Documentação de Projeto de Software

Versão 3.0

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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

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
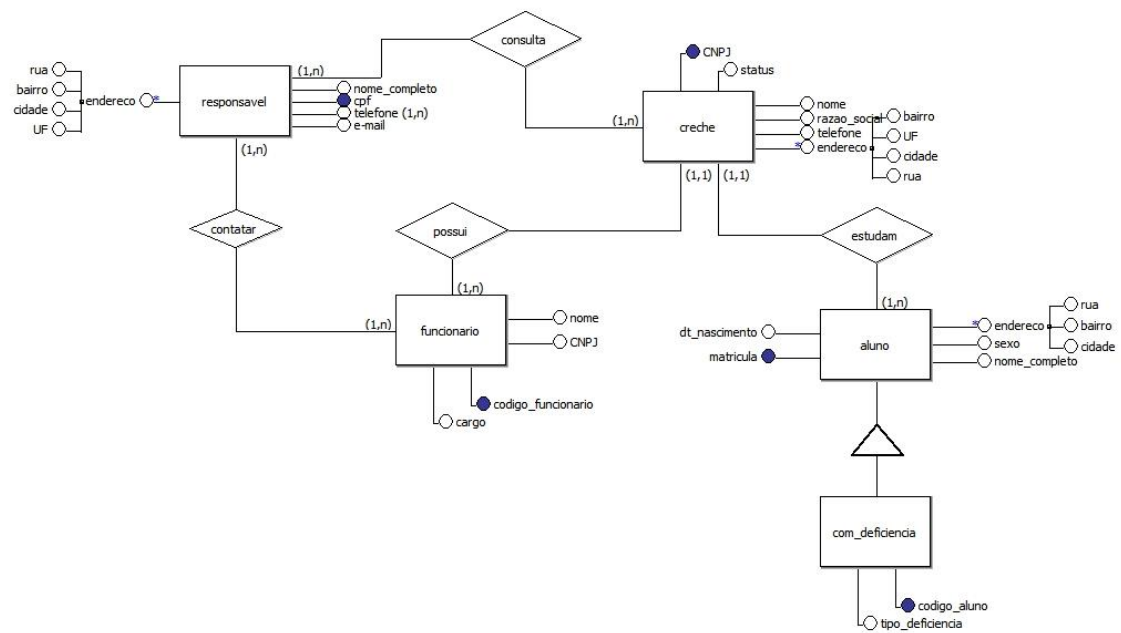
2.3 Modelo Lógico

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
Responsavel	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

Campo	Tipo	Descrição	Observações e Regras
			vel)
codigo_funcionario	varchar(4)	Código do fucionário	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

```sql
);


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,

```sql
        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', 'kgyz-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 */

```sql
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 */
```

```sql
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. */
```

```sql
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 deficiciência, por creche. */

```sql
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.
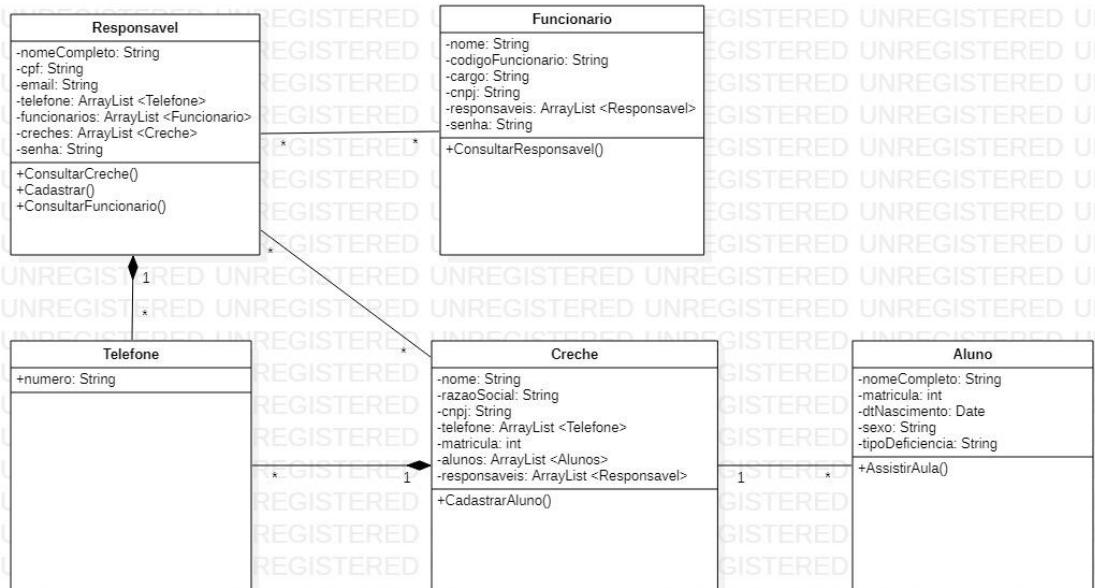
4. Arquitetura do Software

4.1.   Padrão de projeto

View

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

4.2   Protótipo
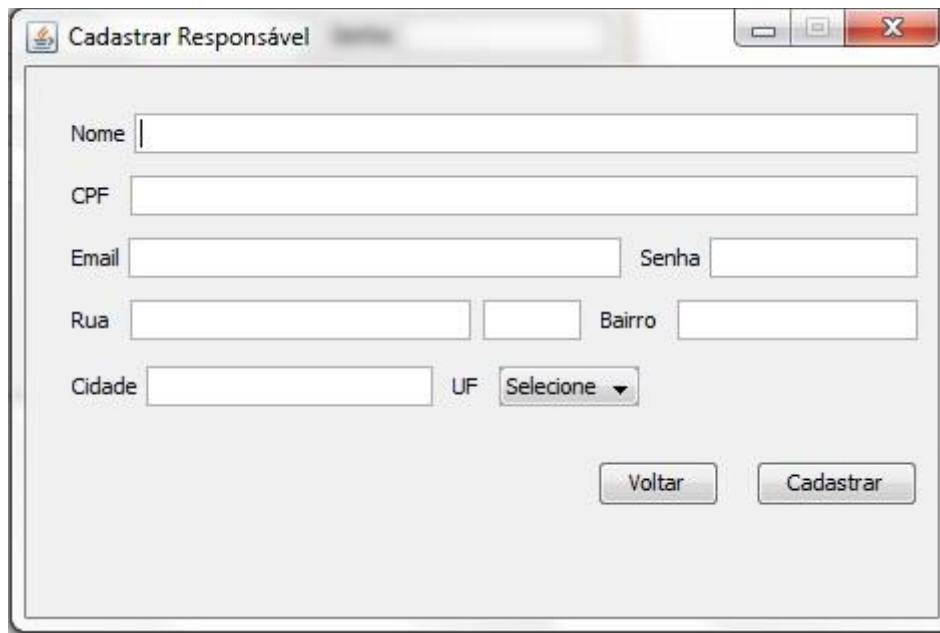
4.2.1.   Padrão de projeto

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

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;

```java
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();
```

```java
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");
```

```java
        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() {
```

```java
        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);

        }

    });
```

