(jLabel8)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jFormattedTextFieldTelefoneEditorLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 159,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jTextFieldEmailEditorLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 422,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanelCadastroLeitorLayout.createSequentialGroup())
.addComponent(jLabel1)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jTextFieldNomeEditorLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 423,
javax.swing.GroupLayout.PREFERRED_SIZE)))

```

```

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
35, Short.MAX_VALUE)
.addComponent(jButtonPesquisarEditarLeitor)
.addGap(136, 136, 136))
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addGap(18, 18, 18)
.addComponent(jLabel13)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addGap(164, 164, 164)
.addComponent(jButtonSalvarEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonCancelarEditarLeitor)
.addGap(18, 18, 18)
.addComponent(jButtonFecharEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
jPanelCadastroLeitorLayout.setVerticalGroup(
jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
.addComponent(jLabel1)
.addComponent(jTextFieldNomeEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
.addComponent(jLabel2)

```

```

.addComponent(jFormattedTextFieldDtNascimentoEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addGap(28, 28, 28)
.addComponent(jButtonPesquisarEditarLeitor)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING)
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.TRAILING)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
.addComponent(jLabel9)
.addComponent(jLabel8)
.addComponent(jFormattedTextFieldCpfEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jFormattedTextFieldTelefoneEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jLabel13, javax.swing.GroupLayout.Alignment.LEADING))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
.addComponent(jLabel4)
.addComponent(jTextFieldEmailEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(26, 26, 26)
.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE,
13, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
.addComponent(jLabel5)
.addComponent(jLabel6)
.addComponent(jLabel12))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
.addComponent(jTextFieldEnderecoEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jTextFieldBairroEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jTextFieldNumeroEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addComponent(jLabelCidade)
.addComponent(jLabel3))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addComponent(jTextFieldCidadeEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
.addComponent(jComboBoxUfEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jFormattedTextFieldCepEditarLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))
.addGroup(jPanelCadastroLeitorLayout.createSequentialGroup())
.addComponent(jLabel7)
.addGap(26, 26, 26)))
.addGap(34, 34, 34)
.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
.addComponent(jButtonSalvarEditarLeitor)

```



```

.addGroup(jPanelCadastroLeitorLayout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
.addComponent(jButtonFecharEditarLeitor)
.addComponent(jButtonCancelarEditarLeitor)))
.addContainerGap(25, Short.MAX_VALUE))
);

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addComponent(jPanelCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(22, 22, 22))
.addGroup(layout.createSequentialGroup())
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
.addGroup(layout.createSequentialGroup())
.addGap(514, 514, 514)
.addComponent(jLabel11))
.addGroup(layout.createSequentialGroup())
.addGap(242, 242, 242)
.addComponent(jLabel10)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addComponent(jLabel11)
.addGap(24, 24, 24)
.addComponent(jLabel10)
.addGap(18, 18, 18)
.addComponent(jPanelCadastroLeitor,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(30, 30, 30))
);

pack();
}// </editor-fold>

private void
jTextFieldNomeEditorActionPerformed(java.awt.event.ActionEvent evt)
{
// TODO add your handling code here:
}

private void
jButtonFecharEditorActionPerformed(java.awt.event.ActionEvent evt)
{
this.dispose();
}

private void jButtonCancelarEditorA

```

2. Tela de Pesquisa

```

package view;

/**
 *
 * @author Jefferson Queiroz
 */
public class EditorLeitor2 extends javax.swing.JInternalFrame {

/**
 * Creates new form EditorLeitor2
 */
public EditorLeitor2() {
 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")

```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jTextFieldNomeEditorLeitor2 = new javax.swing.JTextField();
    jButtonEditarEditorLeitor2 = new javax.swing.JButton();
    jButtonFecharEditorLeitor2 = new javax.swing.JButton();
    jButtonCancelarEditorLeitor2 = new javax.swing.JButton();
    jPanel2 = new javax.swing.JPanel();
    jRadioButton1 = new javax.swing.JRadioButton();
    jRadioButton2 = new javax.swing.JRadioButton();
    jLabel1 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaEditorLeitor2 = new javax.swing.JTable();
    jButtonPesquisarEditorLeitor2 = new javax.swing.JButton();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Edição de Editor");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel2.setText("Informe o nome do leitor ou número");

    jTextFieldNomeEditorLeitor2.setToolTipText("Informe o nome ou número do
    leitor");

    jButtonEditarEditorLeitor2.setFont(new java.awt.Font("Tahoma", 1, 14)); //
    NOI18N
    jButtonEditarEditorLeitor2.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
    NOI18N
    jButtonEditarEditorLeitor2.setText("Editar");
    jButtonEditarEditorLeitor2.addActionListener(new
    java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButtonEditarEditorLeitor2ActionPerformed(evt);
        }
    });

    jButtonFecharEditorLeitor2.setFont(new java.awt.Font("Tahoma", 1, 14));
    // NOI18N

```

```

jButtonFecharEditarLeitor2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharEditarLeitor2.setText("Fechar");
jButtonFecharEditarLeitor2.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonFecharEditarLeitor2ActionPerformed(evt);
}
});

jButtonCancelarEditarLeitor2.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N
jButtonCancelarEditarLeitor2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarEditarLeitor2.setText("Cancelar");

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Pesquisar
por:"));

jRadioButton1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jRadioButton1.setText("Por Nome");

jRadioButton2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jRadioButton2.setText("Por Número");

javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
.addContainerGap()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jRadioButton2)
.addComponent(jRadioButton1))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jLabel1)
.addGap(16, 16, 16))
);

```

```

jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel2Layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addComponent(jLabel1)
.addGap(56, 56, 56))
.addGroup(jPanel2Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jRadioButton1)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jRadioButton2)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

```

```

jTableTabelaEditorLeitor2.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(jTableTabelaEditorLeitor2);

```

```

jButtonPesquisarEditorLeitor2.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonPesquisarEditorLeitor2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisarEditorLeitor2.setToolTipText("Clique para Pesquisar");

```

```

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(19, 19, 19)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING))
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING))
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(89, 89, 89)
.addComponent(jLabel2))
.addGroup(jPanel1Layout.createSequentialGroup())
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false))
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
0, Short.MAX_VALUE)
.addComponent(jTextFieldNomeEditorLeitor2,
javax.swing.GroupLayout.PREFERRED_SIZE, 381,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jButtonEditorEditorLeitor2)
.addGap(18, 18, 18)
.addComponent(jButtonCancelarEditorLeitor2)
.addGap(20, 20, 20)
.addComponent(jButtonFecharEditorLeitor2,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGap(18, 18, 18)
.addComponent(jButtonPesquisarEditorLeitor2)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(28, 28, 28)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING))
.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel2)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jTextFieldNomeEditorLeitor2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonPesquisarEditorLeitor2))
.addGap(18, 18, 18)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
38, Short.MAX_VALUE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButtonCancelarEditorLeitor2)
.addComponent(jButtonFecharEditorLeitor2)
.addComponent(jButtonEditorEditorLeitor2,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(39, 39, 39)
);

```

```

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(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addContainerGap()

```

```

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(22, Short.MAX_VALUE))
);

pack();
}// </editor-fold>

private void
jButtonFecharEditor2ActionPerformed(java.awt.event.ActionEvent evt)
{
this.dispose(); // TODO add your handling code here:
}

private void
jButtonEditorEditor2ActionPerformed(java.awt.event.ActionEvent evt)
{
// TODO add your handling code here:
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarEditor2;
private javax.swing.JButton jButtonEditorEditor2;
private javax.swing.JButton jButtonFecharEditor2;
private javax.swing.JButton jButtonPesquisarEditor2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JRadioButton jRadioButton1;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaEditor2;
private javax.swing.JTextField jTextFieldNomeEditor2;
// End of variables declaration
}

```


Tela 9. Consulta de livro

Sistema de Biblioteca - Consultar Livro

Consultar Livro

Título da Obra

Informe o título do filme

Clique para pesquisar

Título 1	Título 2	Título 3	Título 4	Título 5

OK

[RF09] - Responsável por realizar consulta de livros cadastrados no banco de dados.

Código

package view;

```
/**
 *
 * @author Jefferson Queiroz
 */
public class ConsultaLivro extends javax.swing.JInternalFrame {

    /**
     * Creates new form ConsultaLivro
     */
    public ConsultaLivro() {
        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")
```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel7 = new javax.swing.JLabel();
    jTextFieldTituloConsultarLivro = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaConsultarLivro = new javax.swing.JTable();
    jButtonOkConsultarLivro = new javax.swing.JButton();
    jButtonPesquisaConsultarLivro = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Consultar Livro");

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
    jLabel10.setText("Consultar Livro");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel7.setText("Título da Obra");

    jTextFieldTituloConsultarLivro.setToolTipText("Informe o título do filme");

    jTableTabelaConsultarLivro.setModel(new
    javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null, null, null},
            {null, null, null, null, null},
            {null, null, null, null, null},
            {null, null, null, null, null},
            {null, null, null, null, null}
        },
        new String [] {
            "Título 1", "Título 2", "Título 3", "Título 4", "Título 5"
        }
    ));
    jTableTabelaConsultarLivro.setAlignmentY(0.6F);
    jScrollPane1.setViewportView(jTableTabelaConsultarLivro);

    jButtonOkConsultarLivro.setFont(new java.awt.Font("Tahoma", 1, 14)); //
    NOI18N
```

```

jButtonOkConsultarLivro.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonOkConsultarLivro.setText("OK");
jButtonOkConsultarLivro.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonOkConsultarLivroActionPerformed(evt);
}
});

```

```

jButtonPesquisaConsultarLivro.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisaConsultarLivro.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonPesquisaConsultarLivroActionPerformed(evt);
}
});

```

```

jLabel1.setText("Clique para pesquisar");

```

```

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
.addGap(81, 81, 81)
.addComponent(jLabel7)
.addGap(18, 18, 18)
.addComponent(jTextFieldTituloConsultarLivro,
javax.swing.GroupLayout.PREFERRED_SIZE, 310,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
30, Short.MAX_VALUE)
.addComponent(jButtonPesquisaConsultarLivro)
.addGap(23, 23, 23))
.addGroup(jPanel1Layout.createSequentialGroup()
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

```

```

.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(446, 446, 446)
.addComponent(jButtonOkConsultarLivro,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jScrollPane1))
.addContainerGap())
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addComponent(jLabel1)
.addContainerGap())
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jTextFieldTituloConsultarLivro,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel7)))
.addComponent(jButtonPesquisaConsultarLivro))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addComponent(jLabel1)
.addGap(18, 18, 18)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
126, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(26, 26, 26)
.addComponent(jButtonOkConsultarLivro)
.addGap(9, 9, 9)
);

```

```

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

```

```

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
.addGroup(layout.createSequentialGroup())
.addGap(188, 188, 188)
.addComponent(jLabel10))
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jPanel1,          javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addContainerGap())
);

pack();
} // </editor-fold>

```

```

private void
jButtonOkConsultarLivroActionPerformed(java.awt.event.ActionEvent evt) {
this.dispose();
}

```

```

private void
jButtonPesquisaConsultarLivroActionPerformed(java.awt.event.ActionEvent
evt) {
// TODO add your handling code here:
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonOkConsultarLivro;
private javax.swing.JButton jButtonPesquisaConsultarLivro;

```

```

private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaConsultarLivro;
private javax.swing.JTextField jTextFieldTituloConsultarLivro;
// End of variables declaration
}

```

Tela 10. Excluir livro



[RF10] - Responsável por realizar a exclusão dos livros cadastrados no banco de dados.

Código

```

package view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ExcluirLivro extends javax.swing.JInternalFrame {

    /**
     * Creates new form ExcluirLivro
     */
    public ExcluirLivro() {

```

