



UNINABUCO

ANÁLISE E DESENVOLVIMENTO DE SOFTWARE

TÓPICOS INTEGRADORES II

Documentação de Projeto de Software

Versão 3.0

Autor(a): Lucas André

<https://github.com/lucas997/estudante-feliz>

2020

Controle de Versão do Documento

Data	Versão	Descrição
25/05/2020	3.0	Introdução e Modelo de dados do Projeto Estudante Feliz

Sumário

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1. Introdução ao Documento

1.1. Área de negócio do Sistema

Software de cadastro em creches, para crianças que moram na região metropolitana de recife.

1.2. Principais funcionalidades

- Cadastrar Funcionário.
- Cadastrar Responsável pelo aluno.
- Consultar creches disponíveis na região metropolitana do recife e realizar a matrícula dos alunos.
- Consultar Funcionário.

1.3. Método de trabalho

Neste projeto serão usadas as seguintes tecnologias;

- Banco de dados MySQL
- SGBD: MariaBD
- Linguagem de Programação: Java
- IDE: Netbeans 8.2

2. Modelo de Dados

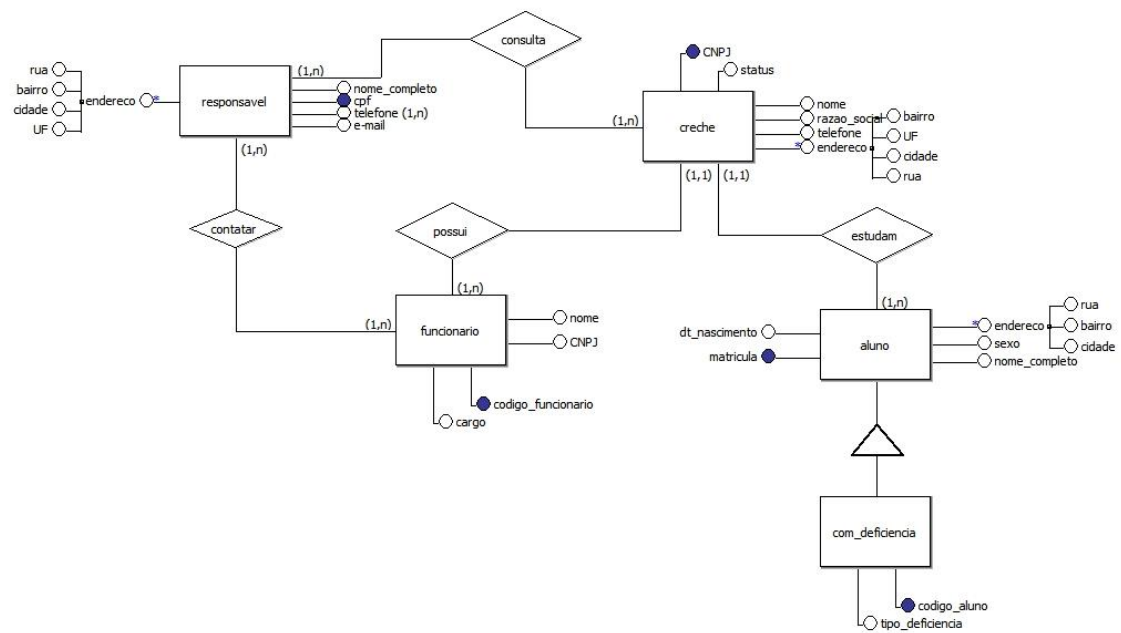
2.1. MODELO DE VISÃO

Este é um banco de dados de um sistema de vagas para crianças, de 0 a 4 anos em creches da região metropolitana do recife. Um pai ou responsável pode consultar uma ou mais creches e uma creche pode ser consultada por um ou mais responsáveis. o pai ou responsável terá em suas informações: nome completo, cpf, telefone podendo ter mais de um número, e-mail, endereço, rua, bairro, cidade e UF. Nas informações da creche terá: nome, CNPJ, razão social, telefone, endereço, rua, bairro, cidade e UF.

Cada creche terá disponibilidade para trabalhar com crianças com e sem deficiência, os alunos sem deficiência terão os campos: nome completo, matrícula, data de nascimento, sexo, endereço, rua bairro e cidade. Para as crianças com deficiência serão informados: nome completo, código do aluno, data de nascimento, telefone do pai ou responsável, endereço, rua, bairro, cidade e tipo de deficiência. As creches vão poder ter um ou mais alunos e os alunos terão que estudar no máximo em uma creche.

Cada creche terá um funcionário para o pai ou responsável manter contato com ele para saber se a criança está sob os devidos cuidados na ausência dos mesmos, cada pai pode contatar um ou mais funcionários e um funcionário manterá contato com um ou vários pais. Para os funcionários serem cadastrados serão preenchidos: nome, código do funcionário e cargo.

2.2 Modelo Conceitual



2.3 Modelo Lógico

Tabela Responsavel (nome_completo, cpf, e-mail, senha, rua, bairro, cidade, UF)

Chave primária: cpf

Tabela Creche (nome, razao_social, CNPJ, status, rua, bairro, cidade, UF, matricula)

Chave primaria: CNPJ

Chave estrangeira: matricula referencia aluno

Tabela Aluno (nome_completo, matricula, dt_nascimento, sexo, rua, bairro, cidade, tipo_deficiencia)

Chave primaria: matricula

Tabela Funcionario (nome, codigo_funcionario, senha, cargo, CNPJ)

Chave primaria: codigo_funcionario

Chave estrangeira: CNPJ referencia creche

Tabela responsavel_funcionario (cpf, codigo_funcionario)

Chave primaria: cpf, codigo_funcionario

Chave estrangeira: cpf referencia responsavel

Chave estrangeira: codigo_funcionario referencia funcionário

Tabela telefone_responsavel (telefone, cpf)

Chave primaria: telefone, cpf

Chave estrangeira: cpf referencia responsável

Tabela responsavel_creche (cpf, CNPJ)

Chave primaria: cpf, CNPJ

Chave estrangeira: cpf referencia responsável

Chave estrangeira: CNPJ referencia creche

2.4 Dicionário de Dados

Tabela	Descrição
Responsável	Armazenará as informações da tabela Responsável

Campo	Tipo	Descrição	Observações e Regras
nome_completo	varchar(100)	Nome completo do responsável	Not Null
CPF	varchar(11)	CPF do responsável	Not Null; PK
email	varchar(100)	E-mail do responsável	Not Null
senha	varchar(20)	Senha do responsável	Not Null
rua	varchar(100)	Rua onde o responsável mora	Not Null
bairro	varchar(100)	Bairro do responsável	Not Null
cidade	varchar(100)	Cidade do responsável	Not Null
uf	varchar(2)	Unidade federativa do responsável	Not Null

Tabela	Descrição
Creche	Armazenará as informações da tabela Creche

Campo	Tipo	Descrição	Observações e Regras
nome	varchar(100)	Nome da creche	Not Null
razao_social	varchar(200)	Razão social da creche	Not Null / Unique
CNPJ	varchar(14)	CNPJ da creche	Not Null; PK
telefone	varchar(10)	Telefone da creche	Not Null
rua	varchar(100)	Rua onde a creche está localizada	Not Null
bairro	varchar(100)	Bairro onde a creche está localizada	Not Null
cidade	varchar(100)	Cidade onde a creche está localizada	Not Null

uf	varchar(2)	Unidade federativa na qual a creche está localizada	Not Null
matricula	varchar(8)	Matrícula do aluno na creche	Not Null; FK(Aluno)
status	varchar(11)	Status que define se a creche tem vagas disponíveis ou não	Not Null

Tabela	Descrição
Aluno	Armazenará as informações da tabela Aluno

Campo	Tipo	Descrição	Observações e Regras
nome_completo	varchar(100)	Nome completo do aluno	Not Null
matricula	varchar(8)	Matrícula do aluno na creche	Not Null; PK
dt_nascimento	date	Data de nascimento do aluno	Not Null; formato: aaaa/mm/dd
sexo	char(1)	Sexo do aluno	Not Null
rua	varchar(100)	Rua onde o aluno mora	Not Null
bairro	varchar(100)	Bairro onde o aluno mora	Not Null
cidade	varchar(100)	Cidade onde o aluno mora	Not Null
tipo_deficiencia	varchar(80)	Tipo de deficiência do aluno	

Tabela	Descrição
Funcionario	Armazenará as informações da tabela Funcionario

Campo	Tipo	Descrição	Observações e Regras
nome	varchar(100)	Nome do funcionário	Not Null
codigo_funcionario	varchar(4)	Código do funcionário	Not Null; PK
senha	varchar(20)	Senha do funcionário	Not Null
cargo	varchar(50)	Cargo do funcionário	Not Null
CNPJ	varchar(14)	CNPJ da creche	Not Null; FK

Tabela	Descrição
responsavel_funcionario	Armazenará as informações de contato entre o responsável e funcionário

Campo	Tipo	Descrição	Observações e Regras
CPF	varchar(11)	CPF do responsável	Not Null; PK; FK(Responsa

			vel)
codigo_funcionario	varchar(4)	Código do funcionário	Not Null; PK; FK(Funcionario)

Tabela	Descrição
telefone_responsavel	Armazenará os telefones de contato do responsável

Campo	Tipo	Descrição	Observações e Regras
telefone	varchar(10)	telefones do responsável	Not Null; PK
CPF	varchar(11)	CPF do responsável	Not Null; FK(Responsavel)

Tabela	Descrição
responsavel_creche	Armazenará as informações entre o responsável e a creche

Campo	Tipo	Descrição	Observações e Regras
CPF	varchar(11)	CPF do responsável	Not Null; PK; FK(Responsavel)
CNPJ	varchar(14)	CNPJ da creche	Not Null; PK; FK(Creche)

2.5 Modelo Físico

2.5.1 Arquivo SQL DDL

```
DROP DATABASE IF EXISTS estudante_feliz;
```

```
CREATE DATABASE estudante_feliz;
```

```
use estudante_feliz;
```

```
CREATE TABLE responsavel (
```

```
nome_completo varchar(100) not null,
```

```
cpf varchar(11) not null primary key,
```

```
email varchar(100) not null,
```

```
rua varchar(100) not null,
```

```
senha varchar(20) not null,
```

```
bairro varchar(100) not null,
```

```
cidade varchar(100) not null,
```

```
uf varchar(2) not null
```

);

```
CREATE TABLE telefone_responsavel (  
    telefone varchar(10) not null,  
    cpf varchar(11) not null,  
    foreign key (cpf) references responsavel (cpf) on delete cascade on update cascade,  
    primary key(telefone)  
);
```

```
CREATE TABLE aluno (  
    nome_completo varchar(100) not null,  
    matricula varchar(8) not null,  
    dt_nascimento date not null,  
    sexo char(1) not null,  
    rua varchar(100) not null,  
    bairro varchar(100) not null,  
    cidade varchar(100) not null,  
    tipo_deficiencia varchar(80),  
    primary key(matricula)  
);
```

```
CREATE TABLE creche (  
    nome varchar(100) not null,  
    razao_social varchar(200) not null,  
    cnpj varchar(14) not null,  
    status varchar(11) not null,
```

```
telefone varchar(10) not null,  
  
rua varchar(100) not null,  
  
bairro varchar(100) not null,  
  
cidade varchar(100) not null,  
  
uf varchar(2) not null,  
  
matricula varchar(8) not null,  
  
primary key (cnpj),  
  
constraint fk_aluno_creche foreign key (matricula) references aluno(matricula) on delete  
cascade on update cascade  
  
);
```

```
CREATE TABLE funcionario (  
  
nome varchar(100) not null,  
  
codigo_funcionario varchar(100) not null,  
  
senha varchar (20) not null,  
  
cargo varchar(50) not null,  
  
cnpj varchar(14) not null,  
  
primary key (codigo_funcionario),  
  
constraint fk_creche_funcionario foreign key (cnpj) references creche (cnpj) on delete  
cascade on update cascade  
  
);
```

```
CREATE TABLE responsavel_funcionario (  
  
cpf varchar(11) not null,  
  
codigo_funcionario varchar(4) not null,  
  
constraint fk_responsavel_responsavel_funcionario foreign key (cpf) references  
responsavel(cpf) on delete cascade on update cascade,  
  
constraint fk_funcionario_responsavel_funcionario foreign key (codigo_funcionario)  
references funcionario(codigo_funcionario) on delete cascade on update cascade,
```

```
constraint pk_responsavel_funcionario primary key (cpf,codigo_funcionario)
```

```
);
```

```
CREATE TABLE responsavel_creche (
```

```
cpf varchar(11) not null,
```

```
cnpj varchar(14) not null,
```

```
primary key (cpf,cnpj),
```

```
constraint fk_responsavel_responsavel_creche foreign key (cpf) references  
responsavel(cpf) on delete cascade on update cascade,
```

```
constraint fk_creche_responsavel_creche foreign key (cnpj) references creche(cnpj) on  
delete cascade on update cascade
```

```
);
```

```
/* Adicionando valores na tabela responsavel */
```

```
INSERT INTO responsavel (nome_completo, cpf, email, rua, senha, bairro, cidade, uf)  
VALUES ('Isaac Martins Pereira', '87651245679', 'isaacmp-89@gmail.com', 'Rua Alba Valdes nº  
87', 'Qwo.o9090', 'Timbi', 'Camaragibe', 'PE');
```

```
INSERT INTO responsavel (nome_completo, cpf, email, rua, senha, bairro, cidade, uf)  
VALUES ('Michele Rodrigues de Souza', '07891719281', 'michele_souza@hotmail.com', 'Rua da  
Paz nº 115', 'Po_90901267', 'Afogados', 'Recife', 'PE');
```

```
INSERT INTO responsavel (nome_completo, cpf, email, rua, senha, bairro, cidade, uf)  
VALUES ('Amanda Gonçalves Oliveira', '08198146732', 'amandago95@gmail.com', 'Rua Padre  
Lemos nº 28', '1230_wwsd', 'Casa Amarela', 'Recife', 'PE');
```

```
INSERT INTO responsavel (nome_completo, cpf, email, rua, senha, bairro, cidade, uf)  
VALUES ('Felipe Queiroz Mattos', '91627912781', 'felipe_queiroz05@gmail.com', 'Rua do  
Imperador nº 22', '9099@12zsdf', 'Dois Irmãos', 'Recife', 'PE');
```

```
INSERT INTO responsavel (nome_completo, cpf, email, rua, senha, bairro, cidade, uf)
VALUES ('Diego Augusto Sabino Moreira', '85671439832', 'diegoasm@gmail.com', 'Rua Paraná
nº 43', 'kgzy-78aswloren18', 'Jardim Brasil', 'Olinda', 'PE');
```

```
/* inserindo valores na tabela telefone_responsavel */
```

```
INSERT INTO telefone_responsavel (telefone, cpf) VALUES ( '99869-2149', '87651245679');
```

```
INSERT INTO telefone_responsavel (telefone, cpf) VALUES ( '98341-0592', '07891719281');
```

```
INSERT INTO telefone_responsavel (telefone, cpf) VALUES ( '99914-7234', '08198146732');
```

```
INSERT INTO telefone_responsavel (telefone, cpf) VALUES ( '98674-1327', '91627912781');
```

```
INSERT INTO telefone_responsavel (telefone, cpf) VALUES ( '98865-4084', '85671439832');
```

```
/* inserindo valores na tabela aluno */
```

```
INSERT INTO aluno (nome_completo, matricula, dt_nascimento, sexo, rua, bairro, cidade,
tipo_deficiencia) VALUES ('Maria Eduarda Silva Oliveira', '01243810', '2017-05-23', 'F', 'Rua
Alba Valdes nº 87', 'Timbi', 'Camaragibe', 'Deficiência Visual');
```

```
INSERT INTO aluno (nome_completo, matricula, dt_nascimento, sexo, rua, bairro, cidade,
tipo_deficiencia) VALUES ('João Vitor Rodrigues de Souza', '15544950', '2018-11-01', 'M', 'Rua
da Paz nº 115', 'Afogados', 'Recife', 'Deficiência Auditiva');
```

```
INSERT INTO aluno (nome_completo, matricula, dt_nascimento, sexo, rua, bairro, cidade,
tipo_deficiencia) VALUES ('Isabela Dias Gonçalves de Oliveira', '14037766', '2016-01-25', 'F',
'Rua Padre Lemos nº 28', 'Casa Amarela', 'Recife', null);
```



```
INSERT INTO aluno (nome_completo, matricula, dt_nascimento, sexo, rua, bairro, cidade, tipo_deficiencia) VALUES ('Matheus Henrique de Queiroz Matos', '13812493', '2016-12-25', 'M', 'Rua do Imperador nº 22', 'Dois Irmãos', 'Recife', null);
```

```
INSERT INTO aluno (nome_completo, matricula, dt_nascimento, sexo, rua, bairro, cidade, tipo_deficiencia) VALUES ('Luciana Peixoto Sabino Moreira', '01272130', '2018-02-02', 'F', 'Rua Paraná nº 43', 'Jardim Brasil', 'Olinda', null);
```