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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

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

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addGap(23, 23, 23)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addComponent(jLabel7)

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

                        .addComponent(jTextFieldCidade,
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.UNRELA
TED)
```

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

.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)

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addComponent(jLabel2)

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

                        .addComponent(jTextFieldCPF))

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addComponent(jLabel1)

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

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

```
                    .addGroup(jPanel1Layout.createSequentialGroup()

                    .addComponent(jLabel3)


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

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


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

                            .addComponent(jLabel4)


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

                            .addComponent(jPasswordFieldSenha,
javax.swing.GroupLayout.PREFERRED_SIZE,                          104,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()

                    .addComponent(jLabel5)


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

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


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

```java
                        .addComponent(jTextFieldRuar)

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

                        .addComponent(jLabel6)

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

                        .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.LE
ADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(23, 23, 23)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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.UNRELA
TED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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.UNRELA
TED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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.UNRELA
TED)
```

```java
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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.Al
ignment.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,
```

```java
                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(jButtonVoltar))

                .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)
```

```java
                .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());
```

```java
        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");
```

```java
        }


    }


    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

     */
```

```java
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);
```

```java
        } catch (IllegalAccessException ex) {

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

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(TelaResp.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 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;
```

```java
    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

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;

```java
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() {
```

```java
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");
```

```java
        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);
```

```java
                }
            });


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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

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

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addGap(23, 23, 23)


.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)

                    .addGroup(jPanel1Layout.createSequentialGroup()


.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.TRAILING)

                        .addGroup(jPanel1Layout.createSequentialGroup()

                            .addComponent(jButtonVoltar)

                            .addGap(18, 18, 18)

                            .addComponent(jButtonCadastrar))


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

```java
                    .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.Alignment.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.LEADING)
```

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

          .addGap(26, 26, 26)

          .addComponent(jLabel1)


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

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


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

            .addComponent(jLabel3)


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

            .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.UNRELA
TED)

            .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)
```

```java
                    .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>
```

```java
    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) {
```

```java
            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
```

```java
    */
    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
                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;
```

```java
    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
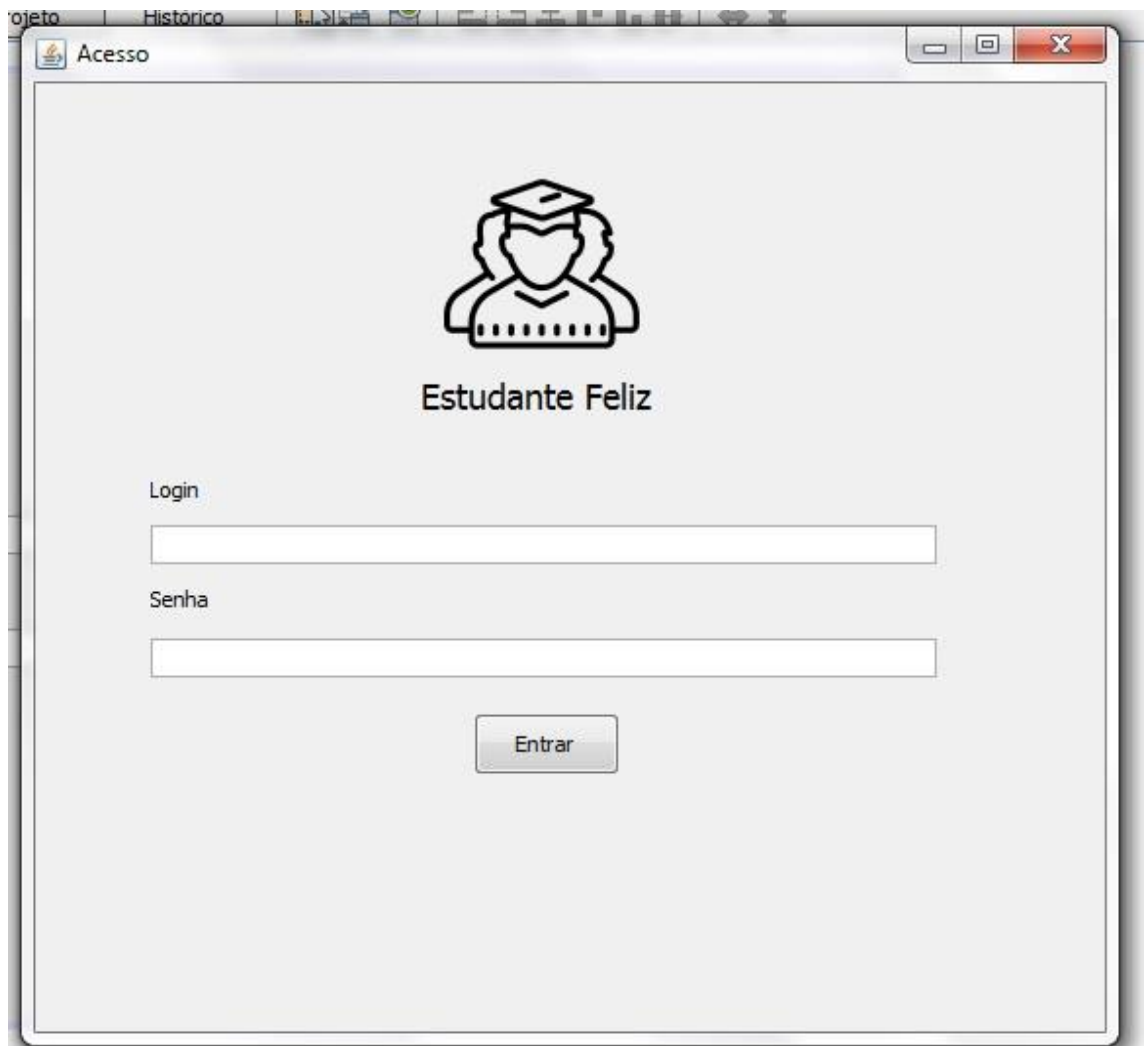
Código da classe: /*

