UNINABUCO

ANÁLISE E DESENVOLVIMENTO DE SOFTWARE

TÓPICOS INTEGRADORES II

Documentação de Projeto de Software

Versão 3.0

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GitHub:
https://github.com/diego5310/cadastro_lives.git

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2020

Controle de Versão do Documento

Versão	Descrição
3.0	Foram criadas as telas e as classes da camada View, juntamente com o Diagrama de Classes do projeto Lives.

Sumário

1. Introdução ao Documento

1.1. Área de negócio do Sistema

Sistema de cadastro para LiveStreams, podendo atuar como Streamer ou Espectador-Seguidor dependendo da escolha durante o cadastro

1.2. Principais funcionalidades

Cadastro de Streamer ou Espectador-Seguidor, Função de excluir cadastro de um seguidor para a entidade Bot, e métodos de abrir e fechar uma live, e alterar seu título para a entidade Streamer.

1.3. Método de trabalho

Serão utilizadas as seguintes ferramentas:

Banco de dados MySQL

SGBD: MariaDB

Linguagem: Java

IDE: Eclipse/Netbeans

2.0. Modelo de Dados

2.1. **Modelo de Visão**:

Este banco de dados se trata de um sistema para cadastro de Lives, onde terá Streamer, Live, Categoria, Bot e Espectador, com sua especificação de Seguidor (follower) onde seguidor vai herdar de Espectador.

Live pode ter 1 ou vários Bot's e Bot's podem moderar 1 ou várias lives (N para N)

Streamer : Realizará as transmissões (lives) e também responsável pela configuração da mesma. Terá: id_streamer, nome, usuario, senha, dt_cadastro e inlive

Bot : Terá a função de excluir um cadastro de seguidor, caso seja necessário. (para casos de qualquer tipo de preconceito por exemplo) Terá: id_bot (PK) e nome

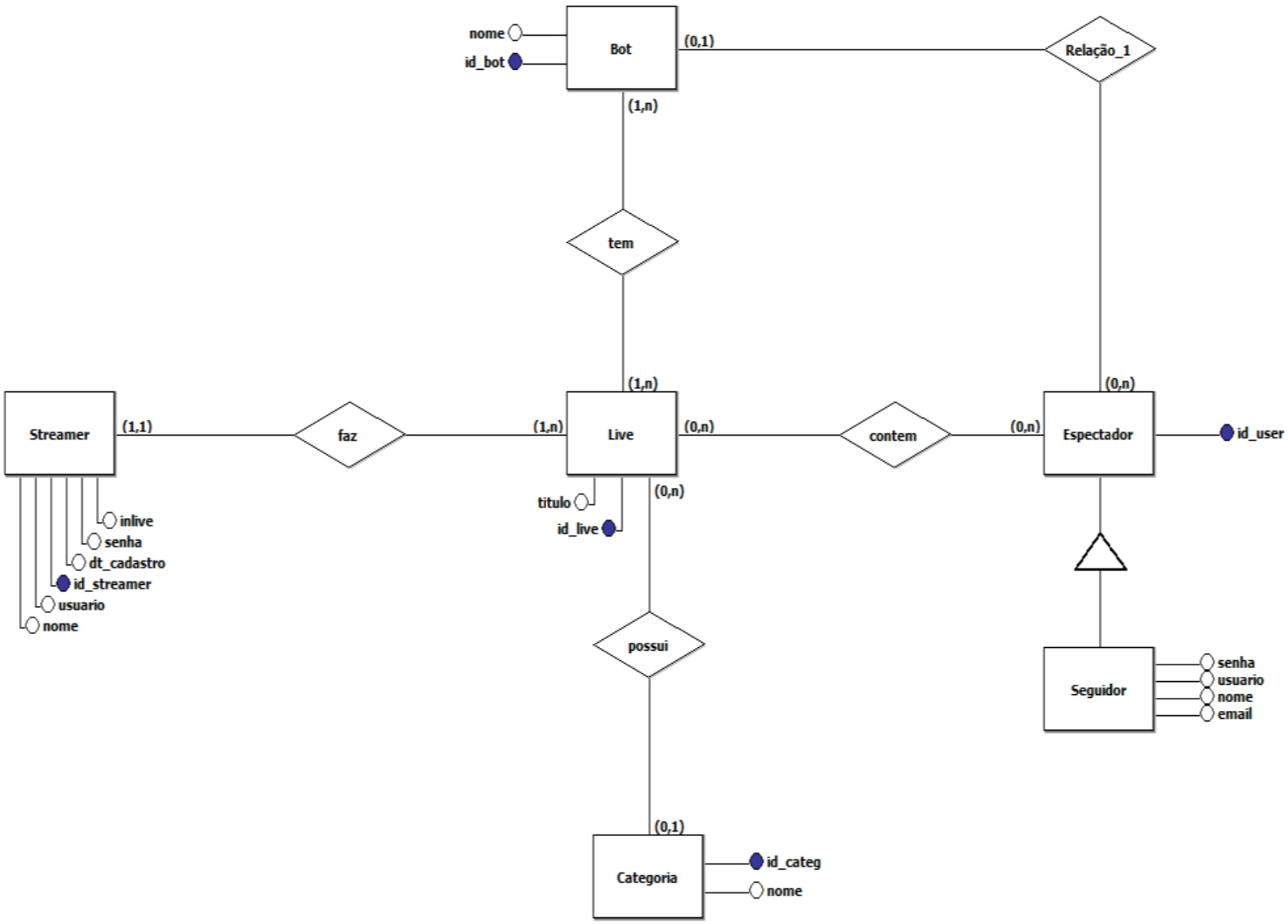
Espectador : Poderá assistir as lives e decidir se continuará apenas como espectador ou se tornará seguidor da live, realizando o cadastro. Terá: id_user(PK)