/* inserindo valores na tabela creche */

```
INSERT INTO creche (nome, razao_social, cnpj, status, telefone, rua, bairro, cidade, uf, matricula) VALUES ('Creche Recife 2000', 'Creche Municipal Recife 2000', '26153130186501', 'Disponível', '3355-3776', 'Rua Rio Solimões', 'Areias', 'Recife', 'PE', '01243810');
```

```
INSERT INTO creche (nome, razao_social, cnpj, status, telefone, rua, bairro, cidade, uf, matricula) VALUES ('Creche Esperança', 'Creche Municipal Esperança', '26170736986545', 'Cheia', '3232-7527', 'Rua Leila Félix Karan', 'San Martin', 'Recife', 'PE', '15544950');
```

```
INSERT INTO creche (nome, razao_social, cnpj, status, telefone, rua, bairro, cidade, uf, matricula) VALUES ('Creche Lar da Criança', 'Creche Municipal Lar da Criança', '20836508000131', 'Disponível', '8645-0116', 'Rua Um nº 100', 'Charnequinha', 'Cabo de Santo Agostinho', 'PE', '14037766');
```

```
INSERT INTO creche (nome, razao_social, cnpj, status, telefone, rua, bairro, cidade, uf, matricula) VALUES ('Creche Maria Alice Guerra', 'Creche Municipal Maria Alice Gonçalves Guerra', '21503000696787', 'Disponível', '3027-1474', 'Avenida Josadack Alves de França', 'Santa Mônica', 'Camaragibe', 'PE', '13812493');
```

```
INSERT INTO creche (nome, razao_social, cnpj, status, telefone, rua, bairro, cidade, uf, matricula) VALUES ('Creche Menino Jesus de Casa Forte', 'Creche Beneficente Menino Jesus de Casa Forte', '30149307000121', 'Cheia', '3268-1025', 'Rua Samuel de Farias', 'Casa Forte', 'Recife', 'PE', '01272130');
```

/* inserindo valores na tabela funcionario */

```
INSERT INTO funcionario (nome, codigo_funcionario, senha, cargo, cnpj) VALUES ('Fátima Pereira Gomes', '1', 'azyxs@1267878','Diretora', '26153130186501');
```

```
INSERT INTO funcionario (nome, codigo_funcionario, senha, cargo, cnpj) VALUES ('Carla Fernanda Monteiro', '2', 'oquwt**qw8900', 'Professora', '26170736986545');
```

```
INSERT INTO funcionario (nome, codigo_funcionario, senha, cargo, cnpj) VALUES ('Elias Muniz Bezerra da Silva', '3', 'CDxnx@b34123', 'Secretário', '20836508000131');
```

```
INSERT INTO funcionario (nome, codigo_funcionario, senha, cargo, cnpj) VALUES ('Allysson Breno Ferreira', '4', 'mnzx_4509**', 'Porteiro', '21503000696787');
```

```
INSERT INTO funcionario (nome, codigo_funcionario, senha, cargo, cnpj) VALUES ('Patrícia Silveira Cordeiro', '5', 'aqer_@M1234','Monitora', '30149307000121');
```

```
/* inserindo valores na tabela responsavel_funcionario */
```

```
INSERT INTO responsavel_funcionario (cpf, codigo_funcionario) VALUES ('87651245679', '1');
```

```
INSERT INTO responsavel_funcionario (cpf, codigo_funcionario) VALUES ('07891719281', '2');
```

```
INSERT INTO responsavel_funcionario (cpf, codigo_funcionario) VALUES ('08198146732', '3');
```

```
INSERT INTO responsavel_funcionario (cpf, codigo_funcionario) VALUES ('91627912781', '4');
```

```
INSERT INTO responsavel_funcionario (cpf, codigo_funcionario) VALUES ('85671439832', '5');
```

```
/* inserindo valores na tabela responsavel_creche */
```

```
INSERT INTO responsavel_creche (cpf, cnpj) VALUES ('87651245679', '26153130186501');  
INSERT INTO responsavel_creche (cpf, cnpj) VALUES ('07891719281', '26170736986545');  
INSERT INTO responsavel_creche (cpf, cnpj) VALUES ('08198146732', '20836508000131');  
INSERT INTO responsavel_creche (cpf, cnpj) VALUES ('91627912781', '21503000696787');  
INSERT INTO responsavel_creche (cpf, cnpj) VALUES ('85671439832', '30149307000121');
```

```
/* Relatórios */
```

```
/* 1- Listar os nomes de todos os funcinoários e de seus responsáveis. */
```

```
SELECT fun.nome AS nome_funcionario, res.nome_completo  
FROM funcionario fun, responsavel_funcionario fre, responsavel res  
WHERE fun.codigo_funcionario = fre.codigo_funcionario  
AND res.cpf = fre.cpf;
```

```
/*2- Listar o nome, razão social e o nome do resposável das creches do município de Recife. */
```

```
SELECT cre.nome AS nome_creche, cre.razao_social, res.nome_completo AS  
nome_responsavel  
FROM responsavel res, responsavel_creche rec, creche cre  
WHERE res.cpf = rec.cpf  
AND cre.cnpj = rec.cnpj;
```

```
/* 3- Listar nome completo, data de nascimento e matricula dos alunos sem deficiência. */
```

```
SELECT alu.nome_completo AS nome_aluno, alu.dt_nascimento, alu.matricula  
FROM aluno alu  
WHERE alu.tipo_deficiencia IS NULL;
```

```
/*4- Apresentar a quantidde de funcionarios por creche. */
```

```
SELECT cre.cnpj, cre.nome, COUNT(fun.nome) AS quantidade_funcionario  
FROM creche cre, funcionario fun  
WHERE cre.cnpj = fun.cnpj group by cre.cnpj;
```

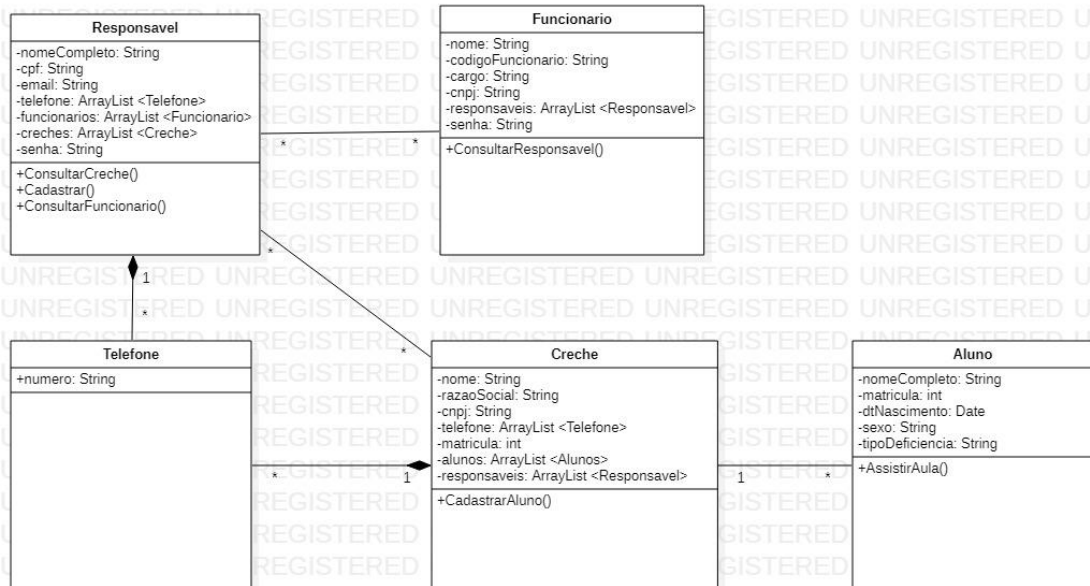
/*5- Informar a quantidade de alunos com deficiência, por creche. */

```
SELECT cre.cnpj, cre.nome, COUNT(nome_completo) AS quantidade_com_deficiencia  
FROM aluno alu left join creche cre  
ON cre.matricula = alu.matricula WHERE alu.tipo_deficiencia IS NOT NULL  
GROUP BY cre.cnpj;
```

3. Análise e Design

3.1. Diagrama de Classes

Diagrama de classes do projeto estudante feliz com todas as classes, atributos, métodos, associação e composições. O diagrama foi feito utilizando a ferramenta star UML.



4. Arquitetura do Software

4.1. Padrão de projeto

View

- TelaResp
- TelaFunc
- TelaLogin
- TelaPrincipal
- PesquisarFunc
- AlterarResp
- TelaAlterarAluno
- PesquisarAluno
- TelaCadastroAluno
- PesquisarCreche
- Contact

4.2 Protótipo

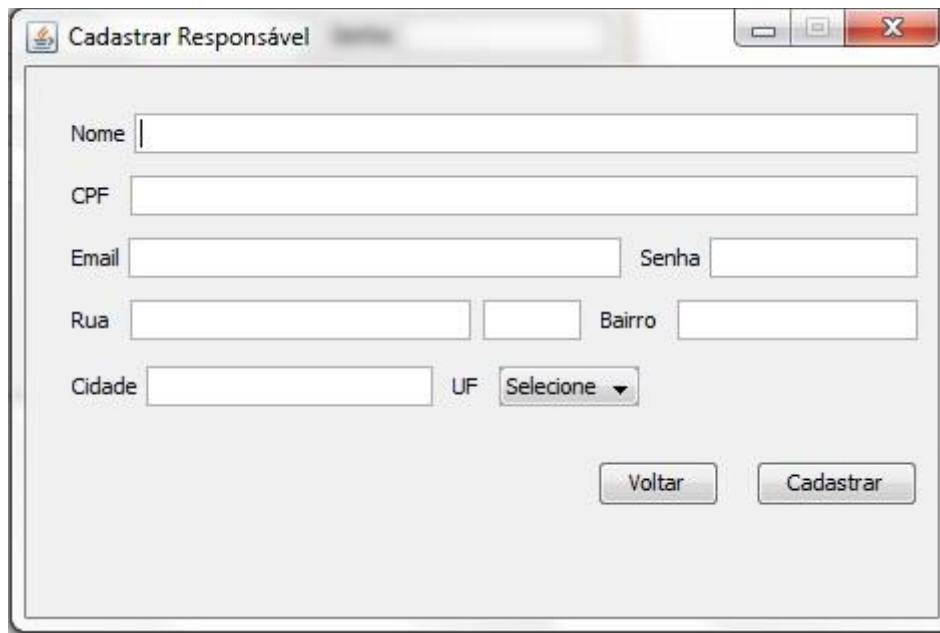
4.2.1. Padrão de projeto

O MVC (Model — View — Controll) é utilizado em muitos projetos devido à arquitetura que possui, o que possibilita a divisão do projeto em camadas muito bem definidas. Cada uma delas, o Model, o Controller e a View, executa o que lhe é definido e nada mais do que isso.

A utilização do padrão MVC trás como benefício isolar as regras de negócios da lógica de apresentação, a interface com o usuário. Isto possibilita a existência de várias interfaces com o usuário que podem ser modificadas sem que haja a necessidade da alteração das regras de negócios, proporcionando assim muito mais flexibilidade e oportunidades de reuso das classes.

Uma das características de um padrão de projeto é poder aplicá-lo em sistemas distintos. O padrão MVC pode ser utilizado em vários tipos de projetos como, por exemplo, desktop, web e mobile.