 * 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;

```java
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">
```

```java
    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_CL
OSE);

        setTitle("Acesso");


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


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

```java
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.LE
ADING)

        .addGroup(jPanel2Layout.createSequentialGroup()

            .addGap(59, 59, 59)


.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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,                     32,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .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()
```

```java
                .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)
```

```java
                .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
```

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

    /* Set the Nimbus look and feel */

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

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

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

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

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

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

                break;
            }
        }
    } catch (ClassNotFoundException ex) {

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

    } catch (InstantiationException ex) {
```

```java
            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;
```

```java
    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
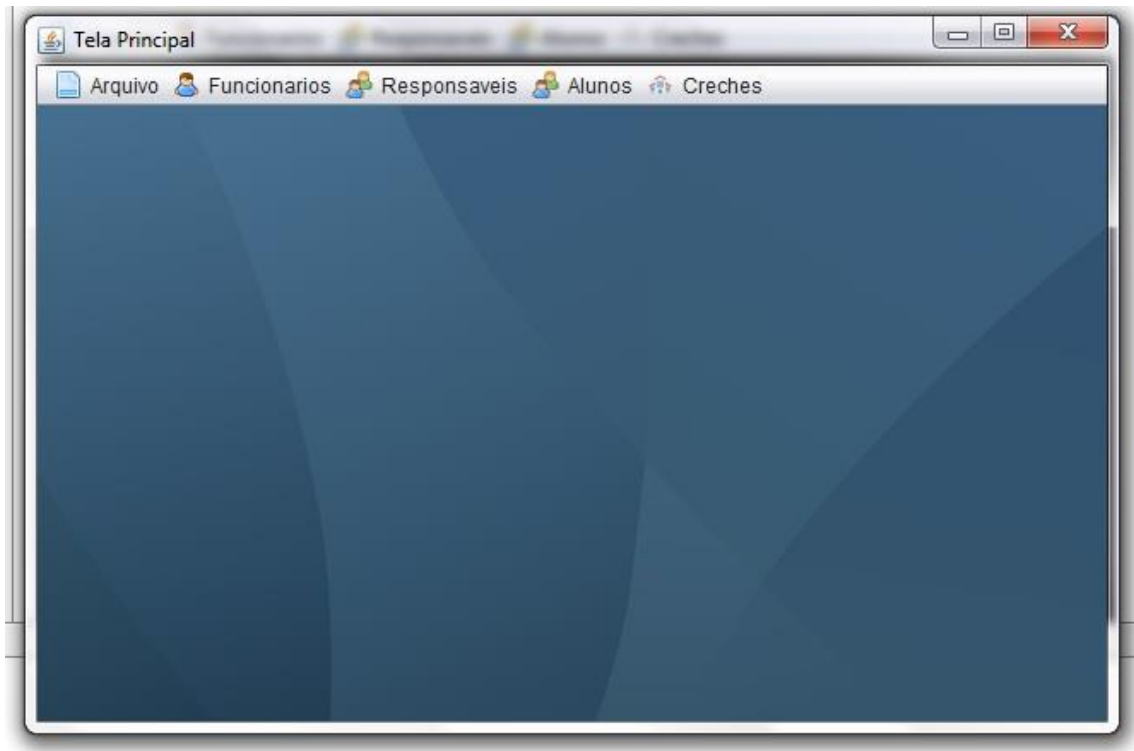
Código da classe: /*

* 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;

```java
/**
 *
 * @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() {
```

```java
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(
```

```java
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);

        }
```

```java
        });

        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);
```

```java
        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) {
```

```java
                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);

            }
```

```java
        });

        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");
```

```java
        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)

        );
```

```java
        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);
```

```java
    }


    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);


    }
```

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


        AlterarResp alteraresp = new AlterarResp();

        jDesktopPane1.add(alteraresp);

        alteraresp.setVisible(true);



    }


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


        PesquisarAluno alteraAlu = new PesquisarAluno();

        jDesktopPane1.add(alteraAlu);

        alteraAlu.setVisible(true);



    }


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

```java
        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

        */
```

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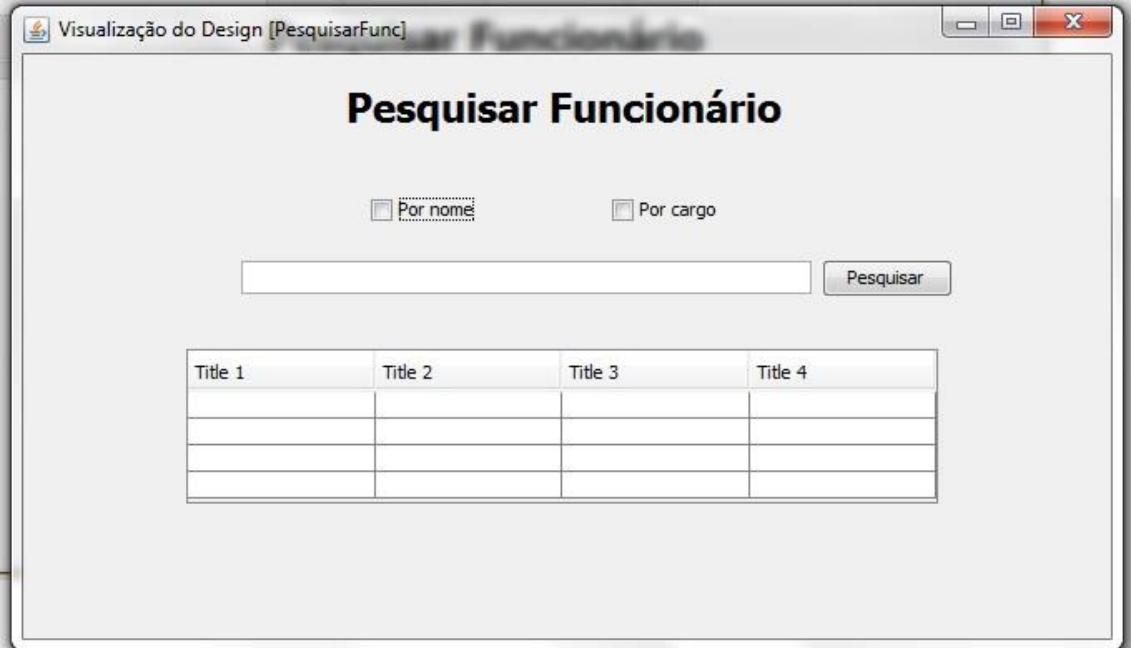
```java
    /* Create and display the form */