Seguidor : Herdará de Espectador, adicionando os campos : email,nome, usuario, senha e dt_cadastro.

Live: A própria transmissão em si, com sua devida categoria servindo como "produto" . Terá: id_live(PK), id_streamer (FK), título e id_categ

Categoria: Seria o nome do jogo que estará sendo transmitido. Terá: id_categ e nome

2.2. Modelo Conceitual



2.3. Modelo Lógico

Streamer (id_streamer, nome, dt_cadastro, usuario, senha e inlive)

id_streamer - Primary key

Categoria (id_categ, nome)

id_categ – Primary Key

Live (id_live, id_streamer, id_categ, titulo)

id_live - Primary key

id_streamer referencia Streamer

id_categ referencia Categoria

Bot (id_bot, nome)

id_bot - Primary key

Espectador_Seguidor (id_user, nome, dt_cadastro, email, usuario, senha, id_bot)

id_user - Primary key

id_bot referencia bot

Live_bot (id_bot, id_live)

id_bot referencia Bot

id_live referencia Live

id_live, id_bot - Primary Key

Live_Espectador_Seguidor (id_user, id_live)

id_user referencia espectador_seguidor

id_live referencia live

id_user, id_live - Primary key

2.4. Dicionário de Dados

Tabela	Descrição		
Streamer	Realizará as transmissões (Lives)		
Campo	Tipo	Descrição	Observações e Regras
nome	varchar(100)	Nome completo do Streamer	Not Null
id_streamer	int (auto incremento)	id associado ao Streamer	Not Null / PK
email	varchar(50)	E-mail do Streamer	Not Null / Unique
usuario	varchar(20)	Usuario (Login) do Streamer	Not Null / Unique
senha	varchar(20)	Senha utilizada pelo Streamer	Not Null
dt_cadastro	date	Data de cadastro como Streamer	Not Null
inlive	boolean	Determinará se o Streamer está no modo Streaming ou não	Not Null
Tabela	Descrição		
Live	Seria a própria transmissão em si, servindo como "produto"		
Campo	Tipo	Descrição	Observações e Regras
id_live	int (auto incremento)	id associado a transmissão (Live)	Not Null / PK
id_categ	int (auto incremento)	id associado a Categoria	Not Null (FK) (Categoria)
titulo	varchar(50)	titulo da transmissão,escolhido pelo Streamer associado a Live	Not Null
id_streamer	int	id associado ao Streamer	Not Null / FK (Streamer)
Tabela	Descrição		
Bot	Responsável por "moderar" as lives		
Campo	Tipo	Descrição	Observações e Regras
nome	varchar(20)	Nome do Bot	Not Null
id_bot	int (auto incremento)	id associado ao Bot	Not Null / PK
		id associado ao espectador_seguidor	Not Null
Tabela	Descrição		
espectador_seguidor	Assistirá as transmissões		
Campo	Tipo	Descrição	Observações e Regras
nome	varchar(100)	Nome do espectador_seguidor	
id_user	int (auto_increment)	id associado ao espectador_seguidor	Not Null / PK
email	varchar(50)	E-mail atrelado a espectador_seguidor	Unique
usuario	varchar(20)	usuario utilizado pelo espectador_seguidor	Unique
senha	varchar(20)	senha associada a espectador_seguidor	
dt_cadastro	Date	Data de cadastro	
id_bot	int	id referente a tabela Bot	(FK)
Tabela	Descrição		
live_bot	Liga a tabela Bot com Live		
Campo	Tipo	Descrição	Observações e Regras
id_live	int	id associado a tabela Live	Not Null / FK (Live)
id_bot	int	id associado a tabela Bot	Not Null / FK (Bot)
id_live, id_bot	int (auto incremento)	id's associados a tabela live_bot	Not Null / PK (composta)
Tabela	Descrição		
live_espectador_seguidor	garantir que possa haver espectadores diferentes assistindo a mesma live		
Campo	Tipo	Descrição	Observações e Regras
id_user	int	id associado a tabela espectador_seguidor	FK (espectador_seguidor)
id_live	int	id associado a tabela live	FK (live)
id_user, id_live	int	id's associados a live_espectador_seguidor	PK (Composta)
Tabela	Descrição		
Categoria	categoria referente a live		
Campo	Tipo	Descrição	Observações e Regras
id_categ	int (auto_incremento)	id associado a Categoria	PK
nome	varchar(50)	nome associado a uma categoria	Not Null