Cadastrar responsável



The image shows a Java Swing window titled "Cadastrar Responsável". It contains the following fields and controls:

- Nome: A single-line text input field.
- CPF: A single-line text input field.
- Email: A single-line text input field.
- Senha: A single-line text input field.
- Rua: A single-line text input field.
- Bairro: A single-line text input field.
- Cidade: A single-line text input field.
- UF: A dropdown menu with the text "Selecione" and a downward arrow.
- Voltar: A button located at the bottom right.
- Cadastrar: A button located at the bottom right, next to the Voltar button.

Código da classe: /*

* 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 java.util.ArrayList;

import java.util.Arrays;

import javax.swing.JOptionPane;


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

```
    ArrayList <String> campos = new ArrayList <String>();
```

```
    public TelaResp() {  
        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();
```

```
        jLabel2 = new javax.swing.JLabel();
```

```
        jLabel3 = new javax.swing.JLabel();
```

```
jLabel4 = new javax.swing.JLabel();  
jLabel5 = new javax.swing.JLabel();  
jLabel6 = new javax.swing.JLabel();  
jLabel7 = new javax.swing.JLabel();  
jLabel8 = new javax.swing.JLabel();  
jTextFieldNome = new javax.swing.JTextField();  
jTextFieldCPF = new javax.swing.JTextField();  
jTextFieldEmail = new javax.swing.JTextField();  
jPasswordFieldSenha = new javax.swing.JPasswordField();  
jTextFieldRua = new javax.swing.JTextField();  
jTextFieldRuar = new javax.swing.JTextField();  
jTextFieldBairro = new javax.swing.JTextField();  
jTextFieldCidade = new javax.swing.JTextField();  
jComboBoxUf = new javax.swing.JComboBox<>();  
jButtonCadastrar = new javax.swing.JButton();  
jButtonVoltar = new javax.swing.JButton();
```

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

```
setTitle("Cadastrar Responsável");
```

```
setResizable(false);
```

```
jLabel1.setText("Nome");
```

```
jLabel2.setText("CPF");
```

```
jLabel3.setText("Email");
```

```
jLabel4.setText("Senha");
```

```
jLabel5.setText("Rua");
```

```
jLabel6.setText("Bairro");
```

```
jLabel7.setText("Cidade");
```

```
jLabel8.setText("UF");
```

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

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

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

```
jComboBoxUf.setModel(new  
javax.swing.DefaultComboBoxModel<>(new String[] { "Selecione", "PE" }));
```

```
jButtonCadastrar.setText("Cadastrar");  
  
jButtonCadastrar.addActionListener(new  
java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButtonCadastrarActionPerformed(evt);  
    }  
});
```

```
jButtonVoltar.setText("Voltar");  
  
jButtonVoltar.addActionListener(new  
java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButtonVoltarActionPerformed(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(23, 23, 23)

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

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addComponent(jLabel7)

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

                        .addComponent(jTextFieldCidade,
javax.swing.GroupLayout.PREFERRED_SIZE, 143,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

                        .addComponent(jLabel8)

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

```

```

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.TRAILING)

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addComponent(jButtonVoltar)

            .addGap(18, 18, 18)

            .addComponent(jButtonCadastrar))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING, false)

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

            .addComponent(jTextFieldCPF))

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addComponent(jLabel1)

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

            .addComponent(jTextFieldNome,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```
.addGroup(jPanel1Layout.createSequentialGroup()  
    .addComponent(jLabel3)
```

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

```
    .addComponent(jTextFieldEmail,  
        javax.swing.GroupLayout.PREFERRED_SIZE,                246,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

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

```
    .addComponent(jLabel4)
```

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

```
    .addComponent(jPasswordFieldSenha,  
        javax.swing.GroupLayout.PREFERRED_SIZE,                104,  
        javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGroup(jPanel1Layout.createSequentialGroup()  
    .addComponent(jLabel5)
```

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

```
    .addComponent(jTextFieldRua,  
        javax.swing.GroupLayout.PREFERRED_SIZE,                170,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

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

```

        .addComponent(jTextFieldRuar)

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

        .addComponent(jLabel6)

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

        .addComponent(jTextFieldBairro,
javax.swing.GroupLayout.PREFERRED_SIZE,                120,
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())

            .addGap(23, 23, 23)

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

            .addComponent(jLabel1)

            .addComponent(jTextFieldNome,
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.BASELINE)
```

```
    .addComponent(jLabel2)
```

```
    .addComponent(jTextFieldCPF,  
    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.BASELINE)
```

```
    .addComponent(jLabel3)
```

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

```
    .addComponent(jLabel4)
```

```
    .addComponent(jPasswordFieldSenha,  
    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.BASELINE)
```

```
    .addComponent(jLabel5)
```

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

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

```
    .addComponent(jLabel6)
```

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

```
    .addGap(13, 13, 13)
```

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

```
    .addComponent(jLabel7)
```

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

```
    .addComponent(jLabel8)
```

```
    .addComponent(jComboBoxUf,  
        javax.swing.GroupLayout.PREFERRED_SIZE,
```

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

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

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

```
    .addComponent(jButtonCadastrar)
```

```
    .addComponent(jButtonVotar))
```

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

```
);
```

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

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

```
        layout.setHorizontalGroup(
```

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

```
            .addComponent(jPanel1,
```

```
            javax.swing.GroupLayout.DEFAULT_SIZE,
```

```
            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()
```

```
        .addGap(0, 0, Short.MAX_VALUE)
```

```
        .addComponent(jPanel1,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    );
```

```
    pack();
```

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

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

```
    this.campos.add(jTextFieldNome.getText());
```

```
    this.campos.add(jTextFieldCPF.getText());
```

```
    this.campos.add(jTextFieldEmail.getText());
```

```
this.campos.add(Arrays.toString(jPasswordFieldSenha.getPassword()));
```

```
    this.campos.add(jTextFieldRua.getText());
```

```
    this.campos.add(jTextFieldRuar.getText());
```

```
    this.campos.add(jTextFieldBairro.getText());
```

```
    this.campos.add(jTextFieldCidade.getText());
```

```
    this.campos.add(jComboBoxUf.getSelectedItem().toString());
```

```
int qtd = 0;

for(int i = 0; i < 9; i++){

    if(campos.get(i).trim().equals("") || campos.get(i) == null ||
campos.get(i).length() < 0) {

        qtd++;

    }else{

    }

}

if(qtd == 0) {

    JOptionPane.showMessageDialog(this, "Cadastrado com
sucesso");

    this.dispose();

    TelaLogin tlo = new TelaLogin();

    tlo.setVisible(true);

}else{

    JOptionPane.showMessageDialog(this, "Preencha o campo em
branco");
```

```
}
```

```
}
```

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

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

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

```
/**
```

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

```
 */
```

```

public static void main(String args[]) {

    /* Set the Nimbus look and feel */

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

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

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

        */

    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(TelaResp.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(TelaResp.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);

```

```
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(TelaResp.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(TelaResp.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);

    }

//</editor-fold>
```

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

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

    public void run() {

        new TelaResp().setVisible(true);

    }

});

}
```

```
// Variables declaration - do not modify

private javax.swing.JButton jButtonCadastrar;

private javax.swing.JButton jButtonVoltar;

private javax.swing.JComboBox<String> jComboBoxUf;

private javax.swing.JLabel jLabel1;

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.JPanel jPanel1;

private javax.swing.JPasswordField jPasswordFieldSenha;

private javax.swing.JTextField jTextFieldBairro;

private javax.swing.JTextField jTextFieldCPF;

private javax.swing.JTextField jTextFieldCidade;

private javax.swing.JTextField jTextFieldEmail;

private javax.swing.JTextField jTextFieldNome;

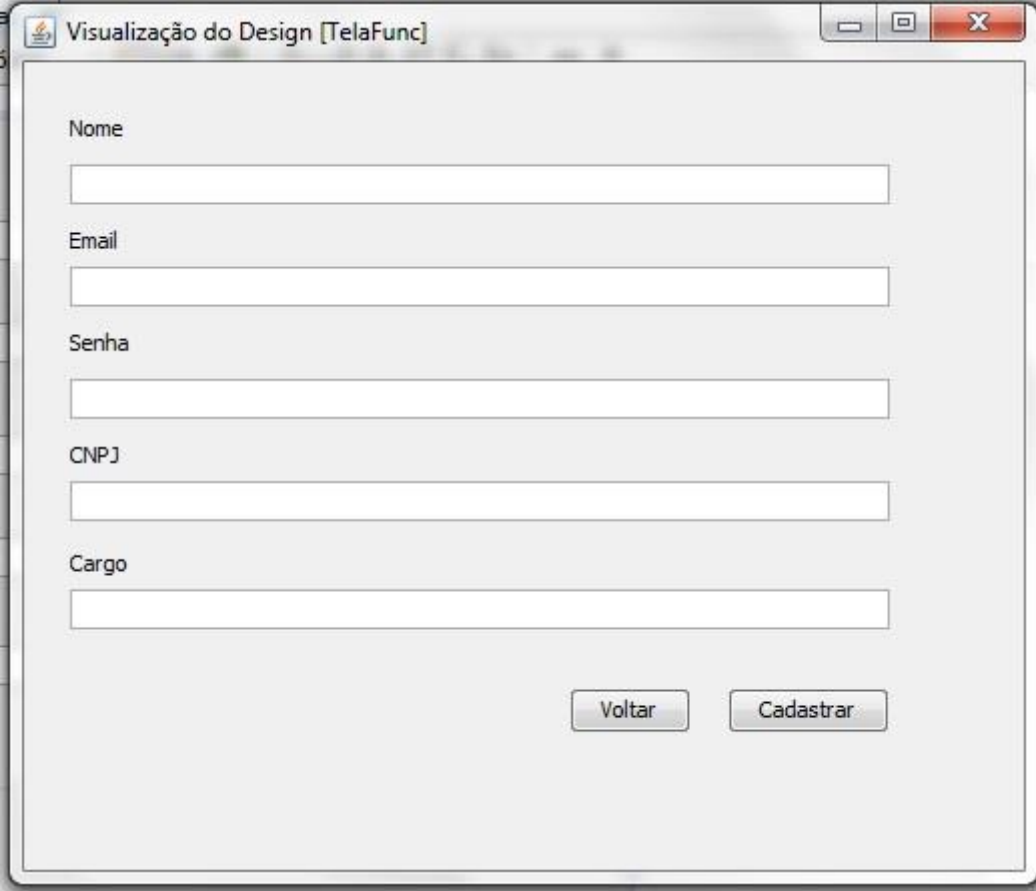
private javax.swing.JTextField jTextFieldRua;

private javax.swing.JTextField jTextFieldRuar;

// End of variables declaration

}
```

Cadastrar funcionário



Visualização do Design [TelaFunc]

Nome

Email

Senha

CNPJ

Cargo

Voltar Cadastrar

Código da classe: /*

* 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 java.util.ArrayList;

import java.util.Arrays;

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

```
/**
```

```
*
```

```
* @author lucas
```

```
*/
```

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

```
    ArrayList <String> campos = new ArrayList <String>();
```

```
    public TelaFunc() {
```

```
        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();  
jLabel3 = new javax.swing.JLabel();  
jLabel4 = new javax.swing.JLabel();  
jTextFieldNome = new javax.swing.JTextField();  
jPasswordFieldSenha = new javax.swing.JPasswordField();  
jLabel2 = new javax.swing.JLabel();  
jLabel5 = new javax.swing.JLabel();  
jTextFieldCargo = new javax.swing.JTextField();  
jButtonCadastrar = new javax.swing.JButton();  
jButtonVoltar = new javax.swing.JButton();  
jFormattedTextFieldCnpj = new javax.swing.JFormattedTextField();  
jTextFieldEmail = new javax.swing.JTextField();
```

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

```
jLabel1.setText("Nome");
```

```
jLabel3.setText("Email");
```

```
jLabel4.setText("Senha");
```

```
jLabel2.setText("CNPJ");
```

```
jLabel5.setText("Cargo");
```

```
jButtonCadastrar.setText("Cadastrar");
```

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

```
jButtonVoltar.setText("Voltar");
```

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

```
jTextFieldEmail.addActionListener(new  
java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jTextFieldEmailActionPerformed(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(23, 23, 23)
```

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

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

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

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

```
.addComponent(jButtonVoltar)
```

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

```
.addComponent(jButtonCadastrar))
```

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

```

        .addComponent(jLabel5)

        .addComponent(jLabel2)

        .addComponent(jLabel4)

        .addComponent(jTextFieldCargo,
javax.swing.GroupLayout.DEFAULT_SIZE, 409, Short.MAX_VALUE)

        .addComponent(jFormattedTextFieldCnpj)))

    .addGap(0, 0, Short.MAX_VALUE))

    .addGroup(jPanel1Layout.createSequentialGroup())

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.A
ignment.TRAILING, false)

        .addComponent(jTextFieldEmail)

        .addComponent(jLabel1,
javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jTextFieldNome,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 409, Short.MAX_VALUE)

        .addComponent(jPasswordFieldSenha,
javax.swing.GroupLayout.DEFAULT_SIZE, 409, Short.MAX_VALUE)

        .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.LEADING))

        .addContainerGap(67, Short.MAX_VALUE))))

    );

    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

```

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

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

```
.addComponent(jLabel1)
```

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

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

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

```
.addComponent(jLabel3)
```

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

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

```
.addGap(11, 11, 11)
```

```
.addComponent(jLabel4)
```

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

```
.addComponent(jPasswordFieldSenha,  
javax.swing.GroupLayout.PREFERRED_SIZE,
```



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

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA  
TED)
```

```
    .addComponent(jLabel2)
```

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

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

```
    .addGap(14, 14, 14)
```

```
    .addComponent(jLabel5)
```

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

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

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE  
D, 29, Short.MAX_VALUE)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.AL  
ignment.BASELINE)
```

```
    .addComponent(jButtonCadastrar)
```

```

        .addComponent(jButtonVoltar)))

    );

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

        .addComponent(jPanel1,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

    layout.setVerticalGroup(

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

        .addGroup(layout.createSequentialGroup()