```

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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel7 = new javax.swing.JLabel();
    jTextFieldTituloExcluirLivro = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaExcluirLivro = new javax.swing.JTable();
    jButtonExcluirLivro = new javax.swing.JButton();
    jButtonPesquisaExcluirLivro = new javax.swing.JButton();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Excluir Livro");

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
    jLabel10.setText("Excluir Livro");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel7.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel7.setText("Título da Obra");

    jTextFieldTituloExcluirLivro.setToolTipText("Informe o título do filme");

    jTableTabelaExcluirLivro.setModel(new
    javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null, null, null},
            {null, null, null, null, null},
            {null, null, null, null, null},
            {null, null, null, null, null},
            {null, null, null, null, null}
        },
        new String [] {

```

```
"Título 1", "Título 2", "Título 3", "Título 4", "Título 5"
}
));
jTableTabelaExcluirLivro.setAlignmentY(0.6F);
jScrollPane1.setViewportViewView(jTableTabelaExcluirLivro);

jButtonExcluirLivro.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButtonExcluirLivro.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/trash-
can_115312.png"))); // NOI18N
jButtonExcluirLivro.setText("Excluir");
jButtonExcluirLivro.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonExcluirLivroActionPerformed(evt);
}
});

jButtonPesquisaExcluirLivro.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisaExcluirLivro.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonPesquisaExcluirLivroActionPerformed(evt);
}
});

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(0, 0, Short.MAX_VALUE)
.addComponent(jButtonExcluirLivro,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup()
.addComponent(jButtonPesquisarLivro,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap())
.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 600, true)
);
```



```

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup())
.addGap(81, 81, 81)
.addComponent(jLabel7)
.addGap(18, 18, 18)
.addComponent(jTextFieldTituloExcluirLivro,
javax.swing.GroupLayout.PREFERRED_SIZE,          310,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
30, Short.MAX_VALUE)
.addComponent(jButtonPesquisaExcluirLivro)))
.addGap(23, 23, 23))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
.addComponent(jTextFieldTituloExcluirLivro,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel7)))
.addComponent(jButtonPesquisaExcluirLivro))
.addGap(9, 9, 9)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
126, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
18, Short.MAX_VALUE)
.addComponent(jButtonExcluirLivro)
.addContainerGap())
);

```

```

javax.swing.GroupLayout          layout          =          new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())

```

```

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap())
.addGroup(layout.createSequentialGroup())
.addGap(206, 206, 206)
.addComponent(jLabel10)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGap(18, 18, 18)
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(23, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

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

}

```

```

private void jButtonPesquisaExcluirLivroActionPerformed(java.awt.event.ActionEvent
evt) {
// TODO add your handling code here:
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonExcluirLivro;
private javax.swing.JButton jButtonPesquisaExcluirLivro;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel7;

```

```

private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaExcluirLivro;
private javax.swing.JTextField jTextFieldTituloExcluirLivro;
// End of variables declaration
}

```

Tela 11. Inclusão de autor



[RF11] - Responsável pelo cadastro dos autores no banco de dados, no qual serão selecionados quando houver uma inclusão de livro.

Código

```

/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class CadastroAutor extends javax.swing.JInternalFrame {

    /* Creates new form CadastroAutor /

```

```

public CadastroAutor() {
    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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeCadastroAutor = new javax.swing.JTextField();
    jButtonOkCadastroAutor = new javax.swing.JButton();
    jButtonCancelarCadastroAutor = new javax.swing.JButton();
    jButtonFecharCadastroAutor = new javax.swing.JButton();

    setClosable(true);
    setIconifiable(true);
    setResizable(true);
    setTitle("Sistema Biblioteca -Cadastro do Autor");

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
    jLabel10.setText("Cadastro do Autor");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel1.setText("Nome do Autor");

    jTextFieldNomeCadastroAutor.setToolTipText("Insira o nome do autor");

    jButtonOkCadastroAutor.setFont(new java.awt.Font("Tahoma", 1, 14)); //
    NOI18N
    jButtonOkCadastroAutor.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
    NOI18N
    jButtonOkCadastroAutor.setText("OK");

    jButtonCancelarCadastroAutor.setFont(new java.awt.Font("Tahoma", 1,
    14)); // NOI18N

```

```

jButtonCancelarCadastroAutor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarCadastroAutor.setText("Cancelar");

jButtonFecharCadastroAutor.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N
jButtonFecharCadastroAutor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharCadastroAutor.setText("Fechar");
jButtonFecharCadastroAutor.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonFecharCadastroAutorActionPerformed(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()
.addGap(110, 110, 110)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
.addComponent(jButtonOkCadastroAutor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonCancelarCadastroAutor)
.addGap(18, 18, 18)
.addComponent(jButtonFecharCadastroAutor,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(77, 77, 77)

```

```

.addComponent(jLabel1)
.addComponent(jTextFieldNomeCadaastroAutor,
javax.swing.GroupLayout.PREFERRED_SIZE,          282,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(56, 56, 56))
.addContainerGap(134, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(47, 47, 47)
.addComponent(jLabel1)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jTextFieldNomeCadaastroAutor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(55, 55, 55)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButtonOkCadaastroAutor,
javax.swing.GroupLayout.PREFERRED_SIZE,          41,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonCancelarCadaastroAutor)
.addComponent(jButtonFecharCadaastroAutor))
.addContainerGap(123, Short.MAX_VALUE))
);

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(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
.addComponent(jLabel10)
.addGap(207, 207, 207))

```

```

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap()))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addComponent(jLabel10)
.addGap(32, 32, 32)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(20, 20, 20))
);

```

```

pack();
} // </editor-fold>

```

```

private void
jButtonFecharCadastroAutorActionPerformed(java.awt.event.ActionEvent
evt) {
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarCadastroAutor;
private javax.swing.JButton jButtonFecharCadastroAutor;
private javax.swing.JButton jButtonOkCadastroAutor;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextFieldNomeCadastroAutor;
// End of variables declaration

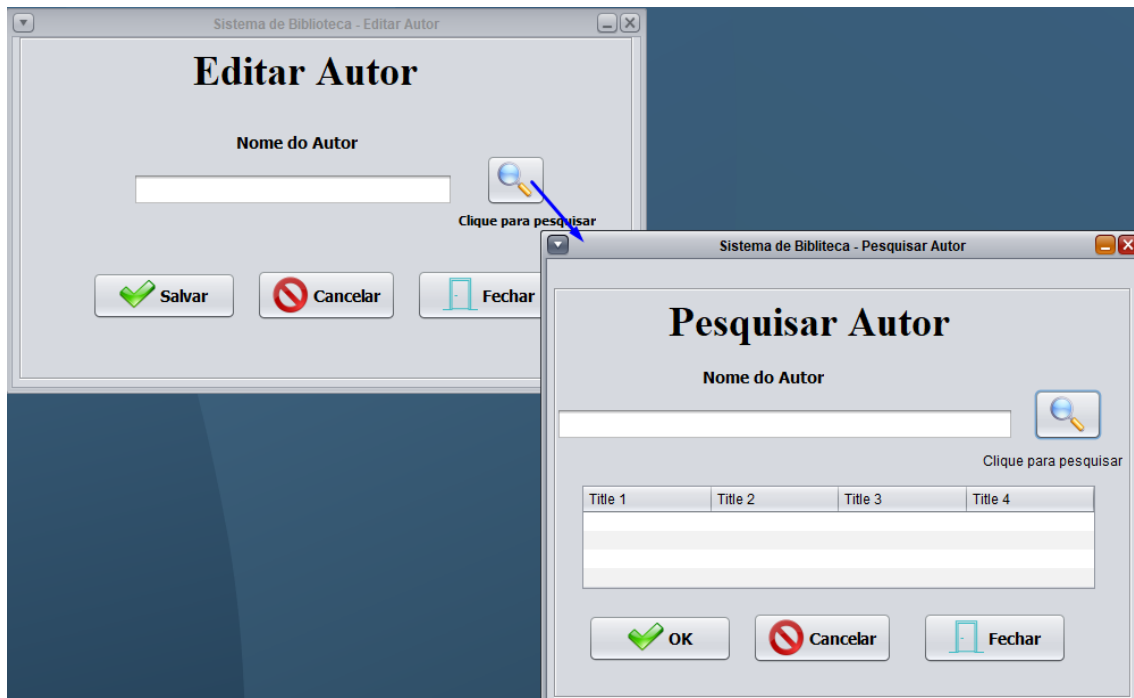
```

```

}

```

Tela 12. Alteração de autor



[RF12] – Responsável pela alteração dos dados dos autores cadastrados que serão utilizados quando houver uma inclusão de livro.

Para realizar a alteração, é necessário, antes, realizar a pesquisa do autor. Ao clicar na lupa, o usuário é direcionado para outra tela de pesquisa. Após selecionar o autor e clicar em OK, volta para a tela anterior com os dados inseridos para realizar a alteração.

Código

1. Tela Principal

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class EditarEditora extends javax.swing.JInternalFrame {

/**
```



```

* Creates new form EditarEditora
*/
public EditarEditora() {
    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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeEditoraEditora = new javax.swing.JTextField();
    jButtonFecharEditoraEditora = new javax.swing.JButton();
    jButtonSalvarEditoraEditora = new javax.swing.JButton();
    jButtonCancelarEditoraEditora = new javax.swing.JButton();
    jButtonPesquisarEditoraEditora = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    jLabel10 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Editar Editora");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel1.setText("Nome da Editora");

    jTextFieldNomeEditoraEditora.setToolTipText("Insira o nome da Editora");

    jButtonFecharEditoraEditora.setFont(new java.awt.Font("Tahoma", 1, 14)); //
    NOI18N
    jButtonFecharEditoraEditora.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
    // NOI18N
    jButtonFecharEditoraEditora.setText("Fechar");
    jButtonFecharEditoraEditora.addActionListener(new
    java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

jButtonFecharEditarEditoraActionPerformed(evt);
}
});

jButtonSalvarEditarEditora.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonSalvarEditarEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonSalvarEditarEditora.setText("Salvar");
jButtonSalvarEditarEditora.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonSalvarEditarEditoraActionPerformed(evt);
}
});

jButtonCancelarEditarEditora.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N
jButtonCancelarEditarEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarEditarEditora.setText("Cancelar");

jButtonPesquisarEditarEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisarEditarEditora.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonPesquisarEditarEditoraActionPerformed(evt);
}
});

jLabel2.setText("Clique para pesquisar");

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
.addGap(79, 79, 79)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING, false)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(149, 149, 149)
.addComponent(jLabel1))
.addComponent(jTextFieldNomeEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,          417,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jButtonSalvarEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,          127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonCancelarEditoraEditora)
.addGap(18, 18, 18)
.addComponent(jButtonFecharEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,          127,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
6, Short.MAX_VALUE)
.addComponent(jLabel2)
.addContainerGap())
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(18, 18, 18)
.addComponent(jButtonPesquisarEditoraEditora)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.TRAILING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel1)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jTextFieldNomeEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jButtonPesquisarEditora))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jLabel2)
.addGap(24, 24, 24)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
.addComponent(jButtonSalvarEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonCancelarEditora))
.addComponent(jButtonFecharEditora))
.addContainerGap(70, Short.MAX_VALUE))
);

```

41,

```

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Editora Editora");

```

```

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(22, Short.MAX_VALUE)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
.addComponent(jLabel10)
.addGap(197, 197, 197))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18))))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addContainerGap()
.addComponent(jLabel10)

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(18, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

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

}

```

```

private void
jButtonFecharEditarEditoraActionPerformed(java.awt.event.ActionEvent evt)
{
this.dispose();
}

```

```

private void
jButtonPesquisarEditarEditoraActionPerformed(java.awt.event.ActionEvent
evt) {
EditorEditora2 editorEditora = new EditorEditora2();
TelaPrincipal.desktopPane.add(editorEditora);
editorEditora.setVisible(true);
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarEditarEditora;
private javax.swing.JButton jButtonFecharEditarEditora;
private javax.swing.JButton jButtonPesquisarEditarEditora;
private javax.swing.JButton jButtonSalvarEditarEditora;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextFieldNomeEditarEditora;
// End of variables declaration
}