2.5. Modelo Físico

2.5.1.

```
DROP DATABASE IF EXISTS cadastro_lives;

CREATE DATABASE cadastro_lives;

use cadastro_lives;


CREATE TABLE streamer (

id_streamer int not null primary key auto_increment,

nome varchar(100) not null,

usuario varchar(20) not null,

senha varchar(20) not null,

dt_cadastro date not null,

inlive boolean not null

);


CREATE TABLE categoria (

id_categ int not null primary key auto_increment,

nome varchar(50) not null

);


CREATE TABLE live (

id_live int not null primary key auto_increment,

id_categ int not null,

titulo varchar(50) not null,

id_streamer int not null,

constraint fk_id_streamer foreign key (id_streamer) references
streamer(id_streamer),

constraint fk_id_categ foreign key (id_categ) references categoria(id_categ)

);


CREATE TABLE bot (

id_bot int not null primary key auto_increment,
```

```
    nome varchar(20) not null
    );



    CREATE TABLE espectador_seguidor (
    id_user int not null primary key auto_increment,
    email varchar(50),
    usuario varchar(20),
    senha varchar(20),
    nome varchar(100),
    dt_cadastro date,
    id_bot int,
    constraint fk_id_bot foreign key (id_bot) references bot(id_bot)
    );

    CREATE TABLE live_bot (
    id_live int not null,
    id_bot int not null,
    constraint fk_id_live_ foreign key (id_live) references live(id_live),
    constraint fk_id_bot_ foreign key (id_bot) references bot(id_bot),
    constraint pk_live_bot primary key (id_live,id_bot)
    );

    CREATE TABLE live_espectador_seguidor (
    id_user  int,
    id_live int,
    constraint fk_id_user foreign key (id_user) references
espectador_seguidor(id_user),
    constraint fk_id_live foreign key (id_live) references live(id_live),
    constraint pk_live_espectador_seguidor primary key (id_user,id_live)
    );
```