            .addComponent(jPanel1,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(0, 68, Short.MAX_VALUE))

        );

    pack();

} // </editor-fold>

```

```

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

    this.campos.add(jTextFieldNome.getText());

    this.campos.add(jFormattedTextFieldCnpj.getText());

    this.campos.add(Arrays.toString(jPasswordFieldSenha.getPassword()));

    this.campos.add(jTextFieldEmail.getText());

    this.campos.add(jTextFieldCargo.getText());


    int qtd = 0;

    for(int i = 0; i < 5; i++){

        if(campos.get(i).trim().equals("") || campos.get(i) == null ||
campos.get(i).length() < 0) {

            qtd++;

        }else{

        }

    }

    if(qtd == 0) {

```

```
        JOptionPane.showMessageDialog(this, "Cadastrado com  
sucesso");
```

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

```
        TelaLogin tlo = new TelaLogin();
```

```
        tlo.setVisible(true);
```

```
    }else{
```

```
        JOptionPane.showMessageDialog(this, "Preencha o campo em  
branco");
```

```
    }
```

```
}
```

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

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

```
    }
```

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

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

```
    }
```

```
/**
```

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

```

*/

public static void main(String args[]) {

    /* Set the Nimbus look and feel */

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

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

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

    */

    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(TelaFunc.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

```

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

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

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

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

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

```
    }
```

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

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

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

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

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

```
    }
```

```
});
```

```
}
```

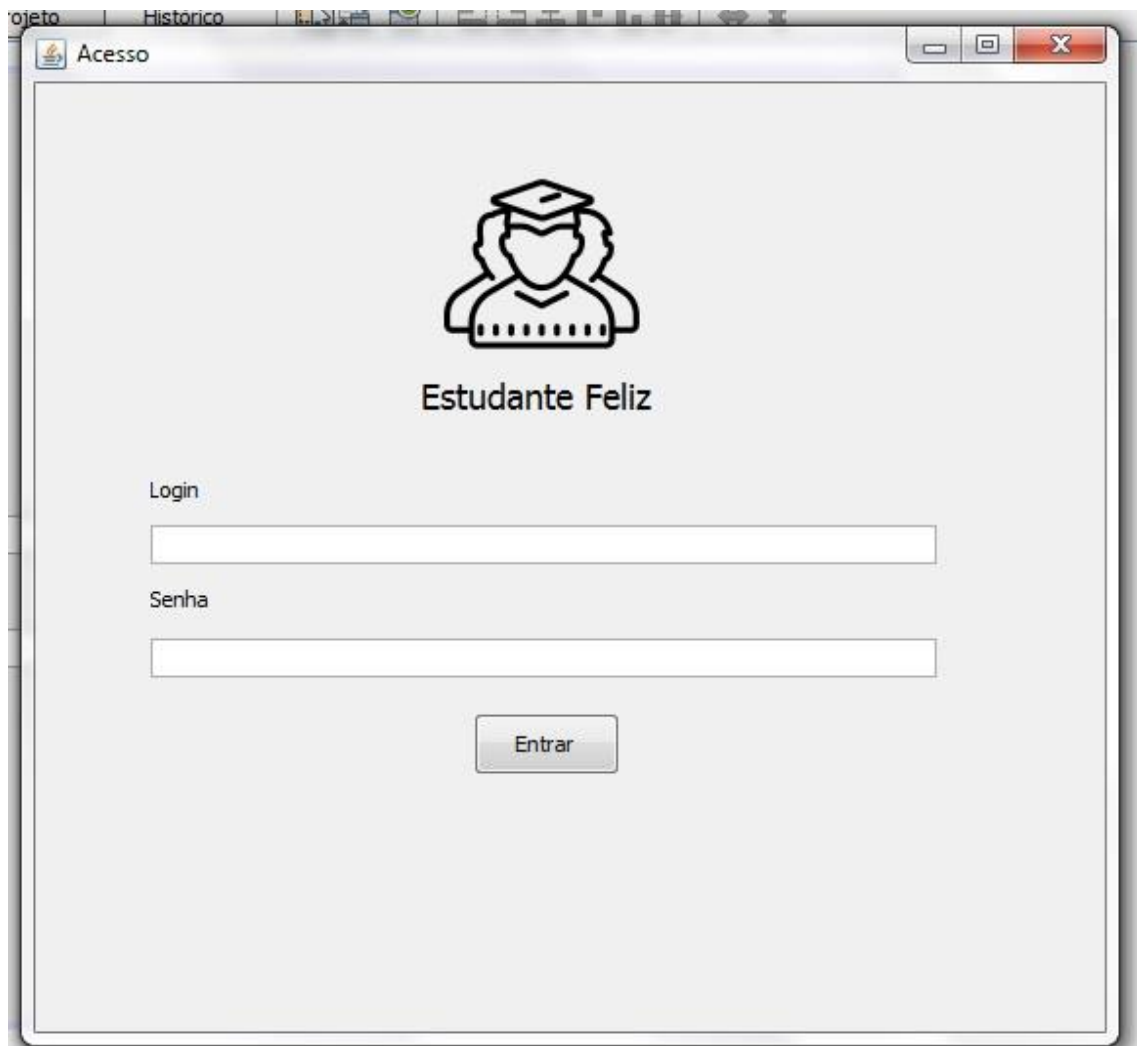
```
// Variables declaration - do not modify
```

```
private javax.swing.JButton jButtonCadastrar;
```

```
private javax.swing.JButton jButtonVoltar;
```

```
private javax.swing.JFormattedTextField jFormattedTextFieldCnpj;  
  
private javax.swing.JLabel jLabel1;  
  
private javax.swing.JLabel jLabel2;  
  
private javax.swing.JLabel jLabel3;  
  
private javax.swing.JLabel jLabel4;  
  
private javax.swing.JLabel jLabel5;  
  
private javax.swing.JPanel jPanel1;  
  
private javax.swing.JPasswordField jPasswordFieldSenha;  
  
private javax.swing.JTextField jTextFieldCargo;  
  
private javax.swing.JTextField jTextFieldEmail;  
  
private javax.swing.JTextField jTextFieldNome;  
  
// End of variables declaration  
  
}
```

Login



Código da classe: /*

* 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 javax.swing.JOptionPane;
```

```
/**
```

```
*
```

```
* @author lucas
```

```
*/
```

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

```
/**
```

```
* Creates new form TelaLogin
```

```
*/
```

```
public TelaLogin() {
```

```
    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() {
```

```
    jButton1 = new javax.swing.JButton();
```

```
    jLabel4 = new javax.swing.JLabel();
```

```
    jPanel2 = new javax.swing.JPanel();
```

```
    jLabel3 = new javax.swing.JLabel();
```

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

```
    jLabel1 = new javax.swing.JLabel();
```

```
    txtSenha = new javax.swing.JPasswordField();
```

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

```
    jLabel2 = new javax.swing.JLabel();
```

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

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

```
    setTitle("Acesso");
```

```
    jLabel4.setIcon(new  
        javax.swing.ImageIcon(getClass().getResource("/images/logo.png")));    //  
    NOI18N
```

```
    jLabel3.setText("Login");
```

```
jLabel1.setText("Senha");
```

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

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

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

```
        btnEntrarActionPerformed(evt);
```

```
    }
```

```
});
```

```
        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(59, 59, 59)
```

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

```
                .addComponent(jLabel1)
```

```
                .addComponent(jLabel3)
```

```
                .addComponent(txtLogin)
```

```

        .addComponent(txtSenha,
javax.swing.GroupLayout.DEFAULT_SIZE, 402, Short.MAX_VALUE)

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

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

        .addGap(162, 162, 162)))

        .addContainerGap(86, Short.MAX_VALUE))

    );

    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGap(19, 19, 19)

        .addComponent(jLabel3)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

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

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

        .addComponent(jLabel1)

```

```

        .addGap(13, 13, 13)

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

        .addGap(18, 18, 18)

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

        .addContainerGap(105, Short.MAX_VALUE))

    );

    jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel2.setText("Estudante Feliz");

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

        .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addGroup(layout.createSequentialGroup()

```

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

```
    .addGroup(layout.createSequentialGroup()
```

```
        .addGap(209, 209, 209)
```

```
        .addComponent(jLabel4))
```

```
    .addGroup(layout.createSequentialGroup()
```

```
        .addGap(197, 197, 197)
```

```
        .addComponent(jLabel2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 126,  
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()
```

```
        .addGap(45, 45, 45)
```

```
        .addComponent(jLabel4)
```

```
        .addGap(4, 4, 4)
```

```
        .addComponent(jLabel2)
```

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

```
        .addComponent(jPanel2,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
        .addGap(26, 26, 26))  
    );
```

```
    pack();  
    setLocationRelativeTo(null);  
} // </editor-fold>
```

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

```
    TelaPrincipal telaprincipal = new 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.ht
ml

    */

    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(TelaLogin.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

```



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

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

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

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

```
java.util.logging.Logger.getLogger(TelaLogin.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 TelaLogin().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

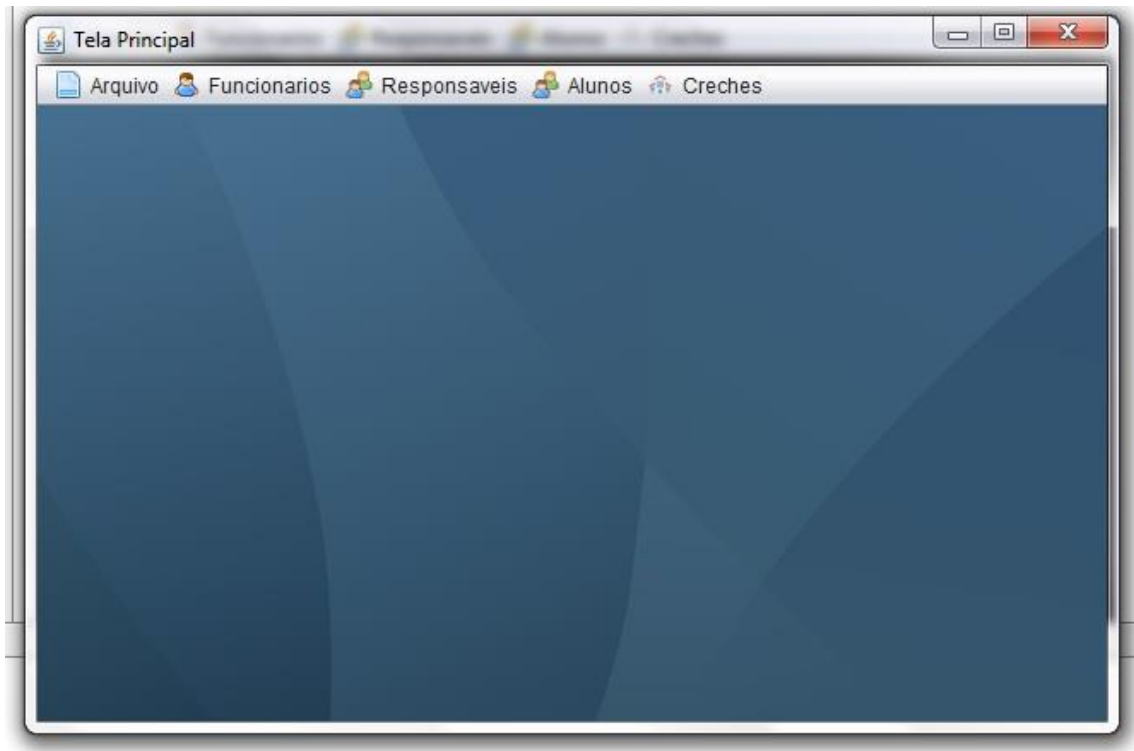
```
// Variables declaration - do not modify
```

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

```
private javax.swing.JButton jButton1;
```

```
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JLabel jLabel4;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JTextField txtLogin;  
private javax.swing.JPasswordField txtSenha;  
// End of variables declaration  
}
```

Tela Principal



Código da classe: /*

* 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 lucas
```

```
*/
```

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

```
/**
```

```
* Creates new form TelaPrincipal
```

```
*/
```

```
public TelaPrincipal() {
```

```
    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() {
```

```
jDesktopPane1 = new javax.swing.JDesktopPane();  
jMenuBar1 = new javax.swing.JMenuBar();  
jMenuArquivo = new javax.swing.JMenu();  
jMenuItemSair = new javax.swing.JMenuItem();  
jMenuFuncionario = new javax.swing.JMenu();  
jMenuItemPesquisarFunc = new javax.swing.JMenuItem();  
jMenuResponsaveis = new javax.swing.JMenu();  
jMenuItemAlterarResp = new javax.swing.JMenuItem();  
jMenuAlunos = new javax.swing.JMenu();  
jMenuItemAlterarAlunos = new javax.swing.JMenuItem();  
jMenuItemPesquisarAluno = new javax.swing.JMenuItem();  
jMenuItemCadastrarAluno = new javax.swing.JMenuItem();  
jMenu5 = new javax.swing.JMenu();  
jMenuItemPesquisarCreche = new javax.swing.JMenuItem();
```

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

```
setTitle("Tela Principal");
```

```
javax.swing.GroupLayout    jDesktopPane1Layout    =    new  
javax.swing.GroupLayout(jDesktopPane1);  
  
jDesktopPane1.setLayout(jDesktopPane1Layout);  
  
jDesktopPane1Layout.setHorizontalGroup(
```

```
jDesktopPane1Layout.createParallelGroup(javax.swing.GroupLayout.Align  
ment.LEADING)
```

```
    .addGap(0, 625, Short.MAX_VALUE)
```

```
);
```

```
jDesktopPane1Layout.setVerticalGroup(
```

```
jDesktopPane1Layout.createParallelGroup(javax.swing.GroupLayout.Align  
ment.LEADING)
```

```
    .addGap(0, 360, Short.MAX_VALUE)
```

```
);
```

```
    jMenuArquivo.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/images/page.png")));    //  
NOI18N
```

```
    jMenuArquivo.setText("Arquivo");
```

```
    jMenuItemSair.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/images/door_out.png")));  
// NOI18N
```

```
    jMenuItemSair.setText("Sair");
```