```

2. Tela de Pesquisa

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class EditarEditora2 extends javax.swing.JInternalFrame {

    /**
     * Creates new form EditarEditora2
     */
    public EditarEditora2() {
        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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jTextFieldNomeEditora2 = new javax.swing.JTextField();
        jButtonOkEditora2 = new javax.swing.JButton();
        jButtonVoltarEditora2 = new javax.swing.JButton();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTableTabelaEditora2 = new javax.swing.JTable();
        jButton1 = new javax.swing.JButton();
        jLabel10 = new javax.swing.JLabel();

        setClosable(true);
        setIconifiable(true);
        setTitle("Sistema de Biblioteca - Editar Editora");
    }
}
```

```

jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel1.setText("Nome da Editora");

jTextFieldNomeEditora2.setToolTipText("Insira o nome da Editora");

jButtonOkEditora2.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonOkEditora2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonOkEditora2.setText("OK");
jButtonOkEditora2.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonOkEditora2ActionPerformed(evt);
    }
});

jButtonVoltarEditora2.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonVoltarEditora2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/back-
arrow_icon-icons.com_72866.png"))); // NOI18N
jButtonVoltarEditora2.setText("Voltar");
jButtonVoltarEditora2.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonVoltarEditora2ActionPerformed(evt);
    }
});

jTableTabelaEditora2.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(jTableTabelaEditarEditora2);

jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
.addGroup(jPanel1Layout.createSequentialGroup()
.addContainerGap()
.addComponent(jTextFieldNomeEditarEditora2,
javax.swing.GroupLayout.PREFERRED_SIZE, 396,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jButton1))
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(86, 86, 86)
.addComponent(jButtonOkEditarEditora2,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(54, 54, 54)
.addComponent(jButtonVoltarEditarEditora2))
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(166, 166, 166)
.addComponent(jLabel1))
.addGroup(jPanel1Layout.createSequentialGroup()
.addContainerGap()
.addComponent(jScrollPane1)))
.addContainerGap(21, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(20, 20, 20)
.addComponent(jLabel1)
.addGap(30, 30, 30)

```



```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.TRAILING)
.addComponent(jTextFieldNomeEditora2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButton1))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
102, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
.addComponent(jButtonOkEditora2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonVoltarEditora2))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

```

```

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Editora Editora");

```

```

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
.addGroup(layout.createSequentialGroup()
.addGap(147, 147, 147)
.addComponent(jLabel10))
.addGroup(layout.createSequentialGroup()
.addGap(20, 20, 20)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(20, Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
.addGap(14, 14, 14)
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(41, Short.MAX_VALUE))
);

```

```

pack();
} // </editor-fold>

```

```

private void
jButtonOkEditarEditora2ActionPerformed(java.awt.event.ActionEvent evt) {

}

```

```

private void
jButtonVoltarEditarEditora2ActionPerformed(java.awt.event.ActionEvent
evt) {
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButtonOkEditarEditora2;
private javax.swing.JButton jButtonVoltarEditarEditora2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaEditarEditora2;
private javax.swing.JTextField jTextFieldNomeEditarEditora2;
// End of variables declaration
}

```

Tela 13. Consultar autor

Sistema de Biblioteca - Consulta Autor

Consulta Autor

Nome do Autor

Insira o nome do autor

Clique para pesquisar

Title 1	Title 2	Title 3	Title 4

OK

[RF13] - Responsável por realizar consulta de autores cadastrados no banco de dados.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ConsultaAutor extends javax.swing.JInternalFrame {

    /**
     * Creates new form ConsultaAutor
     */
    public ConsultaAutor() {
        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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeConsultaAutor = new javax.swing.JTextField();
    jButtonOkConsultaAutor = new javax.swing.JButton();
    jLabel10 = new javax.swing.JLabel();
    jButtonPesquisarConsultaAutor = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaConsultaAutor = new javax.swing.JTable();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Consulta Autor");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel1.setText("Nome do Autor");

    jTextFieldNomeConsultaAutor.setToolTipText("Insira o nome do autor");

    jButtonOkConsultaAutor.setFont(new java.awt.Font("Tahoma", 1, 14)); //
    NOI18N
    jButtonOkConsultaAutor.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
    NOI18N
    jButtonOkConsultaAutor.setText("OK");
    jButtonOkConsultaAutor.addActionListener(new
    java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButtonOkConsultaAutorActionPerformed(evt);
        }
    });

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
    jLabel10.setText("Consultar Autor");

```

```
jButtonPesquisarConsultaAutor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisarConsultaAutor.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonPesquisarConsultaAutorActionPerformed(evt);
}
});
```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jLabel2)
.addComponent(jButtonPesquisarConsultaAutor))
.addContainerGap(20, Short.MAX_VALUE))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
417, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonOkConsultaAutor,
javax.swing.GroupLayout.PREFERRED_SIZE,          127,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(39, 39, 39))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
.addComponent(jLabel10)
.addGap(129, 129, 129))))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jLabel10)
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel1)
.addGap(14, 14, 14)
.addComponent(jTextFieldNomeConsultaAutor,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jButtonPesquisarConsultaAutor))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
D)

```

```

.addComponent(jLabel2)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
98, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonOkConsultaAutor,
javax.swing.GroupLayout.PREFERRED_SIZE,          41,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

```

```

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGap(31, 31, 31)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(22, Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(36, 36, 36))
);

```

```

pack();
} // </editor-fold>

```

```

private void
jButtonPesquisarConsultaAutorActionPerformed(java.awt.event.ActionEvent
evt) {
/* ConsultaAutor2 consultarAutor2 = new ConsultaAutor2();
TelaPrincipal.desktopPane.add(consultarAutor2);

```

```

consultarAutor2.setVisible(true);*/
}

private void jButtonOkConsultaAutorActionPerformed(java.awt.event.ActionEvent evt) {
this.dispose();
}

// Variables declaration - do not modify
private javax.swing.JButton jButtonOkConsultaAutor;
private javax.swing.JButton jButtonPesquisarConsultaAutor;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaConsultaAutor;
private javax.swing.JTextField jTextFieldNomeConsultaAutor;
// End of variables declaration
}

```

Tela 14. Excluir autor

Sistema de Biblioteca - Excluir Autor

Excluir Autor

Nome do Autor

Clique para pesquisar

Title 1	Title 2	Title 3	Title 4

Excluir

Cancelar

Fechar

[RF14] - Responsável por realizar a exclusão dos autores cadastrados no banco de dados.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ExcluirAutor extends javax.swing.JInternalFrame {

    /**
     * Creates new form ExcluirAutor
     */
    public ExcluirAutor() {
        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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jTextFieldNomeEditorAutor2 = new javax.swing.JTextField();
        jButtonExcluirAutor = new javax.swing.JButton();
        jButtonCancelarExcluirAutor = new javax.swing.JButton();
        jButtonFecharExcluirAutor = new javax.swing.JButton();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTableTabelaExcluirAutor = new javax.swing.JTable();
        jButtonPesquisarExcluirAutor = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();

        setClosable(true);
        setIconifiable(true);
    }
}
```

```

setTitle("Sistema de Biblioteca - Excluir Autor");

jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel1.setText("Nome do Autor");

jTextFieldNomeEditarAutor2.setToolTipText("Insira o nome do autor");

jButtonExcluirAutor.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonExcluirAutor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/trash-
can_115312.png"))); // NOI18N
jButtonExcluirAutor.setText("Excluir");

jButtonCancelarExcluirAutor.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N
jButtonCancelarExcluirAutor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarExcluirAutor.setText("Cancelar");

jButtonFecharExcluirAutor.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonFecharExcluirAutor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharExcluirAutor.setText("Fechar");
jButtonFecharExcluirAutor.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonFecharExcluirAutorActionPerformed(evt);
}
});

jTableTabelaExcluirAutor.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(jTableTabelaExcluirAutor);

jButtonPesquisarExcluirAutor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N

jLabel2.setText("Clique para pesquisar");

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(18, 18, 18)
                .addComponent(jLabel2))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(18, 18, 18)
                .addComponent(jButtonPesquisarExcluirAutor)))
        .addContainerGap(127, true))
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jTextFieldNomeEditorAutor2,
            javax.swing.GroupLayout.PREFERRED_SIZE, 410,
            javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addComponent(jButtonExcluirAutor,
                javax.swing.GroupLayout.PREFERRED_SIZE, 127,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addComponent(jButtonExcluirAutor)))
    .addContainerGap(127, true))

```

```

.addGap(18, 18, 18)
.addComponent(jButtonCancelarExcluirAutor)
.addGap(27, 27, 27)
.addComponent(jButtonFecharExcluirAutor,
javax.swing.GroupLayout.PREFERRED_SIZE,          127,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGap(0, 1, Short.MAX_VALUE)))
.addContainerGap()
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel1)
.addGap(18, 18, 18)
.addComponent(jTextFieldNomeEditorAutor2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jButtonPesquisarExcluirAutor))
.addGap(18, 18, 18)
.addComponent(jLabel2)
.addGap(18, 18, 18)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
93, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButtonExcluirAutor,
javax.swing.GroupLayout.PREFERRED_SIZE,          41,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonCancelarExcluirAutor)
.addComponent(jButtonFecharExcluirAutor))
.addContainerGap(12, Short.MAX_VALUE))
);

```

```
jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Excluir Autor");
```

```
javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGroup(layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createSequentialGroup()
                            .addGap(159, 159, 159)
                            .addComponent(jLabel10)))
                        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                    .addGap(18, 18, 18)
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addContainerGap(21, Short.MAX_VALUE))
                .addGap(18, 18, 18)
                .addComponent(jLabel10)
            )
        )
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel10)
                .addGap(18, 18, 18)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(21, Short.MAX_VALUE))
            .addGap(18, 18, 18)
            .addComponent(jLabel10)
        )
    );
pack();
} // </editor-fold>
```

```
private void
jButtonFecharExcluirAutorActionPerformed(java.awt.event.ActionEvent evt)
{
    this.dispose();
}
```

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

```

private javax.swing.JButton jButtonCancelarExcluirAutor;
private javax.swing.JButton jButtonExcluirAutor;
private javax.swing.JButton jButtonFecharExcluirAutor;
private javax.swing.JButton jButtonPesquisarExcluirAutor;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaExcluirAutor;
private javax.swing.JTextField jTextFieldNomeEditarAutor2;
// End of variables declaration
}

```

Tela 15. Cadastrar editora



[RF15] - Responsável pelo cadastro da editora no banco de dados, no qual serão selecionados quando houver uma inclusão de livro.