    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;
```

```java
    private javax.swing.JMenu jMenuResponsaveis;

    // End of variables declaration

}
```

Pesquisar funcionário

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;

/**

 *

```java
 * @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();
```

```java
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"

    }
```

```java
        ));

        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.LE
ADING)

            .addGroup(jPanel1Layout.createSequentialGroup()


.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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)
```

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

                .addComponent(jCheckBoxPorNome)

                .addComponent(jCheckBoxPorCargo))

            .addGap(18, 18, 18)


.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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);
```

```java
        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))

        );
```

```java
        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;
```

```java
    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.

 */

```java
package view;


import javax.swing.JOptionPane;


/**
 *
 * @author lucas
 */
public class Contact extends javax.swing.JInternalFrame {
```

```java
/**
 * 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);
```

```java
        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.LE
ADING)

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addGap(41, 41, 41)

                .addComponent(jLabel1)

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

```java
            .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.Al
ignment.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))

        );
```

```java
        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!");
```

```java
    }




    // 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

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;

```java
/**
 *
 * @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() {
```

```java
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();

jTextFieldAlteraNome = new javax.swing.JTextField();

jPasswordFieldAlteraSenha = new javax.swing.JPasswordField();

jTextFieldAlteraRua = new javax.swing.JTextField();

jTextFieldAlteraRuar = new javax.swing.JTextField();

jTextFieldAlteraBairro = new javax.swing.JTextField();

jTextFieldAlteraCidade = new javax.swing.JTextField();

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

jButtonSalvar = new javax.swing.JButton();

jButtonVoltar = new javax.swing.JButton();

jFormattedTextFieldAlteraCpf                =                new
javax.swing.JFormattedTextField();

jTextFieldAlteraEmail = new javax.swing.JTextField();

jLabel10 = new javax.swing.JLabel();
```

```java
        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() {
```

```java
        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 {

        jFormattedTextFieldAlteraCpf.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(
```

```java
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.TRAILING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(38, 38, 38)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.TRAILING)
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addComponent(jButtonVoltar)
                            .addGap(18, 18, 18)
                            .addComponent(jButtonSalvar))
                        .addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.TRAILING)
                                .addComponent(jLabel2)
                                .addComponent(jLabel3)
                                .addComponent(jLabel5))

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

```java
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jTextFieldAlteraRua, javax.swing.GroupLayout.PREFERRED_SIZE, 170, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jTextFieldAlteraRuar, 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(jTextFieldAlteraEmail, 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.RELATE
D)
                                        .addComponent(jPasswordFieldAlteraSenha,
javax.swing.GroupLayout.DEFAULT_SIZE, 109, Short.MAX_VALUE))

                    .addGroup(jPanel2Layout.createSequentialGroup()
                                .addComponent(jLabel6)

                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                                        .addComponent(jTextFieldAlteraBairro)))
                            .addGap(0, 0, Short.MAX_VALUE))
                                .addComponent(jFormattedTextFieldAlteraCpf)))))

                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.TRAILING)
                                .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
                                .addGap(35, 35, 35)
                                .addComponent(jLabel1)

                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
                                .addComponent(jTextFieldAlteraNome,
javax.swing.GroupLayout.PREFERRED_SIZE,                               391,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

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

                        .addGap(29, 29, 29)

                        .addComponent(jLabel7)


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

                        .addComponent(jTextFieldAlteraCidade,
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(jTextFieldAlteraNome,
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(jFormattedTextFieldAlteraCpf,
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(jPasswordFieldAlteraSenha,
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.Al
ignment.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.Al
ignment.BASELINE)
```

```java
                .addComponent(jLabel7)

                .addComponent(jTextFieldAlteraCidade,
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);
```

```java
        jPanel1Layout.setHorizontalGroup(

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

        );
```

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


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


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

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

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


this.campos.add(Arrays.toString(jPasswordFieldAlteraSenha.getPassword(
)));
        this.campos.add(jTextFieldAlteraRua.getText());

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

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

        this.campos.add(jTextFieldAlteraCidade.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++;
```

```java
        }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;
```

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

        private                              javax.swing.JFormattedTextField
jFormattedTextFieldAlteraCpf;

        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 jPasswordFieldAlteraSenha;

        private javax.swing.JTextField jTextFieldAlteraBairro;

        private javax.swing.JTextField jTextFieldAlteraCidade;

        private javax.swing.JTextField jTextFieldAlteraEmail;

        private javax.swing.JTextField jTextFieldAlteraNome;

        private javax.swing.JTextField jTextFieldAlteraRua;

        private javax.swing.JTextField jTextFieldAlteraRuar;
        // End of variables declaration
    }
```
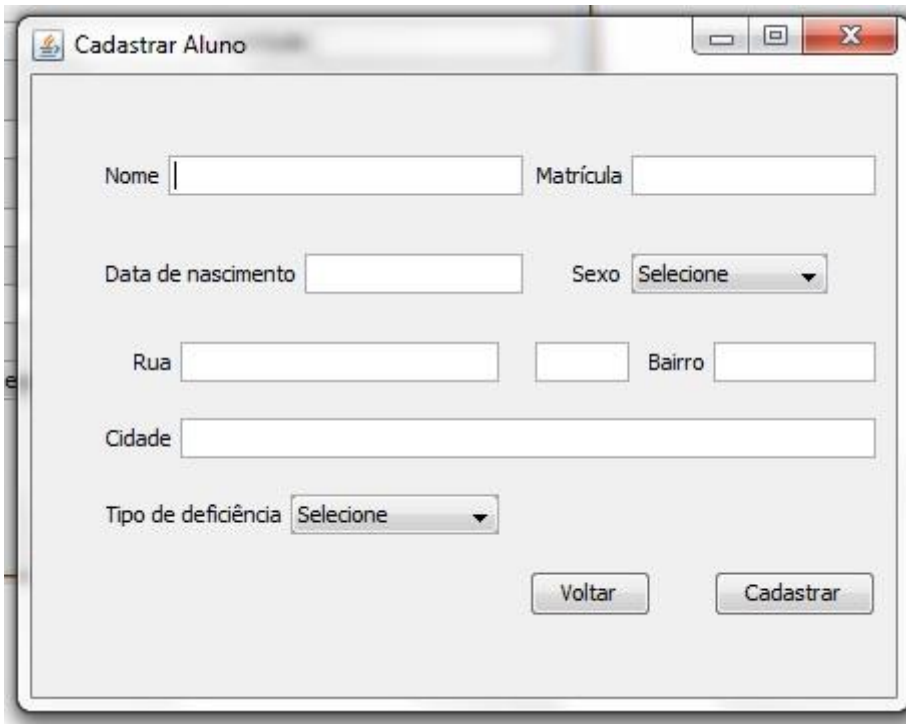
Cadastrar aluno