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

```

});

jMenuArquivo.add(jMenuItemSair);


jMenuBar1.add(jMenuArquivo);


jMenuFuncionario.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/user.png")));    //
NOI18N

jMenuFuncionario.setText("Funcionarios");


jMenuItemPesquisarFunc.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/zoom.png")));    //
NOI18N

jMenuItemPesquisarFunc.setText("Pesquisar");

jMenuItemPesquisarFunc.addActionListener(new
java.awt.event.ActionListener() {

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

        jMenuItemPesquisarFuncActionPerformed(evt);

    }

});

jMenuFuncionario.add(jMenuItemPesquisarFunc);


jMenuBar1.add(jMenuFuncionario);

```

```
jMenuResponsaveis.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/images/group.png"))); //  
NOI18N
```

```
jMenuResponsaveis.setText("Responsaveis");
```

```
jMenuItemAlterarResp.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/images/user_edit.png")));  
// NOI18N
```

```
jMenuItemAlterarResp.setText("Alterar");
```

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

```
jMenuResponsaveis.add(jMenuItemAlterarResp);
```

```
jMenuBar1.add(jMenuResponsaveis);
```

```
jMenuAlunos.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/images/group.png"))); //  
NOI18N
```

```
jMenuAlunos.setText("Alunos");
```

```
jMenuAlunos.addActionListener(new  
java.awt.event.ActionListener() {  
  
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```



```
jMenuAlunosActionPerformed(evt);  
}  
});
```

```
jMenuItemAlterarAlunos.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/images/user_edit.png")));  
// NOI18N
```

```
jMenuItemAlterarAlunos.setText("Alterar");
```

```
jMenuItemAlterarAlunos.addActionListener(new  
java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jMenuItemAlterarAlunosActionPerformed(evt);  
    }  
});  
  
jMenuAlunos.add(jMenuItemAlterarAlunos);
```

```
jMenuItemPesquisarAluno.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/images/zoom.png"))); //  
NOI18N
```

```
jMenuItemPesquisarAluno.setText("Pesquisar");
```

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

```

});

jMenuAlunos.add(jMenuItemPesquisarAluno);


jMenuItemCadastrarAluno.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/user_add.png")));
// NOI18N

jMenuItemCadastrarAluno.setText("Cadastrar");

jMenuItemCadastrarAluno.addActionListener(new
java.awt.event.ActionListener() {

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

        jMenuItemCadastrarAlunoActionPerformed(evt);

    }

});

jMenuAlunos.add(jMenuItemCadastrarAluno);


jMenuBar1.add(jMenuAlunos);


jMenu5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/creche.png"))); //
NOI18N

jMenu5.setText("Creches");


jMenuItemPesquisarCreche.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/zoom.png"))); //
NOI18N

jMenuItemPesquisarCreche.setText("Pesquisar");

```

```

        jMenuItemPesquisarCreche.addActionListener(new
java.awt.event.ActionListener() {

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

                jMenuItemPesquisarCrecheActionPerformed(evt);

            }

        });

jMenu5.add(jMenuItemPesquisarCreche);


jMenuBar1.add(jMenu5);


setJMenuBar(jMenuBar1);


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

        getContentPane().setLayout(layout);

        layout.setHorizontalGroup(

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

                .addComponent(jDesktopPane1)

        );

        layout.setVerticalGroup(

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

                .addComponent(jDesktopPane1)

        );

```

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

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

```
    PesquisarFunc pesquisafunc = new PesquisarFunc();  
    jDesktopPane1.add(pesquisafunc);  
    pesquisafunc.setVisible(true);  
  
}
```

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

```
    TelaAlterarAluno taa = new TelaAlterarAluno();  
    jDesktopPane1.add(taa);  
    taa.setVisible(true);
```

```
}
```

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

```
    PesquisarAluno pesquisaAlu = new PesquisarAluno();
```

```
    jDesktopPane1.add(pesquisaAlu);
```

```
    pesquisaAlu.setVisible(true);
```

```
}
```

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

```
    PesquisarCreche pesquisacreche = new PesquisarCreche();
```

```
    jDesktopPane1.add(pesquisacreche);
```

```
    pesquisacreche.setVisible(true);
```

```
}
```

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

```
    AlterarResp alteraresp = new AlterarResp();
```

```
    jDesktopPane1.add(alteraresp);
```

```
    alteraresp.setVisible(true);
```

```
}
```

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

```
    PesquisarAluno alteraAlu = new PesquisarAluno();
```

```
    jDesktopPane1.add(alteraAlu);
```

```
    alteraAlu.setVisible(true);
```

```
}
```

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

```

TelaCadastroAluno tca = new TelaCadastroAluno();

jDesktopPane1.add(tca);

tca.setVisible(true);

}

```

```

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

```

```

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">

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

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

    */

```

```

        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.
                util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

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

        } catch (IllegalAccessException ex) {

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

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

        }
    }
}
//</editor-fold>

```

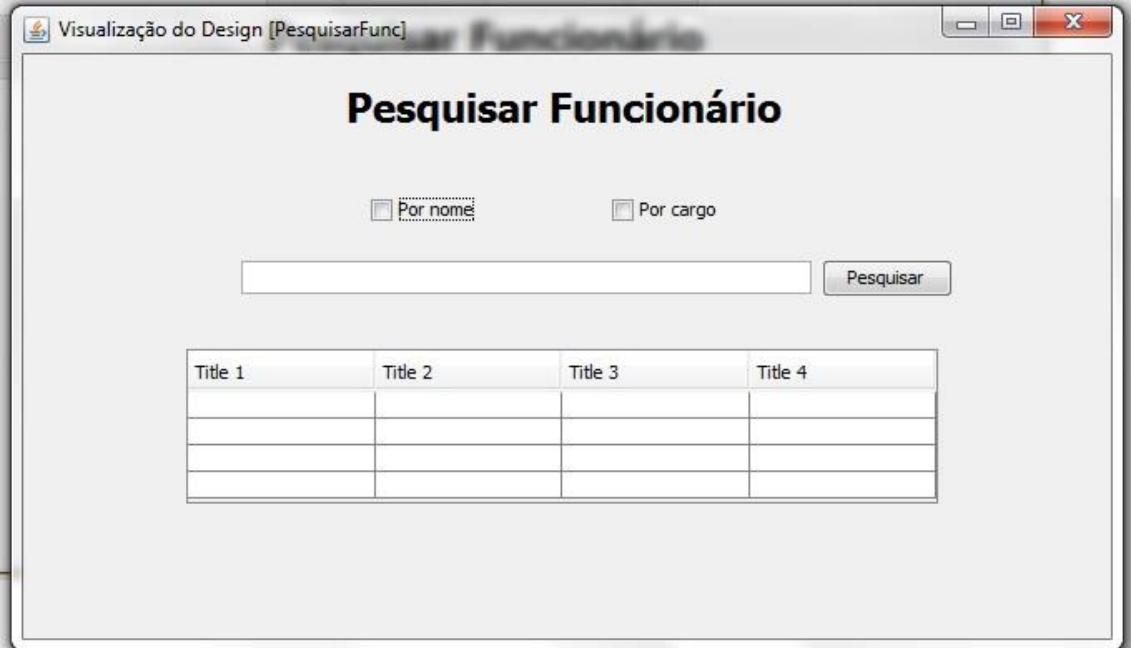


```
/* Create and display the form */  
  
java.awt.EventQueue.invokeLater(new Runnable() {  
    public void run() {  
        new TelaPrincipal().setVisible(true);  
    }  
});  
}
```

```
// Variables declaration - do not modify  
  
public static javax.swing.JDesktopPane jDesktopPane1;  
  
private javax.swing.JMenu jMenu5;  
  
private javax.swing.JMenu jMenuAlunos;  
  
private javax.swing.JMenu jMenuArquivo;  
  
private javax.swing.JMenuBar jMenuBar1;  
  
private javax.swing.JMenu jMenuFuncionario;  
  
private javax.swing.JMenuItem jMenuItemAlterarAlunos;  
  
private javax.swing.JMenuItem jMenuItemAlterarResp;  
  
private javax.swing.JMenuItem jMenuItemCadastrarAluno;  
  
private javax.swing.JMenuItem jMenuItemPesquisarAluno;  
  
private javax.swing.JMenuItem jMenuItemPesquisarCreche;  
  
private javax.swing.JMenuItem jMenuItemPesquisarFunc;  
  
private javax.swing.JMenuItem jMenuItemSair;
```

```
private javax.swing.JMenu jMenuItemResponsaveis;  
// End of variables declaration  
}
```

Pesquisar funcionário



Visualização do Design [PesquisarFunc]

Pesquisar Funcionário

☐ Por nome ☐ Por cargo

Pesquisar

Title 1	Title 2	Title 3	Title 4

Código da classe: /*

* 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 javax.swing.JOptionPane;

/**

*

```

* @author lucas

*/

public class PesquisarFunc extends javax.swing.JInternalFrame {

    /**
     * Creates new form PesquisarFunc
     */
    public PesquisarFunc() {
        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();
        jCheckBoxPorNome = new javax.swing.JCheckBox();

```

```
jCheckBoxPorCargo = new javax.swing.JCheckBox();  
  
jScrollPane1 = new javax.swing.JScrollPane();  
  
jTableTabela_Func = new javax.swing.JTable();  
  
jTextFieldCampoPesquisa = new javax.swing.JTextField();  
  
jButtonPesquisar = new javax.swing.JButton();  
  
jLabel1 = new javax.swing.JLabel();
```

```
setClosable(true);
```

```
jCheckBoxPorNome.setText("Por nome");
```

```
jCheckBoxPorCargo.setText("Por cargo");
```

```
jTableTabela_Func.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"  
    }  
)
```

```

));

jTableTabela_Func.addMouseListener(new
java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        jTableTabela_FuncMouseClicked(evt);

    }

});

jScrollPane1.setViewPortView(jTableTabela_Func);

jButtonPesquisar.setText("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(98, 98, 98)

```

```

        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE,          452,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addGap(205, 205, 205)

        .addComponent(jCheckBoxPorNome)

        .addGap(74, 74, 74)

        .addComponent(jCheckBoxPorCargo))

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addGap(131, 131, 131)

        .addComponent(jTextFieldCampoPesquisa,
javax.swing.GroupLayout.PREFERRED_SIZE,          343,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

        .addComponent(jButtonPesquisar)))

        .addContainerGap(95, Short.MAX_VALUE))

    );

    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addGap(25, 25, 25)

```

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

```
    .addComponent(jCheckBoxPorNome)
```

```
    .addComponent(jCheckBoxPorCargo))
```

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

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

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

```
    .addComponent(jButtonPesquisar))
```

```
    .addGap(31, 31, 31)
```

```
    .addComponent(jScrollPane1,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 93,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addContainerGap(81, Short.MAX_VALUE))
```

```
);
```

```
jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
```

```
jLabel1.setText("Pesquisar Funcionário");
```

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

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



```

        layout.setHorizontalGroup(

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

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addGroup(layout.createSequentialGroup())

        .addGap(194, 194, 194)

        .addComponent(jLabel1)

        .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())

        .addGap(0, 17, Short.MAX_VALUE)

        .addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

    );

```

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

```
private void  
jTableTabela_FuncMouseClicked(java.awt.event.MouseEvent evt) {  
  
    JOptionPane.showConfirmDialog(this, "Deseja enviar uma  
mensagem para o funcionário?");  
  
}
```

```
// Variables declaration - do not modify  
  
private javax.swing.JButton jButtonPesquisar;  
  
private javax.swing.JCheckBox jCheckBoxPorCargo;  
  
private javax.swing.JCheckBox jCheckBoxPorNome;  
  
private javax.swing.JLabel jLabel1;  
  
private javax.swing.JPanel jPanel1;  
  
private javax.swing.JScrollPane jScrollPane1;  
  
private javax.swing.JTable jTableTabela_Func;
```

```
private javax.swing.JTextField jTextFieldCampoPesquisa;  
  
// End of variables declaration  
  
}
```

Campo de mensagem



Código da classe: /*

* 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 javax.swing.JOptionPane;

/**

*

* @author lucas

*/

public class Contact extends javax.swing.JInternalFrame {

```
/**  
 * Creates new form Contact  
 */
```

```
public Contact() {  
    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();
```

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

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

```
    setClosable(true);
```

```
setTitle("Campo de mensagem");
```

```
jLabel1.setText("Mensagem:");
```

```
jButtonEnviarMensagem.setText("Enviar");
```

```
jButtonEnviarMensagem.addActionListener(new  
java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButtonEnviarMensagemActionPerformed(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(41, 41, 41)
```

```
        .addComponent(jLabel1)
```

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

```
        .addComponent(jTextFieldEscreverMensagem,  
javax.swing.GroupLayout.PREFERRED_SIZE,          379,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

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

```
        .addComponent(jButtonEnviarMensagem)
```

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

```
    );
```

```
    jPanel1Layout.setVerticalGroup(  

```

```
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE  
ADING)
```

```
        .addGroup(jPanel1Layout.createSequentialGroup()  

```

```
            .addGap(32, 32, 32)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.A  
lignment.BASELINE)
```

```
        .addComponent(jLabel1)
```

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

```
        .addComponent(jButtonEnviarMensagem))
```

```
        .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)

            .addComponent(jPanel1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

        layout.setVerticalGroup(

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

            .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

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

```

```

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

    JOptionPane.showMessageDialog(this, "Mensagem enviada!");
}

```

```
}
```

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

```
private javax.swing.JButton jButtonEnviarMensagem;
```

```
private javax.swing.JLabel jLabel1;
```

```
private javax.swing.JPanel jPanel1;
```

```
private javax.swing.JTextField jTextFieldEscreverMensagem;
```

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

```
}
```


Alterar responsável

Visualização do Design [AlterarResp]

Alterar dados do responsável

Nome

CPF

Email Senha

Rua Bairro

Cidade UF

Código da classe: /*

* 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 java.util.ArrayList;

import java.util.Arrays;

import javax.swing.JOptionPane;

```
/**
```

```
*
```

```
* @author lucas
```

```
*/
```