Código

```

/*
 * 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 view;

/**
 *
 */

```

```

* @author Jefferson Queiroz
*/
public class CadastroEditora extends javax.swing.JInternalFrame {

/**
 * Creates new form CadastroEditora
 */
public CadastroEditora() {
    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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeCadastroEditora = new javax.swing.JTextField();
    jButtonFecharCadastroEditora = new javax.swing.JButton();
    jButtonSalvarCadastroEditora = new javax.swing.JButton();
    jButtonCancelarCadastroEditora = new javax.swing.JButton();
    jLabel10 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema Biblioteca - Cadastro de Editora");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel1.setText("Nome da Editora");

    jTextFieldNomeCadastroEditora.setToolTipText("Insira o nome da Editora");

    jButtonFecharCadastroEditora.setFont(new java.awt.Font("Tahoma", 1,
    14)); // NOI18N
    jButtonFecharCadastroEditora.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
    // NOI18N
    jButtonFecharCadastroEditora.setText("Fechar");

```

```

jButtonFecharCadastroEditora.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonFecharCadastroEditoraActionPerformed(evt);
}
});

jButtonSalvarCadastroEditora.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N
jButtonSalvarCadastroEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonSalvarCadastroEditora.setText("Salvar");
jButtonSalvarCadastroEditora.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonSalvarCadastroEditoraActionPerformed(evt);
}
});

jButtonCancelarCadastroEditora.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonCancelarCadastroEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarCadastroEditora.setText("Cancelar");

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(79, 79, 79)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(149, 149, 149)
.addComponent(jLabel1))
.addComponent(jTextFieldNomeCadastroEditora,
javax.swing.GroupLayout.PREFERRED_SIZE, 417,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createSequentialGroup()

```



```

.addComponent(jButtonSalvarCadastroEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonCancelarCadastroEditora)
.addGap(18, 18, 18)
.addComponent(jButtonFecharCadastroEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(42, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jLabel1)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jTextFieldNomeCadastroEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(31, 31, 31)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButtonSalvarCadastroEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonCancelarCadastroEditora)
.addComponent(jButtonFecharCadastroEditora))
.addContainerGap(70, Short.MAX_VALUE))
);

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Cadastro de Editora");

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(layout.createSequentialGroup())
.addGap(121, 121, 121)
.addComponent(jLabel10)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jLabel10)
.addGap(18, 18, 18)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

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

}

```

```

private void
jButtonFecharCadastroEditoraActionPerformed(java.awt.event.ActionEvent
evt) {
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarCadastroEditora;
private javax.swing.JButton jButtonFecharCadastroEditora;
private javax.swing.JButton jButtonSalvarCadastroEditora;

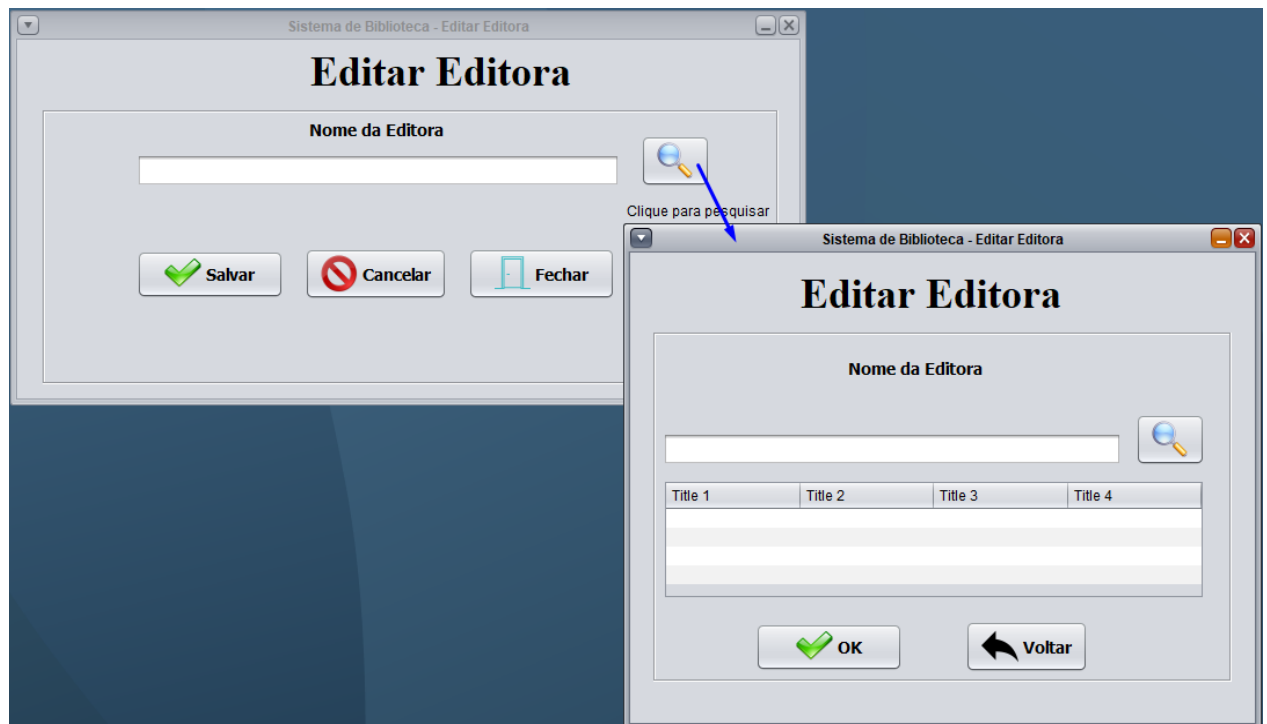
```

```

private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextFieldNomeCadastroEditora;
// End of variables declaration
}

```

Tela 16. Edição de editora



[RF16] – Responsável pela alteração dos dados das editoras cadastradas que serão utilizadas quando houver uma inclusão de livro.

Para realizar a alteração, é necessário, antes, realizar a pesquisa da editora. Ao clicar na lupa, o usuário é direcionado para outra tela de pesquisa. Após selecionar a editora e clicar em OK, volta para a tela anterior com os dados inseridos para realizar a alteração.

Código

1. Tela Principal

```

/*
 * 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 view;

```

```

/**
 *
 * @author Jefferson Queiroz
 */
public class EditarEditora extends javax.swing.JInternalFrame {

    /**
     * Creates new form EditarEditora
     */
    public EditarEditora() {
        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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jTextFieldNomeEditoraEditora = new javax.swing.JTextField();
        jButtonFecharEditoraEditora = new javax.swing.JButton();
        jButtonSalvarEditoraEditora = new javax.swing.JButton();
        jButtonCancelarEditoraEditora = new javax.swing.JButton();
        jButtonPesquisarEditoraEditora = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();

        setClosable(true);
        setIconifiable(true);
        setTitle("Sistema de Biblioteca - Editar Editora");

        jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel1.setText("Nome da Editora");

        jTextFieldNomeEditoraEditora.setToolTipText("Insira o nome da Editora");

```

```

jButtonFecharEditarEditora.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonFecharEditarEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharEditarEditora.setText("Fechar");
jButtonFecharEditarEditora.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonFecharEditarEditoraActionPerformed(evt);
}
});

```

```

jButtonSalvarEditarEditora.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonSalvarEditarEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonSalvarEditarEditora.setText("Salvar");
jButtonSalvarEditarEditora.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonSalvarEditarEditoraActionPerformed(evt);
}
});

```

```

jButtonCancelarEditarEditora.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N
jButtonCancelarEditarEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarEditarEditora.setText("Cancelar");

```

```

jButtonPesquisarEditarEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisarEditarEditora.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonPesquisarEditarEditoraActionPerformed(evt);
}
});

```

```

jLabel2.setText("Clique para pesquisar");

```

```

javax.swing.GroupLayout      jPanel1Layout      =      new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
.addGap(79, 79, 79)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING, false)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(149, 149, 149)
.addComponent(jLabel1))
.addComponent(jTextFieldNomeEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jButtonSalvarEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonCancelarEditoraEditora)
.addGap(18, 18, 18)
.addComponent(jButtonFecharEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
6, Short.MAX_VALUE)
.addComponent(jLabel2)
.addContainerGap())
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(18, 18, 18)
.addComponent(jButtonPesquisarEditoraEditora)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jLabel1)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jTextFieldNomeEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jButtonPesquisarEditoraEditora))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jLabel2)
.addGap(24, 24, 24)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButtonSalvarEditoraEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonCancelarEditoraEditora)
.addComponent(jButtonFecharEditoraEditora))
.addContainerGap(70, Short.MAX_VALUE))
);

```

41,

```

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Editora Editora");

```

```

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(22, Short.MAX_VALUE)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
.addComponent(jLabel10)
.addGap(197, 197, 197))
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

```

```

.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(18, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

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

}

```

```

private void
jButtonFecharEditarEditoraActionPerformed(java.awt.event.ActionEvent evt)
{
this.dispose();
}

```

```

private void
jButtonPesquisarEditarEditoraActionPerformed(java.awt.event.ActionEvent
evt) {
EditorEditora2 editorEditora = new EditorEditora2();
TelaPrincipal.desktopPane.add(editorEditora);
editorEditora.setVisible(true);
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarEditarEditora;
private javax.swing.JButton jButtonFecharEditarEditora;

```



```

private javax.swing.JButton jButtonPesquisarEditarEditora;
private javax.swing.JButton jButtonSalvarEditarEditora;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextFieldNomeEditarEditora;
// End of variables declaration
}

```

2. Tela de Pesquisa

```

/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class EditarEditora2 extends javax.swing.JInternalFrame {

    /**
     * Creates new form EditarEditora2
     */
    public EditarEditora2() {
        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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jTextFieldNomeEditarEditora2 = new javax.swing.JTextField();
        jButtonOkEditarEditora2 = new javax.swing.JButton();
    }

```

```

jButtonVoltarEditarEditora2 = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
jTableTabelaEditarEditora2 = new javax.swing.JTable();
jButton1 = new javax.swing.JButton();
jLabel10 = new javax.swing.JLabel();

setClosable(true);
setIconifiable(true);
setTitle("Sistema de Biblioteca - Editar Editora");

jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel1.setText("Nome da Editora");

jTextFieldNomeEditarEditora2.setToolTipText("Insira o nome da Editora");

jButtonOkEditarEditora2.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonOkEditarEditora2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonOkEditarEditora2.setText("OK");
jButtonOkEditarEditora2.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonOkEditarEditora2ActionPerformed(evt);
}
});

jButtonVoltarEditarEditora2.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonVoltarEditarEditora2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/back-
arrow_icon-icons.com_72866.png"))); // NOI18N
jButtonVoltarEditarEditora2.setText("Voltar");
jButtonVoltarEditarEditora2.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonVoltarEditarEditora2ActionPerformed(evt);
}
});

jTableTabelaEditarEditora2.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.setViewportViewView(jTableTabelaEditorEditora2);

jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
.addGroup(jPanel1Layout.createSequentialGroup()
.addComponent(jTextFieldNomeEditorEditora2,
javax.swing.GroupLayout.PREFERRED_SIZE, 396,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jButton1))
.addGroup(jPanel1Layout.createSequentialGroup()
.addComponent(jButtonOkEditorEditora2,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(54, 54, 54)
.addComponent(jButtonVoltarEditorEditora2))
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(166, 166, 166)
.addComponent(jLabel1))
.addGroup(jPanel1Layout.createSequentialGroup()
.addComponent(jTextFieldEnderecoEditorEditora2,
```

```

.addComponent(jScrollPane1)))
.addContainerGap(21, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(20, 20, 20)
.addComponent(jLabel1)
.addGap(30, 30, 30)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jTextFieldNomeEditora2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButton1))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
102, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButtonOkEditora2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonVoltarEditora2))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

```

41,

```

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Editora Editora");

```

```

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGap(147, 147, 147)

```

```

.addComponent(jLabel10))
.addGroup(layout.createSequentialGroup()
.addGap(20, 20, 20)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(20, Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
.addGap(14, 14, 14)
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(41, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

private void
jButtonOkEditarEditora2ActionPerformed(java.awt.event.ActionEvent evt) {

}

```

```

private void
jButtonVoltarEditarEditora2ActionPerformed(java.awt.event.ActionEvent
evt) {
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButtonOkEditarEditora2;
private javax.swing.JButton jButtonVoltarEditarEditora2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;

```

```
private javax.swing.JTable jTableTabelaEditarEditora2;
private javax.swing.JTextField jTextFieldNomeEditarEditora2;
// End of variables declaration
}
```

Tela 17. Consultar editora

[RF17] - Responsável por realizar consulta de autor cadastrado no banco de dados.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ConsultaEditora extends javax.swing.JInternalFrame {

    /**
     * Creates new form PesquisaEditora
     */
    public ConsultaEditora() {
```

```

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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jTextFieldNomeConsultaEditora = new javax.swing.JTextField();
    jLabel1 = new javax.swing.JLabel();
    jButtonPesquisaConsultaEditora = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaConsultaEditora = new javax.swing.JTable();
    jButtonOkConsultaEditora = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    jLabel10 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Consultar Editora");

    jTextFieldNomeConsultaEditora.setToolTipText("Insira o nome da Editora");