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;

import java.util.ArrayList;

import javax.swing.JOptionPane;

/**

 *

```java
 * @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();
```

```java
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");
```

```java
        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);
            }
        });
```

```java
        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);

            }

        });
```

```java
        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.LE
ADING)

            .addGroup(jPanel1Layout.createSequentialGroup()
```

```java
.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)
```

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

                        .addGap(12, 12, 12))


.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)


.addGroup(jPanel1Layout.createSequentialGroup()

                                .addComponent(jLabel1)


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

                                .addComponent(jTextFieldNome))


.addGroup(jPanel1Layout.createSequentialGroup()

                                .addComponent(jLabel3)


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

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


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

                        .addGroup(jPanel1Layout.createSequentialGroup()

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

```java
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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.Al
ignment.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.RELATE
D)

                                .addComponent(jTextFieldRuar)

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

```
                    .addComponent(jLabel6)

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

                        .addComponent(jTextFieldBairro,
javax.swing.GroupLayout.PREFERRED_SIZE,                    81,
javax.swing.GroupLayout.PREFERRED_SIZE))))

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addComponent(jLabel7)

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

                    .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.LE
ADING)
```

```java
                .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.Al
ignment.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.Al
ignment.BASELINE)

                .addComponent(jLabel7)

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

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

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

        .addComponent(jButtonVoltar)

        .addComponent(jButtonCadastrar))

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


    jComboBoxSexo.getAccessibleContext().setAccessibleName("");


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

    getContentPane().setLayout(layout);

    layout.setHorizontalGroup(

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

```java
            .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:

    }
```

```java
        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{


            }
```

```java
        }


    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();

    }
```

```java
    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

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.

```java
 */
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.
```

```java
 */
@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();

    jTextFieldAlteraNome = new javax.swing.JTextField();

    jTextFieldAlteraMatricula = new javax.swing.JTextField();

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

    jTextFieldAlteraRua = new javax.swing.JTextField();

    jTextFieldAlterarBairro = new javax.swing.JTextField();

    AlteraCidade = new javax.swing.JTextField();

    jButtonSalvar = new javax.swing.JButton();

    jButtonVoltar = new javax.swing.JButton();

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

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

        jFormattedTextFieldAltera_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");
```

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

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

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

        jComboBoxAlteraSexoActionPerformed(evt);

    }

});



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

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

        jTextFieldAlteraRuaActionPerformed(evt);

    }

});



jButtonSalvar.setText("Salvar");

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

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

        jButtonSalvarActionPerformed(evt);

    }

});
```

```java
        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");
```

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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(

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

            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)

                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addGap(37, 37, 37)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)

                        .addGroup(jPanel1Layout.createSequentialGroup()

                            .addComponent(jLabel8)

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

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

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

                        .addGroup(jPanel1Layout.createSequentialGroup()
```

```java
                .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(jTextFieldAlteraRua,
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(jTextFieldAlteraNome))

                        .addGroup(jPanel1Layout.createSequentialGroup()

                            .addComponent(jLabel3)
```

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


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


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

                        .addGroup(jPanel1Layout.createSequentialGroup()

                            .addGap(7, 7, 7)


.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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.Al
ignment.LEADING)

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

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

                        .addGroup(jPanel1Layout.createSequentialGroup()

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

                            .addComponent(jTextFieldAlteraRuar)

.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(AlteraCidade))))

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

```java
                   .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.Al
ignment.BASELINE)

                         .addComponent(jLabel1)

                         .addComponent(jLabel2)
```

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

                .addComponent(jTextFieldAlteraMatricula,
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.Al
ignment.BASELINE)

                .addComponent(jLabel3)

                .addComponent(jLabel4)

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

                .addComponent(jFormattedTextFieldAltera_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.Al
ignment.BASELINE)

                .addComponent(jLabel5)

                .addComponent(jLabel6)
```

```
                .addComponent(jTextFieldAlteraRua,
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(jTextFieldAlteraRuar,
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.Al
ignment.BASELINE)

                .addComponent(jLabel7)

                .addComponent(AlteraCidade,
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.Al
ignment.BASELINE)

                .addComponent(jLabel8)

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

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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)
```

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


        pack();

    }// </editor-fold>


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

        // TODO add your handling code here:

    }


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

        // TODO add your handling code here:

    }


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


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

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


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

```java
this.campos.add(jComboBoxAlteraSexo.getSelectedItem().toString());

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

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

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

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


this.campos.add(jComboBoxALtera_TipoDeficiencia.getSelectedItem().toS
tring());


        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");
```

```java
    }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> jComboBoxALtera_TipoDeficiencia;

    private javax.swing.JComboBox<String> jComboBoxAlteraSexo;

    private javax.swing.JFormattedTextField jFormattedTextFieldAltera_DtNascimento;

    private javax.swing.JLabel jLabel1;

    private javax.swing.JLabel jLabel2;

    private javax.swing.JLabel jLabel3;
```

```java
    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 jTextFieldAlteraMatricula;

    private javax.swing.JTextField jTextFieldAlteraNome;

    private javax.swing.JTextField jTextFieldAlteraRua;

    private javax.swing.JTextField jTextFieldAlteraRuar;

    private javax.swing.JTextField jTextFieldAlterarBairro;

    // End of variables declaration

}
```