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

```
    ArrayList <String> campos = new ArrayList <String>();
```

```
    public AlterarResp() {
```

```
        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();
jPanel2 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jTextFieldAlterarNome = new javax.swing.JTextField();
jPasswordFieldAlterarSenha = new javax.swing.JPasswordField();
jTextFieldAlterarRua = new javax.swing.JTextField();
jTextFieldAlterarRuar = new javax.swing.JTextField();
jTextFieldAlterarBairro = new javax.swing.JTextField();
jTextFieldAlterarCidade = new javax.swing.JTextField();
jComboBoxUf_Uf = new javax.swing.JComboBox<>();
jButtonSalvar = new javax.swing.JButton();
jButtonVoltar = new javax.swing.JButton();
jFormattedTextFieldAlterarCpf = new
javax.swing.JFormattedTextField();
jTextFieldAlterarEmail = new javax.swing.JTextField();
jLabel10 = new javax.swing.JLabel();
```

```
setClosable(true);
```

```
jLabel1.setText("Nome");
```

```
jLabel2.setText("CPF");
```

```
jLabel3.setText("Email");
```

```
jLabel4.setText("Senha");
```

```
jLabel5.setText("Rua");
```

```
jLabel6.setText("Bairro");
```

```
jLabel7.setText("Cidade");
```

```
jLabel8.setText("UF");
```

```
jComboBoxUf_Uf.setModel(new  
javax.swing.DefaultComboBoxModel<>(new String[] { "PE" }));
```

```
jButtonSalvar.setText("Salvar");
```

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

```

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

            jButtonSalvarActionPerformed(evt);

        }

    });

    jButtonVoltar.setText("Voltar");

    jButtonVoltar.addActionListener(new
java.awt.event.ActionListener() {

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

            jButtonVoltarActionPerformed(evt);

        }

    });

    try {

        jFormattedTextFieldAlterarCpf.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("###.###.###-##"));

    } catch (java.text.ParseException ex) {

        ex.printStackTrace();

    }

    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())
```

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

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```
        .addGap(38, 38, 38)
```

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

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```
        .addComponent(jButtonVoltar)
```

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

```
        .addComponent(jButtonSalvar))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

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

```
    .addComponent(jLabel2)
```

```
    .addComponent(jLabel3)
```

```
    .addComponent(jLabel5))
```

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

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

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addComponent(jTextFieldAlterarRua,
javax.swing.GroupLayout.PREFERRED_SIZE, 170,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

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

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

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

```
    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
        .addComponent(jTextFieldAlterarEmail,
javax.swing.GroupLayout.PREFERRED_SIZE, 246,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

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

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

```
.addGroup(jPanel2Layout.createSequentialGroup()
```

```
    .addComponent(jLabel4)
```

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

```
        .addComponent(jPasswordFieldAlterarSenha,  
javax.swing.GroupLayout.DEFAULT_SIZE, 109, Short.MAX_VALUE))
```

```
.addGroup(jPanel2Layout.createSequentialGroup())
```

```
        .addComponent(jLabel6)
```

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

```
        .addComponent(jTextFieldAlterarBairro)))
```

```
        .addGap(0, 0, Short.MAX_VALUE))
```

```
        .addComponent(jFormattedTextFieldAlterarCpf))))))
```

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

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

```
        .addGap(35, 35, 35)
```

```
        .addComponent(jLabel1)
```

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

```
        .addComponent(jTextFieldAlterarNome,  
javax.swing.GroupLayout.PREFERRED_SIZE, 391,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```



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

```
        .addGap(29, 29, 29)
```

```
        .addComponent(jLabel7)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA  
TED)
```

```
        .addComponent(jTextFieldAlterarCidade,  
javax.swing.GroupLayout.PREFERRED_SIZE,                143,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA  
TED)
```

```
        .addComponent(jLabel8)
```

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

```
        .addComponent(jComboBoxUf_Uf,  
javax.swing.GroupLayout.PREFERRED_SIZE,                59,  
javax.swing.GroupLayout.PREFERRED_SIZE))))
```

```
        .addGap(59, 59, 59))
```

```
    );
```

```
jPanel2Layout.setVerticalGroup(
```

```
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE  
ADING)
```

```
        .addGroup(jPanel2Layout.createSequentialGroup())
```

```
        .addGap(23, 23, 23)
```

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

```
    .addComponent(jLabel1)
```

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

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

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

```
    .addComponent(jLabel2)
```

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

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

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

```
    .addComponent(jLabel3)
```

```
    .addComponent(jLabel4)
```

```
    .addComponent(jPasswordFieldAlterarSenha,  
        javax.swing.GroupLayout.PREFERRED_SIZE,
```

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

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

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA  
TED)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali  
gnment.BASELINE)
```

```
        .addComponent(jLabel5)
```

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

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

```
        .addComponent(jLabel6)
```

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

```
        .addGap(13, 13, 13)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali  
gnment.BASELINE)
```

```

        .addComponent(jLabel7)

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

        .addComponent(jLabel8)

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

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, 16, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.BASELINE)

        .addComponent(jButtonSalvar)

        .addComponent(jButtonVoltar))

.addGap(55, 55, 55))

);

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel10.setText("Alterar dados do responsável");

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()

        .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addContainerGap())

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

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

            .addComponent(jLabel10)

            .addGap(87, 87, 87))

    );

jPanel1Layout.setVerticalGroup(

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

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

        .addGap(0, 37, Short.MAX_VALUE)

        .addComponent(jLabel10)

```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA  
TED)
```

```
        .addComponent(jPanel2,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
    );
```

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

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

```
        layout.setHorizontalGroup(
```

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

```
        .addComponent(jPanel1,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
    );
```

```
        layout.setVerticalGroup(
```

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

```
        .addComponent(jPanel1,  
javax.swing.GroupLayout.Alignment.TRAILING,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
    );
```

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

```
private void  
jButtonSalvarActionPerformed(java.awt.event.ActionEvent evt) {  
  
    this.campos.add(jTextFieldAlteraNome.getText());  
  
    this.campos.add(jFormattedTextFieldAlteruCpf.getText());  
  
    this.campos.add(jTextFieldAlterEmail.getText());  
  
    this.campos.add(Arrays.toString(jPasswordFieldAlterSenha.getPassword(  
    )));  
  
    this.campos.add(jTextFieldAlterRua.getText());  
  
    this.campos.add(jTextFieldAlterRuar.getText());  
  
    this.campos.add(jTextFieldAlterBairro.getText());  
  
    this.campos.add(jTextFieldAlterCidade.getText());  
  
    this.campos.add(jComboBoxUf_Uf.getSelectedItem().toString());  
  
    int qtd = 0;  
  
    for(int i = 0; i < 9; i++){  
        if(campos.get(i).trim().equals("") || campos.get(i) == null ||  
campos.get(i).length() < 0) {  
            qtd++;  
        }  
    }  
}
```

```

        }else{

        }

    }

    if(qtd == 0) {

        JOptionPane.showMessageDialog(this, "Alterado com sucesso");

    }else{

        JOptionPane.showMessageDialog(this, "Preencha o campo em
branco");

    }

}

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

    this.dispose();

}

// Variables declaration - do not modify

private javax.swing.JButton jButtonSalvar;

private javax.swing.JButton jButtonVoltar;

```



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

private javax.swing.JFormattedTextField
jFormattedTextFieldAlterarCpf;

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.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPasswordField jPasswordFieldAlterarSenha;

private javax.swing.JTextField jTextFieldAlterarBairro;

private javax.swing.JTextField jTextFieldAlterarCidade;

private javax.swing.JTextField jTextFieldAlterarEmail;

private javax.swing.JTextField jTextFieldAlterarNome;

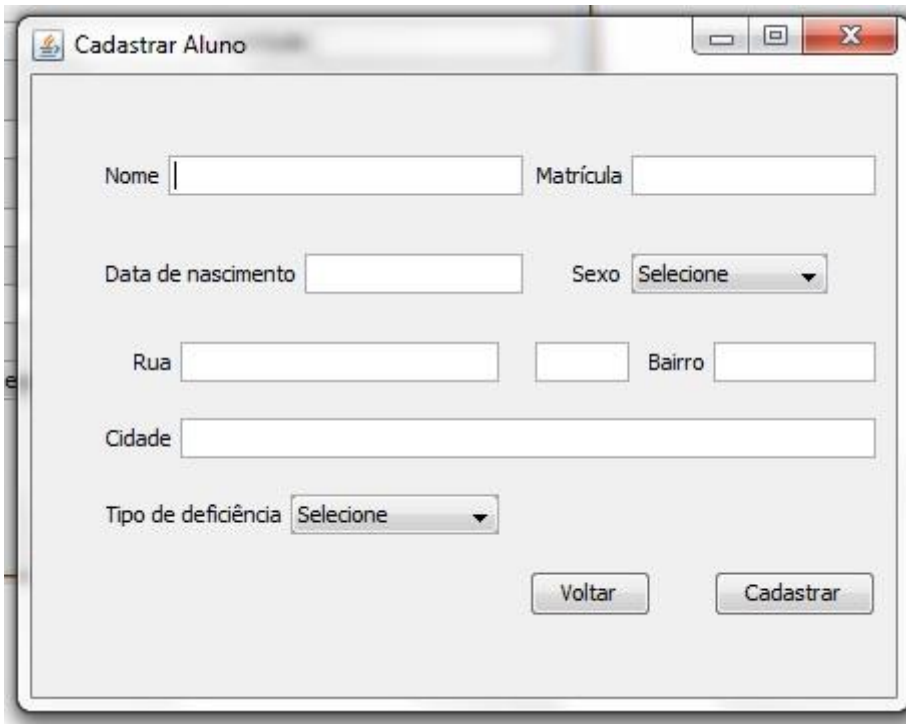
private javax.swing.JTextField jTextFieldAlterarRua;

private javax.swing.JTextField jTextFieldAlterarRuar;

// End of variables declaration

}
```

Cadastrar aluno



The image shows a Java Swing window titled "Cadastrar Aluno". It contains the following fields and controls:

- Nome: Text input field
- Matrícula: Text input field
- Data de nascimento: Text input field
- Sexo: Dropdown menu with "Selecione" as the selected option
- Rua: Text input field
- Bairro: Text input field
- Cidade: Text input field
- Tipo de deficiência: Dropdown menu with "Selecione" as the selected option
- Voltar: Button
- Cadastrar: Button

Código da classe: /*

* 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 java.util.ArrayList;

import javax.swing.JOptionPane;

/**

*

```
* @author lucas
```

```
*/
```

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

```
    ArrayList <String> campos = new ArrayList <String>();
```

```
    public TelaCadastroAluno() {
```

```
        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();
```

```
        jLabel2 = new javax.swing.JLabel();
```

```
jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jTextFieldNome = new javax.swing.JTextField();

jTextFieldMatricula = new javax.swing.JTextField();

jComboBoxSexo = new javax.swing.JComboBox<>();

jTextFieldRua = new javax.swing.JTextField();

jTextFieldBairro = new javax.swing.JTextField();

jTextFieldCidade = new javax.swing.JTextField();

jButtonCadastrar = new javax.swing.JButton();

jButtonVoltar = new javax.swing.JButton();

jTextFieldRuar = new javax.swing.JTextField();

jComboBoxTipo_Deficiencia = new javax.swing.JComboBox<>();

jFormattedTextField_DtNascimento = new
javax.swing.JFormattedTextField();

setClosable(true);

setTitle("Cadastrar Aluno");

jLabel1.setText("Nome");
```

```
jLabel2.setText("Matrícula");
```

```
jLabel3.setText("Data de nascimento");
```

```
jLabel4.setText("Sexo");
```

```
jLabel5.setText("Rua");
```

```
jLabel6.setText("Bairro");
```

```
jLabel7.setText("Cidade");
```

```
jLabel8.setText("Tipo de deficiência");
```

```
jComboBoxSexo.setModel(new  
javax.swing.DefaultComboBoxModel<>(new String[] { "Selecione", "M",  
"F" }));
```

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

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

```
        jButtonCadastrar.setText("Cadastrar");  
  
        jButtonCadastrar.addActionListener(new  
java.awt.event.ActionListener() {  
  
        public void actionPerformed(java.awt.event.ActionEvent evt) {  
  
            jButtonCadastrarActionPerformed(evt);  
  
        }  
  
    });
```

```
        jButtonVoltar.setText("Voltar");  
  
        jButtonVoltar.addActionListener(new  
java.awt.event.ActionListener() {  
  
        public void actionPerformed(java.awt.event.ActionEvent evt) {  
  
            jButtonVoltarActionPerformed(evt);  
  
        }  
  
    });
```

```
jComboBoxTipo_Deficiencia.setModel(new  
javax.swing.DefaultComboBoxModel<>(new String[] { "Selecione",  
"Auditiva", "Visual", "Paraplégica", "Outro", "Nenhuma" }));
```

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

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

```
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(37, 37, 37)
```

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

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

```
        .addComponent(jLabel8)
```

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

```
    .addComponent(jComboBoxTipo_Deficiencia,
        javax.swing.GroupLayout.PREFERRED_SIZE, 104,
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(0, 0, Short.MAX_VALUE))
```

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

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

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

```
    .addComponent(jLabel5)
```

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



```
        .addComponent(jTextFieldRua,  
javax.swing.GroupLayout.PREFERRED_SIZE,          159,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(12, 12, 12))
```

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

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

```
        .addComponent(jLabel1)
```

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

```
        .addComponent(jTextFieldNome))
```

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

```
        .addComponent(jLabel3)
```

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

```
.addComponent(jFormattedTextField_DtNascimento,  
javax.swing.GroupLayout.DEFAULT_SIZE, 109, Short.MAX_VALUE)))
```

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

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

```
            .addGap(7, 7, 7)
```

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

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

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

```
    .addComponent(jLabel4))
```

```
    .addComponent(jLabel2))
```

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

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

```
    .addComponent(jTextFieldMatricula,  
javax.swing.GroupLayout.PREFERRED_SIZE, 122,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(jComboBoxSexo,  
javax.swing.GroupLayout.PREFERRED_SIZE, 98,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

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

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

```
    .addComponent(jTextFieldRuar)
```

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

```

        .addComponent(jLabel6)

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

        .addComponent(jTextFieldBairro,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel1Layout.createSequentialGroup()

        .addComponent(jLabel7)

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

        .addComponent(jTextFieldCidade))))