2.5.2. Comandos INSERT

```
/* Adicionando valores na tabela Streamer */


INSERT INTO streamer
(id_streamer,nome,usuario,senha,dt_cadastro,inlive) VALUES (1, 'Evandro
Mota', 'evandro369', 'Evandro159', '2019-05-01', TRUE);

INSERT INTO streamer
(id_streamer,nome,usuario,senha,dt_cadastro,inlive) VALUES (2, 'Enos
Victor', 'enosvt1', 'Enos5500', '2019-06-02', TRUE);

INSERT INTO streamer
(id_streamer,nome,usuario,senha,dt_cadastro,inlive) VALUES (3, 'Maria
Eduarda', 'dudinha00', 'duda2405', '2020-08-23', TRUE);

INSERT INTO streamer
(id_streamer,nome,usuario,senha,dt_cadastro,inlive) VALUES (4, 'Gabriel
Souza', 'gabriel007', '159753', '2020-09-20', FALSE);

INSERT INTO streamer
(id_streamer,nome,usuario,senha,dt_cadastro,inlive) VALUES (5, 'Daniel
Silva', 'danisil', 'dandan123', '2020-12-28', FALSE);


/* Adicionando valores na tabela Categoria */


INSERT INTO categoria (id_categ,nome) VALUES (1,'League of Legends');

INSERT INTO categoria (id_categ,nome) VALUES (2,'Apex Legends');

INSERT INTO categoria (id_categ,nome) VALUES (3,'CS:GO');

INSERT INTO categoria (id_categ,nome) VALUES (4,'ARK');

INSERT INTO categoria (id_categ,nome) VALUES (5,'COD');


/* Adicionando valores na tabela Live */


INSERT INTO live (titulo,id_streamer,id_categ) VALUES ('live do Evandro',
1,1);

INSERT INTO live (titulo,id_streamer,id_categ) VALUES ('live do Victor',
2,2);

INSERT INTO live (titulo,id_streamer,id_categ) VALUES ('live da Duda',
3,3);
```

```
INSERT INTO live (titulo,id_streamer,id_categ) VALUES ('live do Gabriel', 4,4);

INSERT INTO live (titulo,id_streamer,id_categ) VALUES ('live do Daniel', 5,5);



/* Adicionando valores na tabela Bot */


INSERT INTO bot (nome) VALUES ('Groovy');

INSERT INTO bot (nome) VALUES ('Rythm');

INSERT INTO bot (nome) VALUES ('Element');

INSERT INTO bot (nome) VALUES ('Holics');

INSERT INTO bot (nome) VALUES ('Groovy');


/* Adicionando valores na tabela Espectador_Seguidor */


INSERT INTO espectador_seguidor
(email,usuario,senha,nome,dt_cadastro,id_bot) VALUES
('pauloborges@gmail.com', 'paulobg0', 'paulo#13', 'Paulo Borges', '2019-
09-13', 3);

INSERT INTO espectador_seguidor (email,usuario,senha,nome,dt_cadastro)
VALUES ('rodrigojose@gmail.com', 'jrodrigo1', 'jrod63', 'José Rodrigo',
'2018-05-12');

INSERT INTO espectador_seguidor (email,usuario,senha,nome,dt_cadastro)
VALUES ('carlosalmeida@gmail.com', 'carlosalm36', '1596320', 'Carlos
Almeida', '2018-07-018');

INSERT INTO espectador_seguidor (email) VALUES (null);

INSERT INTO espectador_seguidor (email) VALUES (null);


/* Adicionando valores na tabela Live_Bot */


INSERT INTO live_bot (id_live,id_bot) VALUES (1, 1);

INSERT INTO live_bot (id_live,id_bot) VALUES (2, 1);

INSERT INTO live_bot (id_live,id_bot) VALUES (3, 3);
```

```
INSERT INTO live_bot (id_live,id_bot) VALUES (4, 4);
INSERT INTO live_bot (id_live,id_bot) VALUES (5, 5);

/* Adicionando valores na tabela live_espectador_seguidor */

INSERT INTO live_espectador_seguidor (id_user,id_live) VALUES (1, 1);
INSERT INTO live_espectador_seguidor (id_user,id_live) VALUES (2, 2);
INSERT INTO live_espectador_seguidor (id_user,id_live) VALUES (3, 3);
INSERT INTO live_espectador_seguidor (id_user,id_live) VALUES (4, 4);
INSERT INTO live_espectador_seguidor (id_user,id_live) VALUES (5, 5);
```

2.5.3. Os Relatórios e os comandos Selects

Relatórios:

1 - Listar a quantidade de lives por Bot
2 - listar os nomes e emails dos seguidores da live de código 3.
3 - Listar a quantidade de cadastro de streamers, por mês e no ano de 2019.
4 - Listar os bots cadastrados
5 - listar as lives, ordenando pela categoria.