Pesquisar aluno
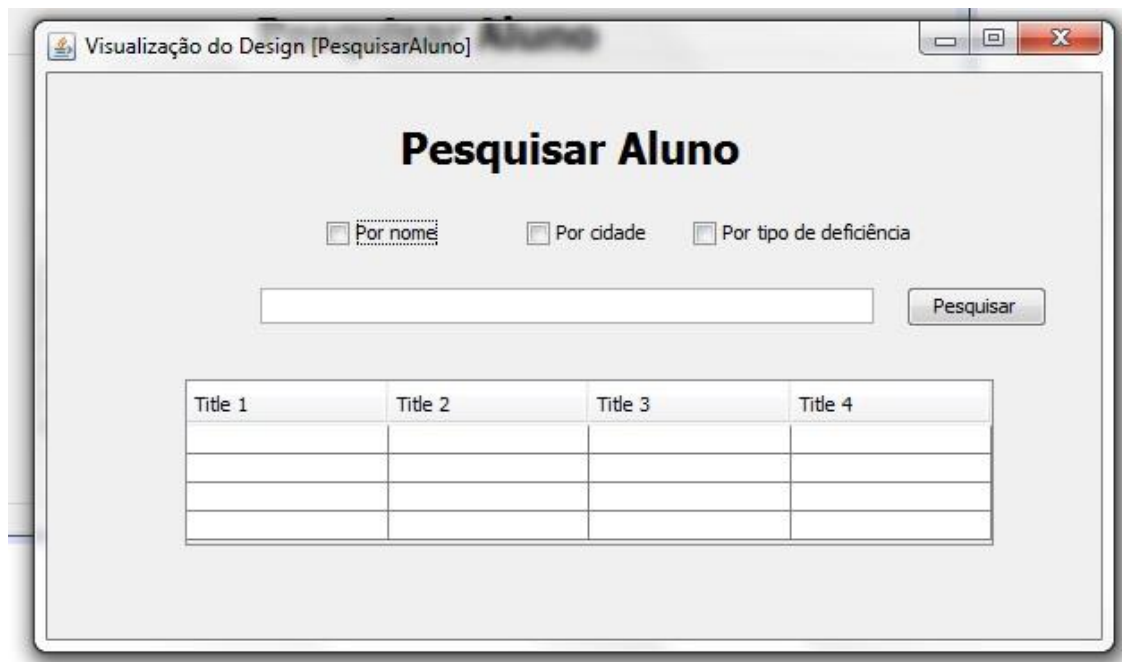
Código da classe: /*

 * 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 {

```java
/**
 * 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();
```

```java
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.setViewportView(jTableTabelaPesquisa);
```

```java
        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.LE
ADING)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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.LE
ADING)

          .addGroup(jPanel1Layout.createSequentialGroup()

            .addGap(25, 25, 25)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.BASELINE)

                .addComponent(jCheckBoxPorNome)

                .addComponent(jCheckBoxPorCidade)

                .addComponent(jCheckBoxPorTipoDefi))
```

```java
                .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,                               93,
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.Alignmen
t.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.Alignmen
t.LEADING)

                    .addGroup(layout.createSequentialGroup()

                    .addGap(53, 53, 53)

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

```java
                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

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;

```java
/**
 *
 * @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() {
```

```java
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");
```

```java
        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.setViewportView(jTablePesquisarCreche);


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

        jPanel1.setLayout(jPanel1Layout);

        jPanel1Layout.setHorizontalGroup(
```

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

    .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

        .addGap(119, 119, 119)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.TRAILING)

            .addGroup(jPanel1Layout.createSequentialGroup()

            .addComponent(jCheckBoxPorNome)

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

                .addComponent(jCheckBoxPorStatus)

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

                .addComponent(jCheckBoxPorBairro)

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

                .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.Al
ignment.BASELINE)

                            .addComponent(jCheckBoxPorNome)

                            .addComponent(jCheckBoxPorStatus)

                            .addComponent(jCheckBoxPorBairro)
```

```java
                .addComponent(jCheckBoxPorCidade))
            .addGap(18, 18, 18)


.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Al
ignment.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,                              96,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .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)
```

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

            .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();
```

```java
    }// </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 {

```java
        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 {

```java
    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 {

```java
    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);
```

```java
            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;

    }



}
```

Telefone: package controller;

import model.Telefone;

public class ControllerTelefone {

```java
    public boolean registrarNumero(String numero){
       if(numero != null && numero.length() > 0){

          Telefone tel = new Telefone(numero);

          tel.registrarNumero(tel);

          return true;

       }
       return false;
    }

}
```

4.2.3 Classes da camada Model

Apresentar a descrição do código da classe.

Aluno: package model;

import dao.AlunoDAO;

import dao.ExceptionDAO;

import java.util.Date;

public class Aluno {

    private String nomeCompleto;

    private String matricula;

    private Date dtNascimento;

    private String sexo;

    private String tipoDeficiencia;

    private Endereco endereco;

    public Aluno(){

    }

    public Aluno(String nomeCompleto, String matricula, Date dtNascimento, String sexo, String tipoDeficiencia, Endereco endereco) {

        this.nomeCompleto = nomeCompleto;

        this.matricula = matricula;

```java
        this.dtNascimento = dtNascimento;

        this.sexo = sexo;

        this.tipoDeficiencia = tipoDeficiencia;

        this.endereco = endereco;

    }



    public String getNomeCompleto() {

        return nomeCompleto;

    }



    public void setNomeCompleto(String nomeCompleto) {

        this.nomeCompleto = nomeCompleto;

    }



    public String getMatricula() {

        return matricula;

    }



    public void setMatricula(String matricula) {

        this.matricula = matricula;

    }



    public Date getDtNascimento() {

        return dtNascimento;

    }
```

```java
public void setDtNascimento(Date dtNascimento) {

    this.dtNascimento = dtNascimento;

}


public String getSexo() {

    return sexo;

}


public void setSexo(String sexo) {

    this.sexo = sexo;

}


public String getTipoDeficiencia() {

    return tipoDeficiencia;

}


public void setTipoDeficiencia(String tipoDeficiencia) {

    this.tipoDeficiencia = tipoDeficiencia;

}


public Endereco getEndereco() {

    return endereco;

}


public void setEndereco(Endereco endereco) {
```

```java
        this.endereco = endereco;

    }




    public void matricularAluno(Aluno aluno) throws ExceptionDAO{

        new AlunoDAO().matricularAluno(aluno);

    }
```

```java
}
```

Creche: package model;

import java.util.ArrayList;

public class Creche {

```
    private String nome;

    private String razaoSocial;

    private String cnpj;

    private String status;

    private Endereco endereco;

    private ArrayList <Telefone> telefone = new ArrayList <Telefone>();

    private int matricula;

    private ArrayList <Aluno> aluno = new ArrayList <Aluno>();

    private ArrayList <Responsavel> responsavel = new ArrayList <Responsavel>();


    public Creche(){


    }


    /* public Creche(String nome, String razaoSocial, String cnpj, String status, Endereco
endereco, int matricula) {

        this.nome = nome;

        this.razaoSocial = razaoSocial;

        this.cnpj = cnpj;
```

```java
        this.status = status;

        this.endereco = endereco;

        this.matricula = matricula;