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

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

        .addComponent(jButtonVoltar)

        .addGap(31, 31, 31)

        .addComponent(jButtonCadastrar)))

        .addContainerGap())

    );

    jPanel1Layout.setVerticalGroup(

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

```

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

```
.addGap(40, 40, 40)
```

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

```
.addComponent(jLabel1)
```

```
.addComponent(jLabel2)
```

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

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

```
.addGap(29, 29, 29)
```

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

```
.addComponent(jLabel3)
```

```
.addComponent(jLabel4)
```

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

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

```
.addGap(24, 24, 24)
```

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

```
    .addComponent(jLabel5)
```

```
    .addComponent(jLabel6)
```

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

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

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

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

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

```
    .addComponent(jLabel7)
```

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

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

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

```
    .addComponent(jLabel8)
```

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

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

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

```
    .addComponent(jButtonVoltar)
```

```
    .addComponent(jButtonCadastrar))
```

```
    .addContainerGap(40, Short.MAX_VALUE))
```

```
);
```

```
jComboBoxSexo.setAccessibleContext().setAccessibleName("");
```

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

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

```
layout.setHorizontalGroup(
```

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

```

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

        layout.setVerticalGroup(

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

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );

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

```

```

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

    // TODO add your handling code here:

}

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

    // TODO add your handling code here:

}

```

```

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

    this.campos.add(jTextFieldNome.getText());
    this.campos.add(jTextFieldMatricula.getText());
    this.campos.add(jFormattedTextField_DtNascimento.getText());
    this.campos.add(jComboBoxSexo.getSelectedItem().toString());
    this.campos.add(jTextFieldRua.getText());
    this.campos.add(jTextFieldBairro.getText());
    this.campos.add(jTextFieldCidade.getText());
    this.campos.add(jTextFieldRuar.getText());

    this.campos.add(jComboBoxTipo_Deficiencia.getSelectedItem().toString())
;

    int qtd = 0;

    for(int i = 0; i < 9; i++){

        if(campos.get(i).trim().equals("") || campos.get(i) == null ||
campos.get(i).length() < 0) {

            qtd++;

        }else{

        }

    }
}

```



```
}
```

```
if(qtd == 0) {
```

```
    JOptionPane.showMessageDialog(this, "Cadastrado com  
sucesso");
```

```
}else{
```

```
    JOptionPane.showMessageDialog(this, "Preencha o campo em  
branco");
```

```
}
```

```
}
```


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

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

```
// Variables declaration - do not modify  
  
private javax.swing.JButton jButtonCadastrar;  
  
private javax.swing.JButton jButtonVoltar;  
  
private javax.swing.JComboBox<String> jComboBoxSexo;  
  
private javax.swing.JComboBox<String> jComboBoxTipo_Deficiencia;  
  
private javax.swing.JFormattedTextField  
jFormattedTextField_DtNascimento;  
  
private javax.swing.JLabel jLabel1;  
  
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.JPanel jPanel1;  
  
private javax.swing.JTextField jTextFieldBairro;
```

```
private javax.swing.JTextField jTextFieldCidade;  
  
private javax.swing.JTextField jTextFieldMatricula;  
  
private javax.swing.JTextField jTextFieldNome;  
  
private javax.swing.JTextField jTextFieldRua;  
  
private javax.swing.JTextField jTextFieldRuar;  
  
// End of variables declaration  
  
}
```

Alterar aluno



The screenshot shows a Java Swing window titled "Alterar dados do aluno". The window has a title bar with standard OS controls (minimize, maximize, close). The main content area has a title "Alterar dados do aluno" in bold. Below the title, there are several input fields and dropdown menus for editing student data. The fields are arranged in a grid-like fashion. At the bottom right, there are two buttons: "Voltar" (Back) and "Salvar" (Save).

Field Label	Field Type	Value / State
Nome	Text Field	
Matricula	Text Field	
Data de nascimento	Text Field	/ /
Sexo	Dropdown Menu	Selecione
Rua	Text Field	
Bairro	Text Field	
Cidade	Text Field	
Tipo de deficiência	Dropdown Menu	Selecione

Código da classe: /*

- * 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 java.util.ArrayList;  
import javax.swing.JOptionPane;  
  
/**  
 *  
 * @author lucas  
 */  
public class TelaAlterarAluno extends javax.swing.JInternalFrame {  
  
    ArrayList <String> campos = new ArrayList <String>();  
  
    public TelaAlterarAluno() {  
        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();
```

```
    jLabel2 = new javax.swing.JLabel();
```

```
    jLabel3 = new javax.swing.JLabel();
```

```
    jLabel4 = new javax.swing.JLabel();
```

```
    jLabel5 = new javax.swing.JLabel();
```

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

```
    jLabel7 = new javax.swing.JLabel();
```

```
    jLabel8 = new javax.swing.JLabel();
```

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

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

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

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

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

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

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

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

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

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

```
jFormattedTextFieldAlterar_DtNascimento = new  
javax.swing.JFormattedTextField();
```

```
jLabel9 = new javax.swing.JLabel();
```

```
setClosable(true);
```

```
setTitle("Alterar dados do aluno");
```

```
jLabel1.setText("Nome");
```

```
jLabel2.setText("Matrícula");
```

```
jLabel3.setText("Data de nascimento");
```

```
jLabel4.setText("Sexo");
```

```
jLabel5.setText("Rua");
```

```
jLabel6.setText("Bairro");
```

```
jLabel7.setText("Cidade");
```

```
jLabel8.setText("Tipo de deficiência");
```

```
jComboBoxAlterSexo.setModel(new  
javax.swing.DefaultComboBoxModel<>(new String[] { "Selecione", "M",  
"F" }));
```

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

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

```
jButtonSalvar.setText("Salvar");  
  
jButtonSalvar.addActionListener(new  
java.awt.event.ActionListener() {  
  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
  
        jButtonSalvarActionPerformed(evt);  
  
    }  
  
});
```

```

jButtonVoltar.setText("Voltar");

jButtonVoltar.addActionListener(new
java.awt.event.ActionListener() {

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

        jButtonVoltarActionPerformed(evt);

    }

});

jComboBoxAltera_TipoDeficiencia.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "Selecione",
"Auditiva", "Visual", "Paraplégica", "Outro", "Nenhuma" }));

try {

jFormattedTextFieldAltera_DtNascimento.setFormatterFactory(new
javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("####/##/##")));

} catch (java.text.ParseException ex) {

    ex.printStackTrace();

}

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel9.setText("Alterar dados do aluno");

```



```

        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()

                        .addGroup(jPanel1Layout.createSequentialGroup()

                            .addGap(37, 37, 37)

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

                            .addGroup(jPanel1Layout.createSequentialGroup()

                                .addGroup(jPanel1Layout.createSequentialGroup()

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

                                .addComponent(jComboBoxAlterar_TipoDeficiencia,
javax.swing.GroupLayout.PREFERRED_SIZE, 104,
javax.swing.GroupLayout.PREFERRED_SIZE)

                                    .addGap(0, 0, Short.MAX_VALUE))

                                .addGroup(jPanel1Layout.createSequentialGroup()

```

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

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

```
.addComponent(jLabel5)
```

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

```

        .addComponent(jTextFieldAlterarRua,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```
.addGap(12, 12, 12))
```

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

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

```
.addComponent(jLabel1)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATIVE);
```

```
.addComponent(jTextFieldAlterNome))
```

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

```
.addComponent(jLabel3)
```

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

```
.addComponent(jFormattedTextFieldAlterar_DtNascimento,  
javax.swing.GroupLayout.DEFAULT_SIZE, 258, Short.MAX_VALUE))))
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali  
gnment.TRAILING, false)
```

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

```
        .addGap(7, 7, 7)
```

```
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali  
gnment.LEADING)
```

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

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

```
            .addComponent(jLabel4))
```

```
        .addComponent(jLabel2))
```

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

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali  
gnment.LEADING)
```

```
    .addComponent(jTextFieldAlterarMatricula,  
javax.swing.GroupLayout.PREFERRED_SIZE, 122,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(jComboBoxAlterSexo,  
javax.swing.GroupLayout.PREFERRED_SIZE,          86,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

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

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

```
        .addComponent(jTextFieldAlterarRuar)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA  
TED)
```

```
        .addComponent(jLabel6)
```

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

```
        .addComponent(jTextFieldAlterarBairro,  
javax.swing.GroupLayout.PREFERRED_SIZE,          81,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

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

```
        .addComponent(jLabel7)
```

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

```
        .addComponent(AlterarCidade)))
```

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

```

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

        .addComponent(jButtonVoltar)

        .addGap(31, 31, 31)

        .addComponent(jButtonSalvar)))

.addContainerGap())

.addGroup(jPanel1Layout.createSequentialGroup())

        .addGap(152, 152, 152)

        .addComponent(jLabel9)

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

    );

    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addContainerGap()

        .addComponent(jLabel9)

        .addGap(32, 32, 32)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)

        .addComponent(jLabel1)

        .addComponent(jLabel2)

```

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

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

```
        .addGap(29, 29, 29)
```

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

```
        .addComponent(jLabel3)
```

```
        .addComponent(jLabel4)
```

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

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

```
        .addGap(24, 24, 24)
```

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

```
        .addComponent(jLabel5)
```

```
        .addComponent(jLabel6)
```

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

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

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

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

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali  
gnment.BASELINE)
```

```
        .addComponent(jLabel7)
```

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

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

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali  
gnment.BASELINE)
```

```
        .addComponent(jLabel8)
```

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

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

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

```
.addComponent(jButtonVoltar)
```

```
.addComponent(jButtonSalvar))
```

```
.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)
```

```
.addComponent(jPanel1,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE,
```

```
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(14, Short.MAX_VALUE)
```



```
        .addComponent(jPanel1,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
  
    );
```

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

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

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

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

```
    this.campos.add(jTextFieldAlterNome.getText());
```

```
    this.campos.add(jTextFieldAlterMatricula.getText());
```

```
this.campos.add(jFormattedTextFieldAlterDtNascimento.getText());
```

```

this.campos.add(jComboBoxAlterarSexo.getSelectedItem().toString());

    this.campos.add(jTextFieldAlterarRua.getText());

    this.campos.add(jTextFieldAlterarBairro.getText());

    this.campos.add(AlterarCidade.getText());

    this.campos.add(jTextFieldAlterarRuar.getText());


this.campos.add(jComboBoxAlterar_TipoDeficiencia.getSelectedItem().toString());


    int qtd = 0;


    for(int i = 0; i < 9; i++){

        if(campos.get(i).trim().equals("") || campos.get(i) == null || campos.get(i).length() < 0) {

            qtd++;


        }else{

        }

    }


    if(qtd == 0) {

        JOptionPane.showMessageDialog(this, "Dados alterados");
    }

```

```
        }else{

            JOptionPane.showMessageDialog(this, "Preencha o campo em
branco");

        }

    }

}
```

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

            this.dispose();

        }

}
```

```
// Variables declaration - do not modify

private javax.swing.JTextField AlteraCidade;

private javax.swing.JButton jButtonSalvar;

private javax.swing.JButton jButtonVoltar;

private javax.swing.JComboBox<String>
jComboBoxAlterar_TipoDeficiencia;

private javax.swing.JComboBox<String> jComboBoxAlterarSexo;

private javax.swing.JFormattedTextField
jFormattedTextFieldAlterar_DtNascimento;

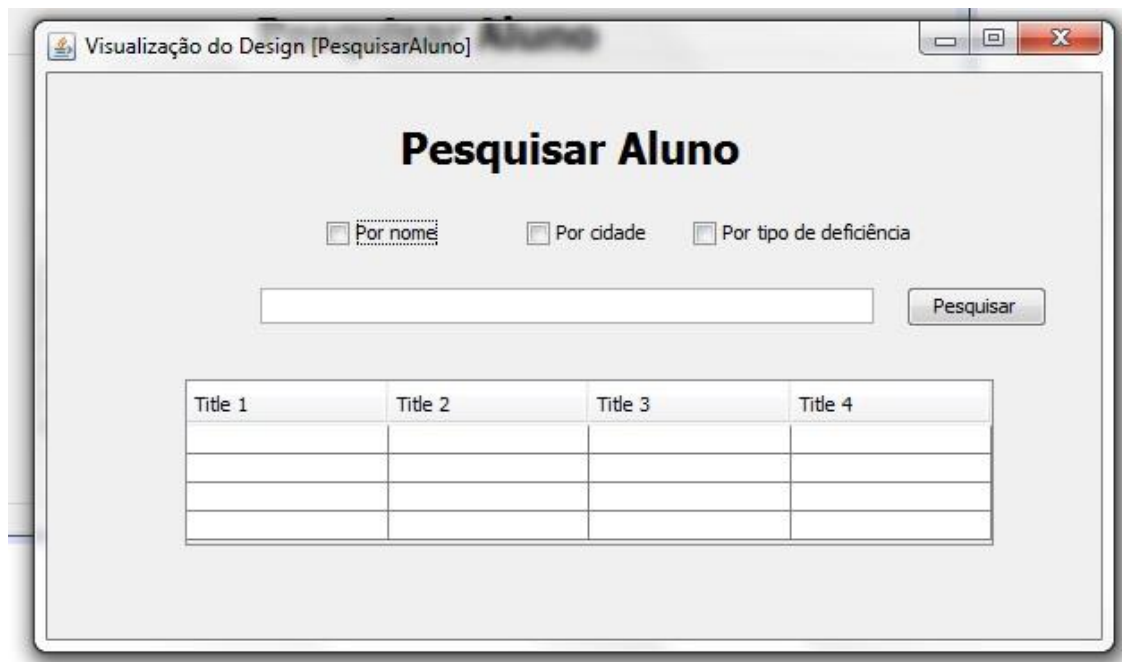
private javax.swing.JLabel jLabel1;

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.JPanel jPanel1;  
private javax.swing.JTextField jTextFieldAlterarMatricula;  
private javax.swing.JTextField jTextFieldAlterarNome;  
private javax.swing.JTextField jTextFieldAlterarRua;  
private javax.swing.JTextField jTextFieldAlterarRuar;  
private javax.swing.JTextField jTextFieldAlterarBairro;  
// End of variables declaration  
}
```