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel1.setText("Nome da Editora");

    jButtonPesquisaConsultaEditora.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
    NOI18N

    jTableTabelaConsultaEditora.setModel(new
    javax.swing.table.DefaultTableModel(
    new Object [][] {
    {null},
    {null}
    },
    new String [] {
    "Título 1"
    }
    ));

```

```

jTableTabelaConsultaEditora.setToolTipText("");
jScrollPane1.setViewportViewView(jTableTabelaConsultaEditora);

jButtonOkConsultaEditora.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonOkConsultaEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonOkConsultaEditora.setText("OK");
jButtonOkConsultaEditora.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonOkConsultaEditoraActionPerformed(evt);
}
});

jLabel2.setText("Clique para pesquisar");

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(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
.addComponent(jLabel1)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jTextFieldNomeConsultaEditora)
.addGap(18, 18, 18)
.addComponent(jButtonPesquisaConsultaEditora,
javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(26, 26, 26))
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(305, 436, Short.MAX_VALUE)
.addComponent(jLabel2)
.addContainerGap()
.addGroup(jPanel1Layout.createSequentialGroup()

```



```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jButtonOkConsultaEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,                127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
521, javax.swing.GroupLayout.PREFERRED_SIZE))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jTextFieldNomeConsultaEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel1))
.addComponent(jButtonPesquisaConsultaEditora,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE,                41,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jLabel2)
.addGap(10, 10, 10)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
78, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(28, 28, 28)
.addComponent(jButtonOkConsultaEditora)
.addGap(20, 20, 20))
);

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Consultar Editora");

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

```

```

getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
.addContainerGap()
.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addContainerGap())
.addGroup(layout.createSequentialGroup())
.addGap(140, 140, 140)
.addComponent(jLabel10)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGap(16, 16, 16)
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(15, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

private void
jButtonOkConsultaEditoraActionPerformed(java.awt.event.ActionEvent evt)
{
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonOkConsultaEditora;
private javax.swing.JButton jButtonPesquisaConsultaEditora;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;

```

```
private javax.swing.JTable jTableTabelaConsultaEditora;
private javax.swing.JTextField jTextFieldNomeConsultaEditora;
// End of variables declaration
}
```

Tela 18. Excluir editora

[RF18] - Responsável por realizar a exclusão da editora que está cadastrada no banco de dados.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ExcluirEditora extends javax.swing.JInternalFrame {

    /* Creates new form ExcluirEditora /
    public ExcluirEditora() {
        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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jTextFieldNomeExcluirEditora = new javax.swing.JTextField();
    jLabel1 = new javax.swing.JLabel();
    jButtonPesquisaExcluirEditora = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaExcluirEditora = new javax.swing.JTable();
    jButtonExcluirEditora = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Excluir Editora");

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
    jLabel10.setText("Excluir Editora");

    jTextFieldNomeExcluirEditora.setToolTipText("Insira o nome da Editora");

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel1.setText("Nome da Editora");

    jButtonPesquisaExcluirEditora.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
    NOI18N

    jTableTabelaExcluirEditora.setModel(new
    javax.swing.table.DefaultTableModel(
    new Object [][] {
    {null},
    {null}
    },
    new String [] {
    "Título 1"
    }
    )

```

```

));
jTableTabelaExcluirEditora.setToolTipText("");
jScrollPane1.setViewportViewView(jTableTabelaExcluirEditora);

jButtonExcluirEditora.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonExcluirEditora.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/trash-
can_115312.png"))); // NOI18N
jButtonExcluirEditora.setText("Excluir");
jButtonExcluirEditora.addActionListener(new java.awt.event.ActionListener()
{
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButtonExcluirEditoraActionPerformed(evt);
    }
});

jLabel2.setText("Clique para pesquisar");

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jTextFieldNomeExcluirEditora)
            .addGap(18, 18, 18)
            .addComponent(jButtonPesquisaExcluirEditora,
                javax.swing.GroupLayout.PREFERRED_SIZE, 49,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(26, 26, 26)
            .addComponent(jLabel2)
            .addContainerGap())
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel1)
            .addGap(18, 18, 18)
            .addComponent(jLabel2)
            .addContainerGap())
);

```

```

.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jButtonExcluirEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,          127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
521, javax.swing.GroupLayout.PREFERRED_SIZE))
.addContainerGap(54, Short.MAX_VALUE)))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jTextFieldNomeExcluirEditora,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel1))
.addComponent(jButtonPesquisaExcluirEditora,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE,          41,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jLabel2)
.addGap(10, 10, 10)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
78, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(28, 28, 28)
.addComponent(jButtonExcluirEditora)
.addGap(20, 20, 20))
);

```

```

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(jPanel1,          javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addContainerGap()
.addGroup(layout.createSequentialGroup())
.addGap(180, 180, 180)
.addComponent(jLabel10)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(22, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

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

}

```

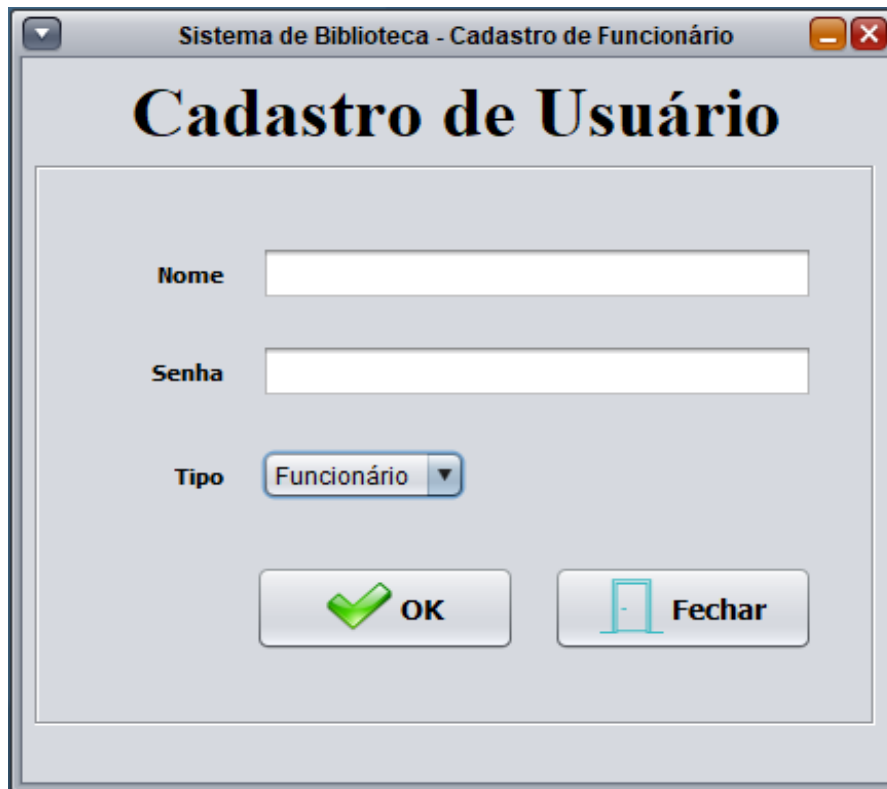
```

// Variables declaration - do not modify
private javax.swing.JButton jButtonExcluirEditora;
private javax.swing.JButton jButtonPesquisaExcluirEditora;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaExcluirEditora;
private javax.swing.JTextField jTextFieldNomeExcluirEditora;
// End of variables declaration

}

```

Tela 19. Cadastro de usuário



[RF19] - Responsável por realizar o cadastro de usuários que poderão ter acesso ao sistema. Estes podem ser do tipo Adm ou funcionário.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class CadastroUsuario extends javax.swing.JInternalFrame {

    /**
     * Creates new form CadastroFuncionario
     */
    public CadastroUsuario() {
        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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jButtonFecharCadastroFuncionario = new javax.swing.JButton();
    jButtonOkCadastroFuncionario = new javax.swing.JButton();
    jTextFieldCadastroFuncionarioNome = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jPasswordFieldSenhaCadastroFuncionario = new
    javax.swing.JPasswordField();
    jLabel3 = new javax.swing.JLabel();
    jComboBoxTipoCadastroFuncionario = new javax.swing.JComboBox<>();
    jLabel10 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Cadastro de Funcionário");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jButtonFecharCadastroFuncionario.setFont(new java.awt.Font("Tahoma", 1,
    14)); // NOI18N
    jButtonFecharCadastroFuncionario.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
    // NOI18N
    jButtonFecharCadastroFuncionario.setText("Fechar");
    jButtonFecharCadastroFuncionario.addActionListener(new
    java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButtonFecharCadastroFuncionarioActionPerformed(evt);
        }
    });

    jButtonOkCadastroFuncionario.setFont(new java.awt.Font("Tahoma", 1,
    14)); // NOI18N

```

```

jButtonOkCadastroFuncionario.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png")));    //
NOI18N
jButtonOkCadastroFuncionario.setText("OK");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Senha");

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel1.setText("Nome");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel3.setText("Tipo");

jComboBoxTipoCadastroFuncionario.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "Adm", "Funcionário"
}));

javax.swing.GroupLayout      jPanel1Layout      =      new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
.addGroup(jPanel1Layout.createSequentialGroup()
.addContainerGap(105, Short.MAX_VALUE)
.addComponent(jButtonOkCadastroFuncionario,
javax.swing.GroupLayout.PREFERRED_SIZE,      127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonFecharCadastroFuncionario,
javax.swing.GroupLayout.PREFERRED_SIZE,      127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
.addGap(55, 55, 55)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jLabel2)
.addComponent(jLabel1)
.addComponent(jLabel3)
.addGap(18, 18, 18)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
.addComponent(jTextFieldCadastroFuncionarioNome,
javax.swing.GroupLayout.DEFAULT_SIZE, 269, Short.MAX_VALUE)
.addComponent(jPasswordFieldSenhaCadastroFuncionario)
.addComponent(jComboBoxTipoCadastroFuncionario,
javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE))))
.addContainerGap(28, Short.MAX_VALUE)
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(39, 39, 39)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel1)
.addComponent(jTextFieldCadastroFuncionarioNome,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(22, 22, 22)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel2)
.addComponent(jPasswordFieldSenhaCadastroFuncionario,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(26, 26, 26)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel3)
.addComponent(jComboBoxTipoCadastroFuncionario,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
33, Short.MAX_VALUE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButtonOkCadastroFuncionario)
.addComponent(jButtonFecharCadastroFuncionario))
.addGap(36, 36, 36))

```

```

);

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Cadastro de Usuário");

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(52, 52, 52)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(35, javax.swing.GroupLayout.DEFAULT_SIZE,
                Short.MAX_VALUE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createSequentialGroup()
                    .addGap(52, 52, 52)
                    .addComponent(jLabel10)
                    .addGap(52, 52, 52))
            .addContainerGap())
        .addGroup(layout.createSequentialGroup()
            .addGap(7, 7, 7)
            .addComponent(jLabel10)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(35, javax.swing.GroupLayout.DEFAULT_SIZE,
                Short.MAX_VALUE)
            .addContainerGap())
);