    } */



  /*  public Creche(String nome, String razaoSocial, String cnpj, String status, Endereco
endereco) {

        this.nome = nome;

        this.razaoSocial = razaoSocial;

        this.cnpj = cnpj;

        this.status = status;

        this.endereco = endereco;



    } */



   /*       public Creche(String nome, String razaoSocial, String cnpj, String status,
Endereco endereco) {

        this.nome = nome;

        this.razaoSocial = razaoSocial;

        this.cnpj = cnpj;

        this.status = status;

        this.endereco = endereco;

    } */



  /*  public Creche(String nome, String razaoSocial, String cnpj, String status, String
matricula, Endereco endereco) {

        this.nome = nome;
```

```java
        this.razaoSocial = razaoSocial;

        this.cnpj = cnpj;

        this.status = status;

        this.endereco = endereco;

    } */


    public Creche(String nome, String razaoSocial, String cnpj, String status, Endereco
endereco) {

        this.nome = nome;

        this.razaoSocial = razaoSocial;

        this.cnpj = cnpj;

        this.status = status;

        this.endereco = endereco;

    }


    public String getNome() {

        return nome;

    }


    public void setNome(String nome) {

        this.nome = nome;

    }
```

```java
public String getRazaoSocial() {

    return razaoSocial;

}


public void setRazaoSocial(String razaoSocial) {

    this.razaoSocial = razaoSocial;

}


public String getCnpj() {

    return cnpj;

}


public void setCnpj(String cnpj) {

    this.cnpj = cnpj;

}


public String getStatus() {

    return status;

}


public void setStatus(String status) {

    this.status = status;

}


public Endereco getEndereco() {
```

```java
        return endereco;

    }


    public void setEndereco(Endereco endereco) {

        this.endereco = endereco;

    }




    public void consultarCreche(Creche creche){



    }




}
```

Endereco: /*

package model;

/**

*

* @author lucas

*/
public class Endereco {

    String rua;

    String bairro;

    String cidade;

    String uf;

    public String getRua() {

        return rua;

    }

    public void setRua(String rua) {

        this.rua = rua;

    }

    public String getBairro() {

```java
        return bairro;

    }


    public void setBairro(String bairro) {

        this.bairro = bairro;

    }


    public String getCidade() {

        return cidade;

    }


    public void setCidade(String cidade) {

        this.cidade = cidade;

    }


    public String getUf() {

        return uf;

    }


    public void setUf(String uf) {

        this.uf = uf;

    }


    public Endereco(String rua, String bairro, String cidade, String uf) {

        this.rua = rua;

        this.bairro = bairro;

        this.cidade = cidade;
```

```java
        this.uf = uf;

    }


    public Endereco(String rua, String bairro, String cidade) {

        this.rua = rua;

        this.bairro = bairro;

        this.cidade = cidade;

    }




}
```

Funcionario: package model;

```java
import dao.ExceptionDAO;

import dao.FuncionarioDAO;

import java.util.ArrayList;


public class Funcionario {


    private String nome;

    private String codigoFuncionario;

    private String cargo;
```

```java
    private String cnpj;

    private ArrayList <Responsavel> responsavel = new ArrayList();

    private String senha;


    public Funcionario(){


    }


    public Funcionario(String nome, String codigoFuncionario, String cargo, String cnpj,
String senha) {

        this.nome = nome;

        this.codigoFuncionario = codigoFuncionario;

        this.cargo = cargo;

        this.cnpj = cnpj;

        this.senha = senha;

    }


    public String getNome() {

        return nome;

    }


    public void setNome(String nome) {

        this.nome = nome;

    }


    public String getCodigoFuncionario() {
```

```java
        return codigoFuncionario;

    }


    public void setCodigoFuncionario(String codigoFuncionario) {

        this.codigoFuncionario = codigoFuncionario;

    }


    public String getCargo() {

        return cargo;

    }


    public void setCargo(String cargo) {

        this.cargo = cargo;

    }


    public String getCnpj() {

        return cnpj;

    }


    public void setCnpj(String cnpj) {

        this.cnpj = cnpj;

    }


    public ArrayList<Responsavel> getResponsavel() {

        return responsavel;

    }
```

```java
    public void setResponsavel(ArrayList<Responsavel> responsavel) {

        this.responsavel = responsavel;

    }


    public String getSenha() {

        return senha;

    }


    public void setSenha(String senha) {

        this.senha = senha;

    }



    public void cadastrarFuncionario(Funcionario funcionario) throws ExceptionDAO {

        new FuncionarioDAO().cadastrarFuncionario(funcionario);

    }


    public void alterarFuncionario(Funcionario funcionario){


    }
}
```

Responsavel: package model;

```java
import dao.ExceptionDAO;

import dao.ResponsavelDAO;

import java.util.ArrayList;


public class Responsavel {


    private String nomeCompleto;

    private String cpf;

    private String email;

    private ArrayList <Telefone> telefone = new ArrayList <Telefone>();

    private ArrayList <Funcionario> funcionario = new ArrayList <Funcionario>();

    private ArrayList <Creche> creche = new ArrayList <Creche>();

    private Endereco endereco;

    private String senha;



     public Responsavel() {


    }


    public Responsavel(String nomeCompleto, String cpf, String email, Endereco endereco,
String senha) {

        this.nomeCompleto = nomeCompleto;

        this.cpf = cpf;

        this.email = email;

        this.endereco = endereco;
```

```java
        this.senha = senha;

    }


    public String getNomeCompleto() {

        return nomeCompleto;

    }


    public void setNomeCompleto(String nomeCompleto) {

        this.nomeCompleto = nomeCompleto;

    }


    public String getCpf() {

        return cpf;

    }


    public void setCpf(String cpf) {

        this.cpf = cpf;

    }


    public String getEmail() {

        return email;

    }


    public void setEmail(String email) {

        this.email = email;

    }
```

```java
public ArrayList<Telefone> getTelefone() {

    return telefone;

}


public void setTelefone(ArrayList<Telefone> telefone) {

    this.telefone = telefone;

}


public ArrayList<Funcionario> getFuncionario() {

    return funcionario;

}


public void setFuncionario(ArrayList<Funcionario> funcionario) {

    this.funcionario = funcionario;

}


public ArrayList<Creche> getCreche() {

    return creche;

}


public void setCreche(ArrayList<Creche> creche) {

    this.creche = creche;