Pesquisar aluno



Código da classe: /*

* 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 lucas

*/

public class PesquisarAluno extends javax.swing.JInternalFrame {

```
/**  
 * Creates new form PesquisarAluno  
 */
```

```
public PesquisarAluno() {  
    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();
```

```
    jCheckBoxPorNome = new javax.swing.JCheckBox();
```

```
    jCheckBoxPorCidade = new javax.swing.JCheckBox();
```

```
    jScrollPane1 = new javax.swing.JScrollPane();
```

```
    jTableTabelaPesquisa = new javax.swing.JTable();
```

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

```
jButtonPesquisarAluno = new javax.swing.JButton();  
jCheckBoxPorTipoDefi = new javax.swing.JCheckBox();  
jLabel1 = new javax.swing.JLabel();
```

```
setClosable(true);
```

```
jCheckBoxPorNome.setText("Por nome");
```

```
jCheckBoxPorCidade.setText("Por cidade");
```

```
jTableTabelaPesquisa.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(jTableTabelaPesquisa);
```

```
jButtonPesquisarAluno.setText("Pesquisar");
```

```
jCheckBoxPorTipoDefi.setText("Por tipo de deficiência");
```

```
        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(152, 152, 152)
```

```
                        .addComponent(jCheckBoxPorNome)
```

```
                        .addGap(41, 41, 41)
```

```
                        .addComponent(jCheckBoxPorCidade)
```

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

```
                        .addComponent(jCheckBoxPorTipoDefi))
```

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

```
                    .addGap(119, 119, 119)
```



```

        .addComponent(jTextFieldCampoPesquisa,
javax.swing.GroupLayout.PREFERRED_SIZE,          343,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18)

        .addComponent(jButtonPesquisarAluno)))

        .addContainerGap(20, Short.MAX_VALUE))

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

        .addGap(0, 0, Short.MAX_VALUE)

        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE,          452,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(50, 50, 50))

    );

    jPanel1Layout.setVerticalGroup(

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

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addGap(25, 25, 25)

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

        .addComponent(jCheckBoxPorNome)

        .addComponent(jCheckBoxPorCidade)

        .addComponent(jCheckBoxPorTipoDefi))

```

```

        .addGap(18, 18, 18)

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

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

            .addComponent(jButtonPesquisarAluno))

        .addGap(29, 29, 29)

        .addComponent(jScrollPane1,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)

        .addContainerGap(41, Short.MAX_VALUE))

    );

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
    jLabel1.setText("Pesquisar Aluno");

    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(197, 197, 197)

        .addComponent(jLabel1)

        .addContainerGap(202, Short.MAX_VALUE))

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

        .addGroup(layout.createSequentialGroup()

            .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addContainerGap()))

);

layout.setVerticalGroup(

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

        .addGroup(layout.createSequentialGroup()

            .addGap(27, 27, 27)

            .addComponent(jLabel1)

            .addContainerGap(260, Short.MAX_VALUE))

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

        .addGroup(layout.createSequentialGroup()

            .addGap(53, 53, 53)

            .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>
```

```
// Variables declaration - do not modify  
  
private javax.swing.JButton jButtonPesquisarAluno;  
private javax.swing.JCheckBox jCheckBoxPorCidade;  
private javax.swing.JCheckBox jCheckBoxPorNome;  
private javax.swing.JCheckBox jCheckBoxPorTipoDefi;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JTable jTableTabelaPesquisa;  
private javax.swing.JTextField jTextFieldCampoPesquisa;  
  
// End of variables declaration  
  
}
```

Pesquisar creche

The screenshot shows a Java Swing window titled "Pesquisar Creche" with a subtitle "Visualização do Design [PesquisarCreche]". The window contains a search interface with four radio buttons: "Por nome" (selected), "Por status", "Por bairro", and "Por Cidade". Below these is a text input field and a "Pesquisar" button. At the bottom, there is a table with four columns labeled "Title 1", "Title 2", "Title 3", and "Title 4". The table has five rows, with the first row containing the column headers and the subsequent four rows being empty.

Title 1	Title 2	Title 3	Title 4

Código da classe: /*

* 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 javax.swing.JOptionPane;

```
/**
```

```
*
```

```
* @author lucas
```

```
*/
```

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

```
/**
```

```
* Creates new form PesquisarCreche
```

```
*/
```

```
public PesquisarCreche() {
```

```
    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();  
  
jCheckBoxPorNome = new javax.swing.JCheckBox();  
  
jCheckBoxPorStatus = new javax.swing.JCheckBox();  
  
jTextFieldCampoPesquisa = new javax.swing.JTextField();  
  
jButtonPesquisarCreche = new javax.swing.JButton();  
  
jCheckBoxPorBairro = new javax.swing.JCheckBox();  
  
jCheckBoxPorCidade = new javax.swing.JCheckBox();  
  
jScrollPane2 = new javax.swing.JScrollPane();  
  
jTablePesquisarCreche = new javax.swing.JTable();  
  
jLabel1 = new javax.swing.JLabel();
```

```
setClosable(true);
```

```
jCheckBoxPorNome.setText("Por nome");
```

```
jCheckBoxPorStatus.setText("Por status");
```

```
jButtonPesquisarCreche.setText("Pesquisar");
```

```
jCheckBoxPorBairro.setText("Por bairro");
```

```
jCheckBoxPorCidade.setText("Por Cidade");
```

```

jTablePesquisarCreche.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"
    }
));

jTablePesquisarCreche.addMouseListener(new
java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jTablePesquisarCrecheMouseClicked(evt);
    }
});

jScrollPane2.setViewportViewView(jTablePesquisarCreche);

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(119, 119, 119)
```

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

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

```
        .addComponent(jCheckBoxPorNome)
```

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

```
    .addComponent(jCheckBoxPorStatus)
```

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

```
    .addComponent(jCheckBoxPorBairro)
```

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

```
    .addComponent(jCheckBoxPorCidade)
```

```
        .addGap(85, 85, 85))
```

```

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addComponent(jTextFieldCampoPesquisa,
javax.swing.GroupLayout.PREFERRED_SIZE,          355,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

        .addComponent(jButtonPesquisarCreche))))

.addGroup(jPanel1Layout.createSequentialGroup())

.addGap(60, 60, 60)

.addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE,          562,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addContainerGap(69, Short.MAX_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

.addGroup(jPanel1Layout.createSequentialGroup())

.addGap(25, 25, 25)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)

.addComponent(jCheckBoxPorNome)

.addComponent(jCheckBoxPorStatus)

.addComponent(jCheckBoxPorBairro)

```

```

        .addComponent(jCheckBoxPorCidade))

        .addGap(18, 18, 18)

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

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

        .addComponent(jButtonPesquisarCreche))

        .addGap(61, 61, 61)

        .addComponent(jScrollPane2,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        96,

        .addContainerGap(278, Short.MAX_VALUE))

    );

    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
    jLabel1.setText("Pesquisar Creche");

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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

```

```

        .addComponent(jPanel1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addGroup(layout.createSequentialGroup()

            .addGap(225, 225, 225)

            .addComponent(jLabel1)

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

    );

    layout.setVerticalGroup(

        layout.createSequentialGroup()

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

                .addGap(0, 36, Short.MAX_VALUE)

                .addComponent(jLabel1)

                .addGap(18, 18, 18)

                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGap(28, 28, 28))

            );

    pack();

```

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

```
private void  
jTablePesquisarCrecheMouseClicked(java.awt.event.MouseEvent evt) {
```

```
    JOptionPane.showConfirmDialog(this, "Deseja matricular o  
aluno?");
```

```
}
```

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

```
private javax.swing.JButton jButtonPesquisarCreche;  
private javax.swing.JCheckBox jCheckBoxPorBairro;  
private javax.swing.JCheckBox jCheckBoxPorCidade;  
private javax.swing.JCheckBox jCheckBoxPorNome;  
private javax.swing.JCheckBox jCheckBoxPorStatus;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JScrollPane jScrollPane2;  
private javax.swing.JTable jTablePesquisarCreche;  
private javax.swing.JTextField jTextFieldCampoPesquisa;  
  
// End of variables declaration
```

}

Tela inicial: Na tela inicial do programa terá dois botões de cadastro, um para o pai da criança ou o responsável dela se cadastrar e o outro para o funcionário de determinada creche se cadastrar no sistema.

TelaResp: Tela de cadastro do responsável , onde o mesmo deve preencher todos os campos com os seus dados.

TelaFunc: Tela de cadastro do funcionário, onde o mesmo deve preencher todos os campos com os seus respectivos dados e alguns dados da creche onde ele trabalha, ex: cnpj e cargo.

TelaLogin: Depois do usuário ter realizado o cadastro ele será redirecionado a uma tela de login onde os mesmos devem digitar o login e a senha.

TelaPrincipal: Depois de ter feito o login o usuário será redirecionado para a tela principal do sistema onde tem vários itens de menu como: arquivos, funcionários, responsáveis, alunos e creches. Cada item terá uma função que ao clicar em cada uma delas, será direcionado a outras telas.

- **Arquivo:** ao clicar neste item será aberto um item de menu chamado sair, cujo o item tem a função de fazer com o que o usuário saia do programa.
- **Funcionários:** ao clicar neste item será aberto um item de menu chamado pesquisar, ao clicar sobre esse item uma janela irá aparecer na tela onde usuário vai poder pesquisar o funcionário de acordo com alguns filtros. Ao clicar sobre as informações do usuário, uma caixa de texto confirmando se ele deseja enviar uma mensagem para o funcionário, ao clicar em sim o usuário será direcionado para uma pequena tela onde o mesmo poderá digitar uma mensagem e enviar para o funcionário.
- **Responsáveis:** ao clicar neste item será aberto um item de menu chamado alterar, ao clicar sobre o item será aberta uma janela, onde o usuário poderá alterar os seus dados.
- **Alunos:** ao clicar neste item serão abertos 3 itens de menus: alterar, pesquisar e cadastrar aluno, cada item desses ao serem clicados levará o usuário a uma tela, o usuário poderá alterar os dados do aluno à partir de uma tela, acontecendo o mesmo quando ele clicar em pesquisar e cadastrar aluno.
- **Creches:** ao clicar neste item será aberto um item de menu chamado pesquisar, onde o usuário vai pesquisar pelas creches.

4.2.2. Classes da camada Control

Aluno: package controller;

```
import java.util.Date;
```

```
import model.Aluno;
```

```
import model.Endereco;
```

```
public class ControllerAluno {
```

```
    public boolean matricularAluno(String nome, int matricula, Date  
dtNascimento, String sexo, String tipoDeficiencia, String rua, String bairro, String cidade) {
```

```
        if(nome != null && nome.length() > 0 && matricula > 0 && sexo != null &&  
sexo.length() > 0 && tipoDeficiencia != null && tipoDeficiencia.length() > 0 && rua != null  
&& rua.length() > 0 && bairro != null && bairro.length() > 0 && cidade != null &&  
cidade.length() > 0) {
```

```
            Endereco en = new Endereco(rua,bairro,cidade);
```

```
            Aluno alu = new Aluno(nome, matricula, dtNascimento, sexo,  
tipoDeficiencia, en);
```

```
            return true;
```

```
        }
```

```
        return false;
```

```
    }
```

```
}
```

Creche: package controller;

import model.Creche;

import model.Endereco;

public class ControllerCreche {

public boolean exibirCreche(String nome,String razaoSocial, String cnpj,
String status, String rua, String bairro, String cidade, int matricula){

if(nome != null && nome.length() > 0 && razaoSocial != null &&
razaoSocial.length() > 0 && cnpj != null && cnpj.length() > 0 && status != null &&
status.length() > 0 && rua != null && rua.length() > 0 && bairro != null && bairro.length()
> 0 && cidade != null && cidade.length() > 0 && matricula > 0){

Endereco endereco = new Endereco(rua, bairro, cidade);

Creche creche = new Creche(nome, razaoSocial, cnpj, status,endereco,
matricula);

creche.exibirCreche(creche);

return true;

}

return false;

}

}

Funcionário: package controller;

import model.Funcionario;

public class ControllerFuncionario {

public boolean cadastrarFuncionario(String nome, String codFuncionario,
String cargo, String cnpj, String senha){

if(nome != null && nome.length() > 0 && codFuncionario != null &&
codFuncionario.length() > 0 && cargo != null && cargo.length() > 0 && cnpj != null &&
cnpj.length() > 0 && senha != null && senha.length() > 0){

Funcionario fun = new Funcionario(nome, codFuncionario, cargo, cnpj,
senha);

fun.cadastrarFuncionario(fun);

return true;

}

return false;

}

}

Responsável: /*

* 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 controller;

import java.util.ArrayList;

import model.Creche;

import model.Endereco;

import model.Funcionario;

import model.Responsavel;

import model.Telefone;

public class ControllerResponsavel {

public boolean cadastrarResponsavel(String nomeCompleto, String cpf, String email, String senha, String rua, String bairro, String cidade, String uf){

if(nomeCompleto != null && nomeCompleto.length() > 0 && cpf != null && cpf.length() > 0 && email != null && email.length() > 0 && senha != null && senha.length() > 0 && rua != null && rua.length() > 0 && bairro != null && bairro.length() > 0 && cidade != null && cidade.length() > 0 && uf != null && uf.length() > 0){

Endereco endereco = new Endereco(rua, bairro, cidade, uf);

Responsavel resp = new Responsavel(nomeCompleto, cpf, email, endereco, senha);

resp.cadastrarResponsavel(resp);

```
        return true;
    }
```

```
        return false;
    }
```

```
public boolean validarCpf(String cpf){
    for(int i = 0; i < cpf.length(); i++){
        if(! Character.isDigit(cpf.charAt(i))){
            if(!( i==3 || i==7 || i==11))
                return false;
        }
    }
    return true;
}

}
```

Telefono: package controller;

import model.Telefono;

public class ControllerTelefono {

public boolean registrarNumero(String numero){

if(numero != null && numero.length() > 0){

Telefono tel = new Telefono(numero);

tel.registrarNumero(tel);

return true;

}

return false;

}

}

4.2.3 Classes da camada Model

Apresentar a descrição do código da classe.