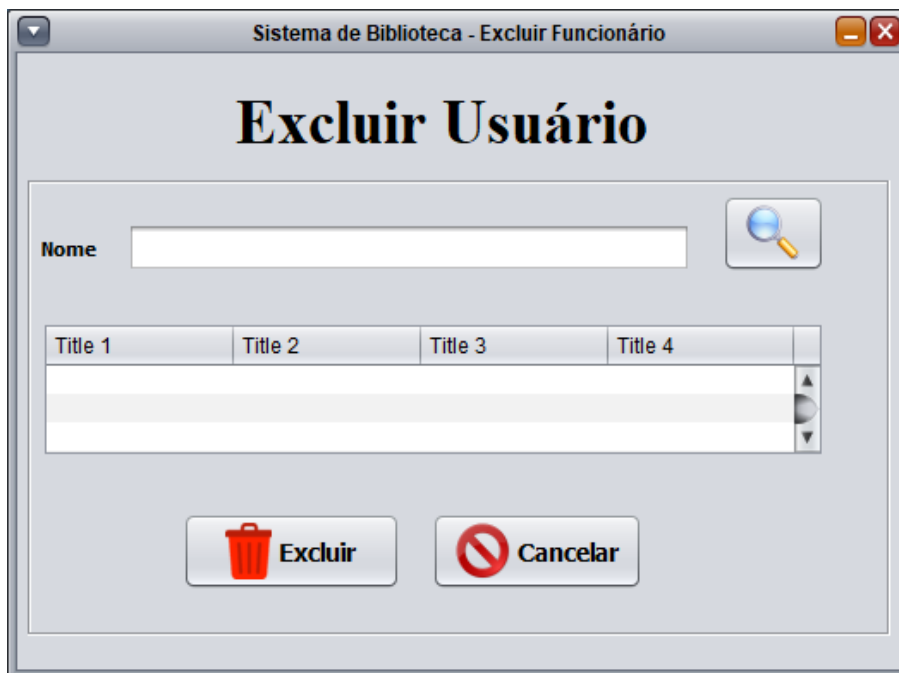
pack();
} // </editor-fold>

private void jButtonFecharCadastroFuncionarioActionPerformed(java.awt.event.ActionEv
ent evt) {
    this.dispose();
}

```

```
// Variables declaration - do not modify
private javax.swing.JButton jButtonFecharCadastroFuncionario;
private javax.swing.JButton jButtonOkCadastroFuncionario;
private                                     javax.swing.JComboBox<String>
jComboBoxTipoCadastroFuncionario;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private                                     javax.swing.JPasswordField
jPasswordFieldSenhaCadastroFuncionario;
private javax.swing.JTextField jTextFieldCadastroFuncionarioNome;
// End of variables declaration
}
```

Tela 20. Excluir usuário



[RF20] - Responsável por realizar a exclusão dos usuários (Adm ou funcionário) que poderão ter acesso ao sistema.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ExcluirUsuario extends javax.swing.JInternalFrame {

    /**
     * Creates new form ExcluirFuncionario
     */
    public ExcluirUsuario() {
        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")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel10 = new javax.swing.JLabel();
        jPanel1 = new javax.swing.JPanel();
        jButtonPesquisarExcluirFuncionario = new javax.swing.JButton();
        jButtonCancelarExcluirFuncionario = new javax.swing.JButton();
        jButtonExcluirFuncionario = new javax.swing.JButton();
        jTextFieldNomeExcluirFuncionario = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTableTabelaExcluirFuncionario = new javax.swing.JTable();

        setClosable(true);
        setIconifiable(true);
        setTitle("Sistema de Biblioteca - Excluir Funcionário");

        jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
        jLabel10.setText("Excluir Usuário");

        jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

```

```

jButtonPesquisarExcluirFuncionario.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonPesquisarExcluirFuncionario.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
NOI18N
jButtonPesquisarExcluirFuncionario.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonPesquisarExcluirFuncionarioActionPerformed(evt);
}
});

```

```

jButtonCancelarExcluirFuncionario.setFont(new java.awt.Font("Tahoma", 1,
14)); // NOI18N
jButtonCancelarExcluirFuncionario.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarExcluirFuncionario.setText("Cancelar");
jButtonCancelarExcluirFuncionario.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonCancelarExcluirFuncionarioActionPerformed(evt);
}
});

```

```

jButtonExcluirFuncionario.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonExcluirFuncionario.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/trash-
can_115312.png"))); // NOI18N
jButtonExcluirFuncionario.setText("Excluir");

```

```

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel1.setText("Nome");

```

```

jTableTabelaExcluirFuncionario.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"

```



```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel1)
.addComponent(jTextFieldNomeExcluirFuncionario,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jButtonPesquisarExcluirFuncionario))
.addGap(28, 28, 28)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
77, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(31, 31, 31)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jButtonExcluirFuncionario)
.addComponent(jButtonCancelarExcluirFuncionario))
.addContainerGap(24, Short.MAX_VALUE))
);

```

```

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(layout.createSequentialGroup())
.addGap(127, 127, 127)
.addComponent(jLabel10)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGap(18, 18, 18)
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
);

```

```

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(25, Short.MAX_VALUE))
);

```

```

pack();
} // </editor-fold>

```

```

private void
jButtonPesquisarExcluirFuncionarioActionPerformed(java.awt.event.ActionEv
ent evt) {

```

```

}

```

```

private void
jButtonCancelarExcluirFuncionarioActionPerformed(java.awt.event.ActionEv
ent evt) {
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarExcluirFuncionario;
private javax.swing.JButton jButtonExcluirFuncionario;
private javax.swing.JButton jButtonPesquisarExcluirFuncionario;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaExcluirFuncionario;
private javax.swing.JTextField jTextFieldNomeExcluirFuncionario;
// End of variables declaration
}

```

Tela 21. Empréstimo



[RF21] - Responsável por realizar o empréstimo dos livros previamente cadastrados no banco de dados do sistema.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class Emprestimo extends javax.swing.JInternalFrame {

    /**
     * Creates new form Emprestimo
     */
    public Emprestimo() {
        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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jComboBoxNomeEmprestimo = new javax.swing.JComboBox<>();
    jLabel2 = new javax.swing.JLabel();
    jComboBoxLivroEmprestimo = new javax.swing.JComboBox<>();
    listListaEmprestimo = new java.awt.List();
    jLabel3 = new javax.swing.JLabel();
    jFormattedTextFieldDtEmprestimoEmprestimo = new
    javax.swing.JFormattedTextField();
    jLabel4 = new javax.swing.JLabel();
    jFormattedTextFieldDtDevolverEmprestimo = new
    javax.swing.JFormattedTextField();
    jButtonOkEmprestimo = new javax.swing.JButton();
    jButtonCancelarEmprestimo = new javax.swing.JButton();
    jButtonFecharEmprestimo = new javax.swing.JButton();
    jButtonInserirEmprestimo = new javax.swing.JButton();
    jLabel5 = new javax.swing.JLabel();
    jTextFieldNUmeroEmprestimo = new javax.swing.JTextField();

    setClosable(true);
    setIconifiable(true);
    setResizable(true);
    setTitle("Sistema de Biblioteca - Empréstimo");

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
    jLabel10.setText("Empréstimo");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel1.setText("Nome do Leitor");

    jComboBoxNomeEmprestimo.setModel(new
    javax.swing.DefaultComboBoxModel<>(new String[] { "Francisgleydisson",
    "Tonha", "Item 3", "Item 4" }));

```

```

jComboBoxNomeEmprestimo.setToolTipText("Escolha o nome do leitor");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel2.setText("Livro");

jComboBoxLivroEmprestimo.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1", "Item 2",
"Item 3", "Item 4" }));
jComboBoxLivroEmprestimo.setToolTipText("Escolha o(s) Livro(s)");

listaEmprestimo.addActionListener(new java.awt.event.ActionListener()
{
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        listaEmprestimoActionPerformed(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel3.setText("Data Empréstimo");

jFormattedTextFieldDtEmprestimoEmprestimo.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.DateFormatter()));
jFormattedTextFieldDtEmprestimoEmprestimo.setToolTipText("Insira a data
do empréstimo");

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel4.setText("Devolver até");

jFormattedTextFieldDtDevolverEmprestimo.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.DateFormatter()));
jFormattedTextFieldDtDevolverEmprestimo.setToolTipText("Insira a data da
devolução");

jButtonOkEmprestimo.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonOkEmprestimo.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/ok.png"))); //
NOI18N
jButtonOkEmprestimo.setText("OK");

jButtonCancelarEmprestimo.setFont(new java.awt.Font("Tahoma", 1, 14));
// NOI18N

```

```

jButtonCancelarEmprestimo.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png")));
// NOI18N
jButtonCancelarEmprestimo.setText("Cancelar");

jButtonFecharEmprestimo.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N
jButtonFecharEmprestimo.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharEmprestimo.setText("Fechar");
jButtonFecharEmprestimo.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonFecharEmprestimoActionPerformed(evt);
}
});

jButtonInserirEmprestimo.setFont(new java.awt.Font("Tahoma", 1, 11)); //
NOI18N
jButtonInserirEmprestimo.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/icons8-comprar-
26.png"))); // NOI18N
jButtonInserirEmprestimo.setText("Inserir Livro");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jLabel5.setText("Número do Leitor");
jLabel5.setToolTipText("Insera o número do Leitor");

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(56, 56, 56)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jLabel3)
.addComponent(jLabel4))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
.addComponent(jFormattedTextFieldDtEmprestimoEmprestimo)
.addComponent(jFormattedTextFieldDtDevolverEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          65,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(listListaEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          547,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jButtonInserirEmprestimo)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jLabel1)
.addComponent(jLabel5)
.addComponent(jLabel2))
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jTextFieldNumeroEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          215,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jComboBoxNomeEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          215,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jComboBoxLivroEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          215,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(136, 136, 136)
.addComponent(jButtonOkEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)

```

```

.addComponent(jButtonCancelarEmprestimo)
.addGap(18, 18, 18)
.addComponent(jButtonFecharEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          127,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(100, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(33, 33, 33)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel1)
.addComponent(jComboBoxNomeEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel5)
.addComponent(jTextFieldNumeroEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(17, 17, 17)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel2)
.addComponent(jComboBoxLivroEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel3)
.addComponent(jFormattedTextFieldDtEmprestimoEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,

```



```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
.addComponent(jLabel4)
.addComponent(jFormattedTextFieldDtDevolverEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))
.addGap(18, 18, 18)
.addComponent(jButtonInserirEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(listListaEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(30, 30, 30)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
.addComponent(jButtonOkEmprestimo)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
.addComponent(jButtonFecharEmprestimo)
.addComponent(jButtonCancelarEmprestimo))))
.addContainerGap(30, Short.MAX_VALUE)
);

```

33,

142,

```

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGap(283, 283, 283)
.addComponent(jLabel10)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

```

```

.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(15, Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(23, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

private void listListaEmprestimoActionPerformed(java.awt.event.ActionEvent
evt) {
// TODO add your handling code here:
}

```

```

private void jButtonFecharEmprestimoActionPerformed(java.awt.event.ActionEvent evt)
{
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarEmprestimo;
private javax.swing.JButton jButtonFecharEmprestimo;
private javax.swing.JButton jButtonInserirEmprestimo;
private javax.swing.JButton jButtonOkEmprestimo;
private javax.swing.JComboBox<String> jComboBoxLivroEmprestimo;
private javax.swing.JComboBox<String> jComboBoxNomeEmprestimo;
private javax.swing.JFormattedTextField
jFormattedTextFieldDtDevolverEmprestimo;
private javax.swing.JFormattedTextField
jFormattedTextFieldDtEmprestimoEmprestimo;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel110;