}


public String getSenha() {

    return senha;

}
```

```java
public void setSenha(String senha) {

    this.senha = senha;

}


public Endereco getEndereco() {

    return endereco;

}


public void setEndereco(Endereco endereco) {

    this.endereco = endereco;

}




public void cadastrarResponsavel(Responsavel responsavel) throws ExceptionDAO{

    new ResponsavelDAO().cadastrarResponsavel(responsavel);

}


public void consultarCreche(Responsavel responsavel) {


}


public void consultarFuncionario(Responsavel responsavel) {


}


public void alterarResponsavel(Responsavel responsavel) {
```

```
    }


}
```

Telefone: package model;

```java
public class Telefone {

    private String numero;


    public Telefone(){


    }


    public Telefone(String numero) {

        this.numero = numero;

    }


    public String getNumero() {

        return numero;

    }


    public void setNumero(String numero) {

        this.numero = numero;
```

```java
    }


    public void registrarNumero(Telefone telefone){


    }



}
```

AlunoDAO: /*

 * 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 dao;

/**

 *

 * @author lucas

```java
 */

import java.sql.Connection;

import java.sql.Date;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import model.Aluno;

import model.Endereco;


public class AlunoDAO {


    public void matricularAluno(Aluno aluno) throws ExceptionDAO{

        String sql = "insert into aluno (nome_completo, matricula, dt_nascimento, sexo, rua,
bairro, cidade, tipo_deficiencia) value (?, ?, ?, ?, ?, ?, ?, ?)";

        PreparedStatement pStatement = null;

        Connection connection = null;


        try{

            connection = new ConnectionMVC().getConnection();

            pStatement = connection.prepareStatement(sql);

            pStatement.setString(1, aluno.getNomeCompleto());

            pStatement.setString(2, aluno.getMatricula());

            pStatement.setDate(3, (Date) aluno.getDtNascimento());

            pStatement.setString(4, aluno.getSexo());

            pStatement.setString(5, aluno.getEndereco().getRua());

            pStatement.setString(6, aluno.getEndereco().getBairro());

            pStatement.setString(7, aluno.getEndereco().getCidade());

            pStatement.setString(8, aluno.getTipoDeficiencia());
```

```java
            pStatement.execute();


        }catch(SQLException e){

            throw new ExceptionDAO("Erro ao cadastrar aluno! " + e);


        } finally {




        } try {

            if(pStatement != null) {pStatement.close();}

        } catch(SQLException e){

            throw new ExceptionDAO("Erro ao fechar o Statement! " + e);




        } try {

            if (connection != null) {connection.close();}

        } catch(SQLException e) {

            throw new ExceptionDAO("Erro ao fechar a conexão! " + e);

        }

    }

}
```

```java
ConnectionMVC: package dao;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;


public class ConnectionMVC {

  public Connection getConnection(){

    Connection conn = null;



    try{

      Class.forName("com.mysql.jdbc.Driver");

    } catch(ClassNotFoundException e) {

      e.printStackTrace();

    }



    try{

      conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/estudante_feliz?useSSL=false", "root", "");

    } catch(SQLException e){

      e.printStackTrace();

    }



    return conn;
```

```
    }



}
```

Exception: /*

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 * and open the template in the editor.

 */

package dao;

/**

 *

 * @author lucas

 */

public class ExceptionDAO extends Exception{

    public ExceptionDAO(String mensagem){

        super(mensagem);

    }

}

FuncionarioDAO: /*

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 * and open the template in the editor.

 */

package dao;

/**

 *

 * @author lucas

 */

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import model.Funcionario;

import model.Creche;

public class FuncionarioDAO {

    public void cadastrarFuncionario(Funcionario funcionario) throws ExceptionDAO{

        String sql = "insert into funcionario (nome, codigo_funcionario, senha, cargo, cnpj) value (?, ?, ?, ?, ?)";

        PreparedStatement pStatement = null;

        Connection connection = null;

        try{

            connection = new ConnectionMVC().getConnection();

```java
        pStatement = connection.prepareStatement(sql);

        pStatement.setString(1, funcionario.getNome());

        pStatement.setString(2, funcionario.getCodigoFuncionario());

        pStatement.setString(3, funcionario.getSenha());

        pStatement.setString(4, funcionario.getCargo());

        pStatement.setString(5, funcionario.getCnpj());


        pStatement.execute();


}catch(SQLException e){

    throw new ExceptionDAO("Erro ao cadastrar funcionário! " + e);
} finally {




    try{

        if(pStatement != null) {pStatement.close();}
    }catch(SQLException e) {

        throw new ExceptionDAO("Erro ao fechar o Statement! " + e);




    } try {

        if(connection != null) {connection.close();}
    }catch(SQLException e){

        throw new ExceptionDAO("Erro ao fechar a conexão! " + e);

    }
```

```
        }

    }


}
```

AlunoDAO: /*

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

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 * and open the template in the editor.

 */

package dao;

/**

 *

 * @author lucas

 */

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import model.Responsavel;

import model.Endereco;

public class ResponsavelDAO {

```java
public void cadastrarResponsavel(Responsavel responsavel) throws ExceptionDAO {


    String sql = "insert into responsavel (nome_completo, cpf, email, rua, senha, bairro,
cidade, uf) value (?, ?, ?, ?, ?, ?,?,?)";

    PreparedStatement pStatement = null;

    Connection connection = null;


    try{

        connection = new ConnectionMVC().getConnection();

        pStatement = connection.prepareStatement(sql);

        pStatement.setString(1, responsavel.getNomeCompleto());

        pStatement.setString(2, responsavel.getCpf());

        pStatement.setString(3, responsavel.getEmail());

        pStatement.setString(4, responsavel.getEndereco().getRua());

        pStatement.setString(5, responsavel.getSenha());

        pStatement.setString(6, responsavel.getEndereco().getBairro());

        pStatement.setString(7, responsavel.getEndereco().getCidade());

        pStatement.setString(8, responsavel.getEndereco().getUf());



        pStatement.execute();


    }catch(SQLException e){

        throw new ExceptionDAO("Erro ao cadastrar responsável! " + e);

    } finally {
```

```java
        try {

            if(pStatement != null) {pStatement.close();}

        } catch(SQLException e){

            throw new ExceptionDAO("Erro ao fechar o Statement: " + e);



        } try {

            if(connection != null) {connection.close();}

        } catch(SQLException e) {

            throw new ExceptionDAO("Erro ao fechar a conexão: " + e);

        }

    }

}




}
```