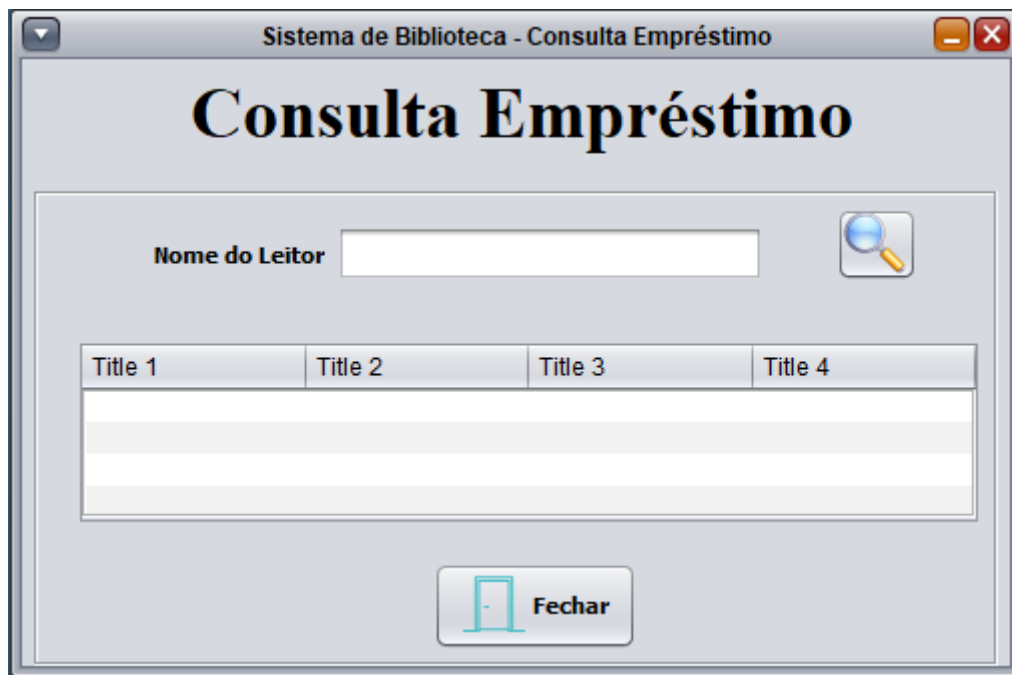
```

```

private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JPanel jPanel11;
private javax.swing.JTextField jTextFieldNumeroEmprestimo;
private java.awt.List listListaEmprestimo;
// End of variables declaration

```

Tela 22. Consultar empréstimo



[RF22] - Responsável por realizar consulta de empréstimos cadastrados no banco de dados do sistema.

Código

```

/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ConsultaEmprestimo extends javax.swing.JInternalFrame {

```

```

/**
 * Creates new form ConsultaEmprestimo
 */
public ConsultaEmprestimo() {
    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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeConsultaEmprestimo = new javax.swing.JTextField();
    jButtonPesquisarConsultaEmprestimo = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaConsultaEmprestimo = new javax.swing.JTable();
    jButton2 = new javax.swing.JButton();
    jLabel10 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Consulta Empréstimo");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel1.setText("Nome do Leitor");

    jButtonPesquisarConsultaEmprestimo.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
    NOI18N

    jTableTabelaConsultaEmprestimo.setBorder(javax.swing.BorderFactory.crea
    teEtchedBorder());
    jTableTabelaConsultaEmprestimo.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.setViewportViewView(jTableTabelaConsultaEmprestimo);

jButton2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
jButton2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButton2.setText("Fechar");
jButton2.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButton2ActionPerformed(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()
        .addGap(19, 19, 19)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel1)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jTextFieldNomeConsultaEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE, 213,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(36, 36, 36)
                .addComponent(jButtonPesquisarConsultaEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(38, 38, 38))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(19, 19, 19)
                .addComponent(jButtonFechar,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(38, 38, 38))
        )
    )
    .addContainerGap(19, true)
);

```

```

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
452, javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap()))
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(197, 197, 197)
.addComponent(jButton2)
.addGap(0, 0, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jButtonPesquisarConsultaEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel1)
.addComponent(jTextFieldNomeConsultaEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGap(29, 29, 29)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
93, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButton2)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

```

```

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Consultar Empréstimo");
jLabel10.setToolTipText("Cadastro de Leitor");

```

```

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()

```

```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addContainerGap()
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(layout.createSequentialGroup()
.addGap(84, 84, 84)
.addComponent(jLabel10)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addContainerGap()
.addComponent(jLabel10)
.addGap(18, 18, 18)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton2;
private javax.swing.JButton jButtonPesquisarConsultaEmprestimo;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaConsultaEmprestimo;
private javax.swing.JTextField jTextFieldNomeConsultaEmprestimo;
// End of variables declaration
}

```

Tela 23. Excluir empréstimo



[RF23] - Responsável por realizar a exclusão dos empréstimos cadastrados no banco de dados.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ExcluirEmprestimo extends javax.swing.JInternalFrame {

    /**
     * Creates new form ExcluirEmprestimo
     */
    public ExcluirEmprestimo() {
        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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeExcluirEmprestimo = new javax.swing.JTextField();
    jButtonPesquisaExcluirEmprestimo = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaExcluirEmprestimo = new javax.swing.JTable();
    jButtonExcluirEmprestimo = new javax.swing.JButton();
    jButtonFecharExcluirEmprestimo = new javax.swing.JButton();
    jLabel10 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Excluir Empréstimo");

    jPanel1.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel1.setText("Nome do Leitor");

    jButtonPesquisaExcluirEmprestimo.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); //
    NOI18N

    jTableTabelaExcluirEmprestimo.setBorder(javax.swing.BorderFactory.create
    EtchedBorder());
    jTableTabelaExcluirEmprestimo.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.setViewportViewView(jTableTabelaExcluirEmprestimo);

jButtonExcluirEmprestimo.setFont(new java.awt.Font("Tahoma", 1, 11)); //
NOI18N
jButtonExcluirEmprestimo.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/trash-
can_115312.png"))); // NOI18N
jButtonExcluirEmprestimo.setText("Excluir");

jButtonFecharExcluirEmprestimo.setFont(new java.awt.Font("Tahoma", 1,
11)); // NOI18N
jButtonFecharExcluirEmprestimo.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Imagens/fechar.png")));
// NOI18N
jButtonFecharExcluirEmprestimo.setText("Fechar");
jButtonFecharExcluirEmprestimo.addActionListener(new
java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
jButtonFecharExcluirEmprestimoActionPerformed(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(19, Short.MAX_VALUE)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
452, javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap())
.addGroup(jPanel1Layout.createSequentialGroup()
.addComponent(jLabel1)
.addGap(18, 18, 18)
.addComponent(jTextFieldNomeExcluirEmprestimo)
.addGap(36, 36, 36)
.addComponent(jButtonPesquisaExcluirEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(38, 38, 38))

```

41,

```

.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(96, 96, 96)
.addComponent(jButtonExcluirEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          107,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(65, 65, 65)
.addComponent(jButtonFecharExcluirEmprestimo)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jButtonPesquisaExcluirEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,          37,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel1)
.addComponent(jTextFieldNomeExcluirEmprestimo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGap(29, 29, 29)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
93, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButtonExcluirEmprestimo)
.addComponent(jButtonFecharExcluirEmprestimo))
.addContainerGap(51, Short.MAX_VALUE))
);

```

```

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Excluir Empréstimo");
jLabel10.setToolTipText("Cadastro de Leitor");

```

```

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

```

```

layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
.addGroup(layout.createSequentialGroup())
.addGap(91, 91, 91)
.addComponent(jLabel10))
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

private void
jButtonFecharExcluirEmprestimoActionPerformed(java.awt.event.ActionEven
t evt) {
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonExcluirEmprestimo;
private javax.swing.JButton jButtonFecharExcluirEmprestimo;
private javax.swing.JButton jButtonPesquisaExcluirEmprestimo;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JPanel jPanel1;

```

```
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaExcluirEmprestimo;
private javax.swing.JTextField jTextFieldNomeExcluirEmprestimo;
// End of variables declaration
}
```

Tela 24. Devolução

[RF24] - Responsável por realizar a devolução do livro emprestado ao leitor anteriormente.

Código

```
/*
 * 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 view;
```

```
/**
 *
 * @author Jefferson Queiroz
 */
public class Devolucao extends javax.swing.JInternalFrame {
```

```

/* Creates new form Devolucao /
public Devolucao() {
    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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel10 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeDevolucao = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jTextFieldNumeroEmprestimoDevolucao = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaDevolucao = new javax.swing.JTable();
    jButtonDevolverDevolucao = new javax.swing.JButton();
    jButtonPesquisaDevolução = new javax.swing.JButton();
    jButtonCancelarDevolucao = new javax.swing.JButton();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Devolução");

    jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
    jLabel10.setText("Devolução");

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel1.setText("Nome do Leitor");

    jTextFieldNomeDevolucao.setToolTipText("Digite o Nome do Leitor ou digite
    abaixo o número do Empréstimo");

    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel2.setText("Nº do Empréstimo");

    jTableTabelaDevolucao.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.setViewportViewView(jTableTabelaDevolucao);  
  
jButtonDevolverDevolucao.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N  
jButtonDevolverDevolucao.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/Imagens/icons8-devolver-  
compra-26.png"))); // NOI18N  
jButtonDevolverDevolucao.setText("Devolver");  
  
jButtonPesquisaDevolução.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/Imagens/lupa.png"))); // NOI18N  
jButtonPesquisaDevolução.setTooltipText("Clique aqui para pesquisar");  
  
jButtonCancelarDevolucao.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N  
jButtonCancelarDevolucao.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/Imagens/cancel.png"))); // NOI18N  
jButtonCancelarDevolucao.setText("Cancelar");  
jButtonCancelarDevolucao.addActionListener(new  
java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButtonCancelarDevolucaoActionPerformed(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()  
.addGap(10, 10, 0).add(jButtonDevolverDevolucao)  
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED).add(jButtonPesquisaDevolução)  
.addContainerGap())  
.addGroup(jPanel1Layout.createSequentialGroup()  
.addGap(10, 10, 0).add(jButtonCancelarDevolucao)  
.addContainerGap());
```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(24, 24, 24)
.addComponent(jLabel1))
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jLabel2)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
.addComponent(jTextFieldNumeroEmprestimoDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE, 71,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jTextFieldNomeDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE, 246,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonPesquisaDevolucao)))
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
521, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(141, 141, 141)
.addComponent(jButtonDevolverDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE, 127,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonCancelarDevolucao)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(29, 29, 29)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
.addComponent(jLabel1)

```



```

.addComponent(jTextFieldNomeDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jButtonPesquisaDevolução)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
.addComponent(jLabel2)
.addComponent(jTextFieldNumeroEmprestimoDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(26, 26, 26)
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
123, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(20, 20, 20)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
.addComponent(jButtonCancelarDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jButtonDevolverDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

```

```

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
.addGroup(layout.createSequentialGroup()
.addGap(195, 195, 195)
.addComponent(jLabel10))
.addGroup(layout.createSequentialGroup()
.addGap(19, 19, 19)

```

```

.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addContainerGap()
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jPanel1,          javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(21, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

```

```

private void
jButtonCancelarDevolucaoActionPerformed(java.awt.event.ActionEvent evt)
{
this.dispose();
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButtonCancelarDevolucao;
private javax.swing.JButton jButtonDevolverDevolucao;
private javax.swing.JButton jButtonPesquisaDevolução;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTableTabelaDevolucao;
private javax.swing.JTextField jTextFieldNomeDevolucao;
private javax.swing.JTextField jTextFieldNumeroEmprestimoDevolucao;
// End of variables declaration

}

```

Tela 25. Consultar devolução

Sistema de Biblioteca - Consultar Devolução

Consultar Devolução

Nome do Leitor

Nº da Devolução

Title 1	Title 2	Title 3	Title 4

Fechar

[RF25] - Responsável por realizar consultas de devoluções cadastradas no banco de dados.

Código

```
/*
 * 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 view;

/**
 *
 * @author Jefferson Queiroz
 */
public class ConsultaDevolucao extends javax.swing.JInternalFrame {

    /**
     * Creates new form ConsultaDevolucao
     */
    public ConsultaDevolucao() {
        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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jTextFieldNomeLeitorConsultaDevolucao = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jTextFieldNumeroConsultaDevolucao = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTableTabelaConsultaDevolucao = new javax.swing.JTable();
    jButtonFecharConsultaDevolucao = new javax.swing.JButton();
    jButtonPesquisaConsultaDevolucao = new javax.swing.JButton();
    jLabel10 = new javax.swing.JLabel();

    setClosable(true);
    setIconifiable(true);
    setTitle("Sistema de Biblioteca - Consultar Devolução");

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel1.setText("Nome do Leitor");

    jTextFieldNomeLeitorConsultaDevolucao.setToolTipText("Digite o Nome do
    Leitor ou digite abaixo o número do Empréstimo");

    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
    jLabel2.setText("Nº da Devolução");

    jTableTabelaConsultaDevolucao.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(jTableTabelaConsultaDevolucao);

```



```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jTextFieldNumeroConsultaDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE, 71,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGroup(jPanel1Layout.createSequentialGroup())
.addComponent(jTextFieldNomeLeitorConsultaDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE, 246,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonPesquisaConsultaDevolucao))))
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
521, javax.swing.GroupLayout.PREFERRED_SIZE))))
.addContainerGap(28, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup())
.addGap(29, 29, 29)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel1)
.addComponent(jTextFieldNomeLeitorConsultaDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(jPanel1Layout.createSequentialGroup())
.addContainerGap()
.addComponent(jButtonPesquisaConsultaDevolucao)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel2)
.addComponent(jTextFieldNumeroConsultaDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(26, 26, 26)

```

```

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
123, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(18, 18, 18)
.addComponent(jButtonFecharConsultaDevolucao,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(25, Short.MAX_VALUE))
);

```

```

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel10.setText("Consultar Devolução");

```

```

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup())
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
.addGroup(layout.createSequentialGroup())
.addContainerGap()
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(layout.createSequentialGroup())
.addGap(109, 109, 109)
.addComponent(jLabel10)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
.addComponent(jLabel10)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
);

```

```

pack();

```

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

```
private void  
jButtonFecharConsultaDevolucaoActionPerformed(java.awt.event.ActionEve  
nt evt) {  
this.dispose();  
}
```

```
// Variables declaration - do not modify  
private javax.swing.JButton jButtonFecharConsultaDevolucao;  
private javax.swing.JButton jButtonPesquisaConsultaDevolucao;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel10;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JTable jTableTabelaConsultaDevolucao;  
private javax.swing.JTextField jTextFieldNomeLeitorConsultaDevolucao;  
private javax.swing.JTextField jTextFieldNumeroConsultaDevolucao;  
// End of variables declaration  
}
```

4.2.2. Classes da camada Controller.

Apresentar a descrição do código da classe.

Autor DAO

```
package controller;  
  
//import com.sun.jndi.ldap.Connection;  
import java.sql.Connection;  
import java.sql.PreparedStatement;  
import java.sql.ResultSet;  
import java.sql.SQLException;  
import java.sql.Statement;  
import model.Autor;  
  
public class AutorDAO {  
  
private final Connection con;
```



```

private PreparedStatement cmd;

public AutorDAO(){

//ABRIR CONEXÃO COM O BANCO DE DADOS
this.con = ConexaoBD.Conectar();
}

public int inserir(Autor a){
try {
String sql = "insert into autor (nome, id_login) values (?,2)";

cmd = con.prepareStatement(sql, Statement.RETURN_GENERATED_KEYS);//
REFERENCIA A CONEXÃO

cmd.setString(1, a.getNome());
//cmd.setInt(2, a.getId_login());

if(cmd.executeUpdate() > 0){
ResultSet rs = cmd.getGeneratedKeys();
return (rs.next()) ? rs.getInt(1): -1;
}else{
return -1;
}

} catch (SQLException e) {
System.out.println("ERRO SQL" + e.getMessage());
}finally{
ConexaoBD.Desconectar(con);//FECHAR CONEXÃO
}

return 0;

}

public void alterar(Autor a) {
String sql = "UPDATE autor SET nome = ? where id_autor = ?";// não sei como
fazer para chamar o id_editora

try (PreparedStatement preparedStatement = con.prepareStatement(sql)) {
preparedStatement.setString(1, a.getNome());

```

```

preparedStatement.setInt(2, a.getId_autor());

preparedStatement.execute();
} catch (SQLException e) {
e.printStackTrace();
}
}

public void excluir(Autor a) {
String sql = "delete from autor where nome = ?";
try (PreparedStatement preparedStatement = con.prepareStatement(sql)) {
preparedStatement.setString(1, a.getNome());

preparedStatement.execute();
} catch (SQLException e) {
e.printStackTrace();
}
}
}

```

Editora DAO

```

package controller;

import java.sql.*;
import model.Editora;

public class EditoraDAO {

private final Connection con = ConexaoBD.Conectar();

public void cadastrar(Editora editora) {
String sql = "insert into editora (nome)values(?)";
try (PreparedStatement preparestatement = con.prepareStatement(sql)) {

preparestatement.setString(1, editora.getNome());
//executando comando sql
preparestatement.execute();

```

```

        preparedStatement.close();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}

public void alterar(Editora editora) {
    String sql = "UPDATE editora SET nome = ? WHERE id_editora = ?"; // não sei como
    fazer para chamar o id_editora

    try (PreparedStatement preparedStatement = con.prepareStatement(sql)) {
        preparedStatement.setString(1, editora.getNome());
        preparedStatement.setInt(2, editora.getId_editora());

        preparedStatement.execute();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}

public void excluir(Editora editora) {
    String sql = "delete from editora where nome = ?";
    try (PreparedStatement preparedStatement = con.prepareStatement(sql)) {
        preparedStatement.setString(1, editora.getNome());
        preparedStatement.execute();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}
}

```

Leitor DAO

```

package controller;

import java.sql.Connection;
import java.sql.PreparedStatement;

```

```

import java.sql.SQLException;
//import java.text.SimpleDateFormat;
import model.Leitor;

public class LeitorDAO {

    private final Connection con = ConexaoBD.Conectar();
    //SimpleDateFormat formato = new SimpleDateFormat("dd/MM/yyyy");

    public void cadastrar(Leitor leitor) {

        String sql = "insert into leitor (nome, cpf, data_nascimento, telefone, email, rua,
        numero, bairro, cidade, cep, uf, id_login) \n" +
        "VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, 2)";

        try (PreparedStatement preparestatement = con.prepareStatement(sql)) {

            preparestatement.setString(1, leitor.getNome());
            preparestatement.setString(2, leitor.getCpf());
            preparestatement.setDate(3, leitor.getDataNascimento()); //converter
            preparestatement.setString(4, leitor.getTelefone());
            preparestatement.setString(5, leitor.getEmail());
            preparestatement.setString(6, leitor.getRua());
            preparestatement.setString(7, leitor.getNumero());
            preparestatement.setString(8, leitor.getBairro());
            preparestatement.setString(9, leitor.getCidade());
            preparestatement.setString(10, leitor.getCep());
            preparestatement.setString(11, leitor.getUf());
            //preparestatement.setInt(12, leitor.getId_login());

            //executando comando sql
            preparestatement.execute();
            preparestatement.close();
        } catch (SQLException e) {
            e.printStackTrace();
        }

    }

}

```

```

public void alterar(Leitor leitor) {
    String sql = "UPDATE leitor SET nome = ?, cpf=?,data_nascimento= ?, telefone=
    ?,email= ?,rua= ?,numero= ?,bairro= ?,cidade=? ,cep= ?,uf=?, id_login=2 \n" +
    "WHERE id_leitor = ?";

    try (PreparedStatement preparestatement = con.prepareStatement(sql)) {
        preparestatement.setString(1, leitor.getNome());
        preparestatement.setString(2, leitor.getCpf());
        preparestatement.setDate(3, leitor.getDataNascimento());//converter
        preparestatement.setString(4, leitor.getTelefone());
        preparestatement.setString(5, leitor.getEmail());
        preparestatement.setString(6, leitor.getRua());
        preparestatement.setString(7, leitor.getNumero());
        preparestatement.setString(8, leitor.getBairro());
        preparestatement.setString(9, leitor.getCidade());
        preparestatement.setString(10, leitor.getCep());
        preparestatement.setString(11, leitor.getUf());
        preparestatement.setInt(13, leitor.getId_leitor());

        preparestatement.execute();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}

public void excluir(Leitor leitor) {
    String sql = "DELETE FROM leitor WHERE id_leitor = ?";

    try (PreparedStatement preparedStatement = con.prepareStatement(sql)) {
        preparedStatement.setInt(1, leitor.getId_leitor());
        preparedStatement.execute();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}

```

Livro DAO

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```

try (PreparedStatement preparestatement = con.prepareStatement(sql)) {
    preparestatement.setString(1, livro.getTitulo());
    preparestatement.setString(2, livro.getAutor());
    preparestatement.setString(3, livro.getEditora());
    preparestatement.setString(4, livro.getAnoedicao());
    preparestatement.setInt(5, livro.getVolume());

    preparestatement.execute();
} catch (SQLException e) {
    e.printStackTrace();
}

}

public void excluir(Livro livro) {
    String sql = "DELETE from livro WHERE titulo = ?";

    try (PreparedStatement preparedStatement = con.prepareStatement(sql)) {
        preparedStatement.setString(1, livro.getTitulo());
        preparedStatement.execute();
    } catch (SQLException e) {
        e.printStackTrace();
    }

}

```

Usuário DAO

```

package controller;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import model.Usuario;

public class UsuarioDAO {

    private final Connection con = ConexaoBD.Conectar();

```

```

public void cadastrar(Usuario usuario) {
    String sql = "INSERT INTO usuario (nome, senha, tipo, id_login) values (?, ?, ?, 2)";
    //id_login inserir no direto do comando
    try (PreparedStatement preparestatement = con.prepareStatement(sql)) {

        preparestatement.setString(1, usuario.getNome());
        preparestatement.setString(2, usuario.getSenha());
        preparestatement.setString(3, usuario.getTipo());
        //executando comando sql
        preparestatement.execute();
        preparestatement.close();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}

public void excluir(Usuario usuario) {
    String sql = "DELETE FROM usuario WHERE nome = ?";

    try (PreparedStatement preparedStatement = con.prepareStatement(sql)) {
        preparedStatement.setString(1, usuario.getNome());
        preparedStatement.execute();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}
}

```

Conexão DB

```

package controller;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

```



```

//import java.sql.*;
import javax.swing.JOptionPane;

public class ConexaoBD {

//Detalhes da Conexão
private static final String DATABASE="biblioteca";
private static final String HOST="jdbc:mysql://localhost:3306/biblioteca";
private static final String DRIVER="com.mysql.jdbc.Driver";

//Para tirar erro de SSL em alguns casos em que tem varios Bancos e Certificados
private static final String
URL="jdbc:mysql://localhost:3306/biblioteca?useTimezone=true&serverTimezone=UTC&useS
SL=false";

private static final String USR="root";
private static final String PWD="";

//Metodo conectar
public static Connection Conectar(){
try{
Class.forName(DRIVER);
return DriverManager.getConnection(URL, USR, PWD);
}
catch (ClassNotFoundException | SQLException e) {
System.out.println("Ocorreu falha na conexão com Banco de Dados, acione equipe de suporte
!");
System.out.println("Falha ao Conectar com Banco de Dados: " + "ERRO RETORNADO: " +
e.getMessage());
JOptionPane.showMessageDialog(null,"Falha de Comunicação com Banco de Dados",
"WARNING: Conexão com Banco", JOptionPane.WARNING_MESSAGE);
return null;
}
}

//Método Desconectar
public static void Desconectar (Connection con){
try{
if (con != null){
con.close();

```

```

    }
    }
    catch (SQLException e){
        System.out.println("ERRO: " + e.getMessage());
    }
    }

    //Metodo Main
    public static void main(String[] args){
        if (Conectar() != null){
            System.out.println("Conexão realizada com sucesso!");
            System.out.println("Conectado ao Banco de Dados Bibliotexa - Mysql");
            JOptionPane.showMessageDialog(null,"Operação realizada com sucesso !",
            "CONEXÃO COM SUCESSO", JOptionPane.INFORMATION_MESSAGE);
        }
    }
}

```

4.2.3. Classes da camada Model

Apresentar a descrição do código da classe.