Selects:

1) Select count(liv.id_live), bot.nome as nome_bot from live liv, live_bot lbo, bot where liv.id_live = lbo.id_live and lbo.id_bot = bot.id_bot group by bot.nome;

2) Select ese.nome, ese.email, liv.id_live from live liv, espectador_seguidor ese, live_espectador_seguidor les where liv.id_live = 3 and liv.id_live = les.id_live and les.id_user = ese.id_user;

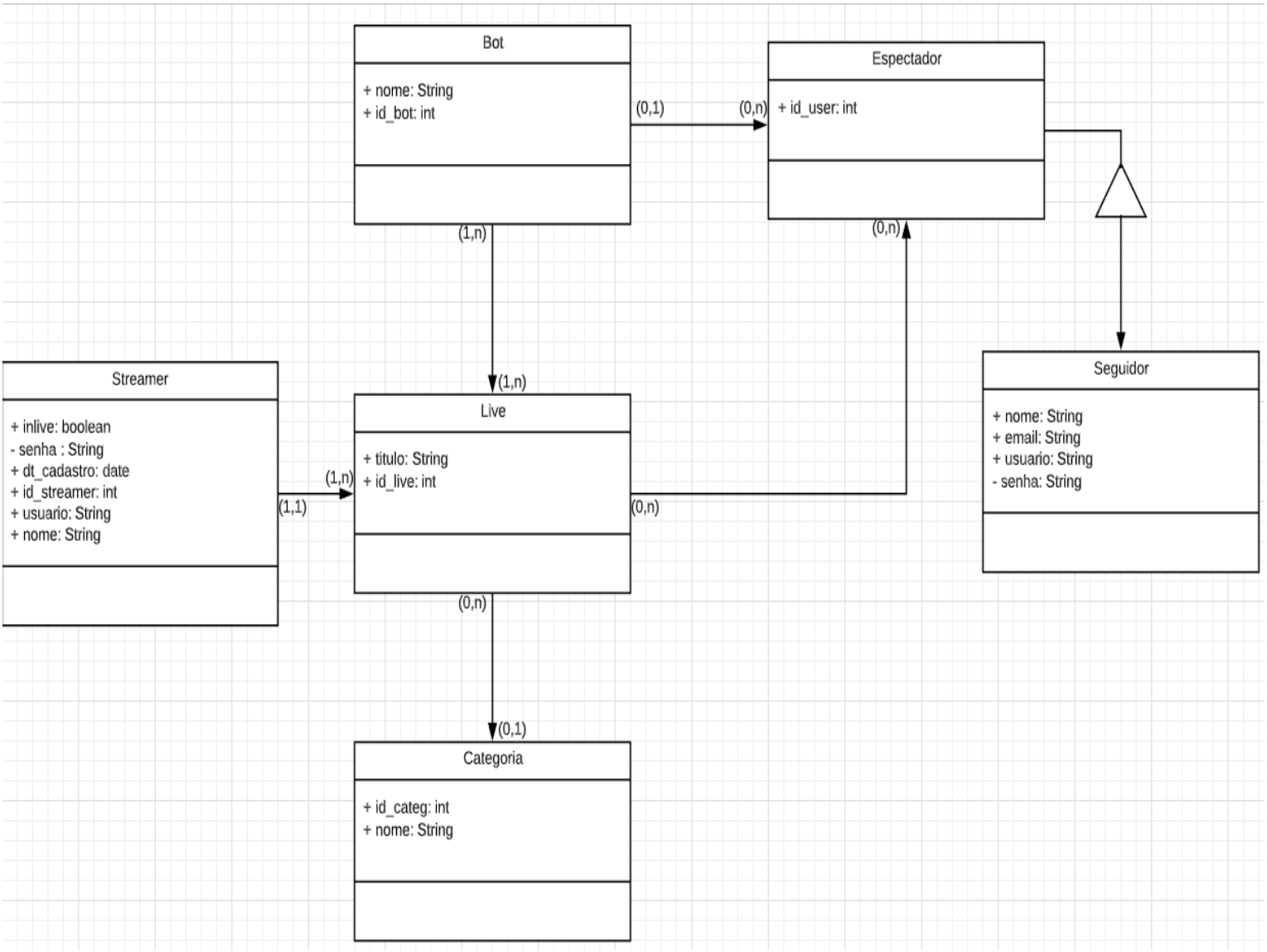
3) Select id_streamer, dt_cadastro from streamer where YEAR(streamer.dt_cadastro) = 2019 group by MONTH(streamer.dt_cadastro);

4) Select id_bot, nome FROM bot;

5) select live.id_live, live.titulo, categoria.nome from live, categoria where live.id_categ = categoria.id_categ order by categoria.nome;

3.0. Análise e Design

3.1. Diagrama de Classes



4.0. Arquitetura do Software

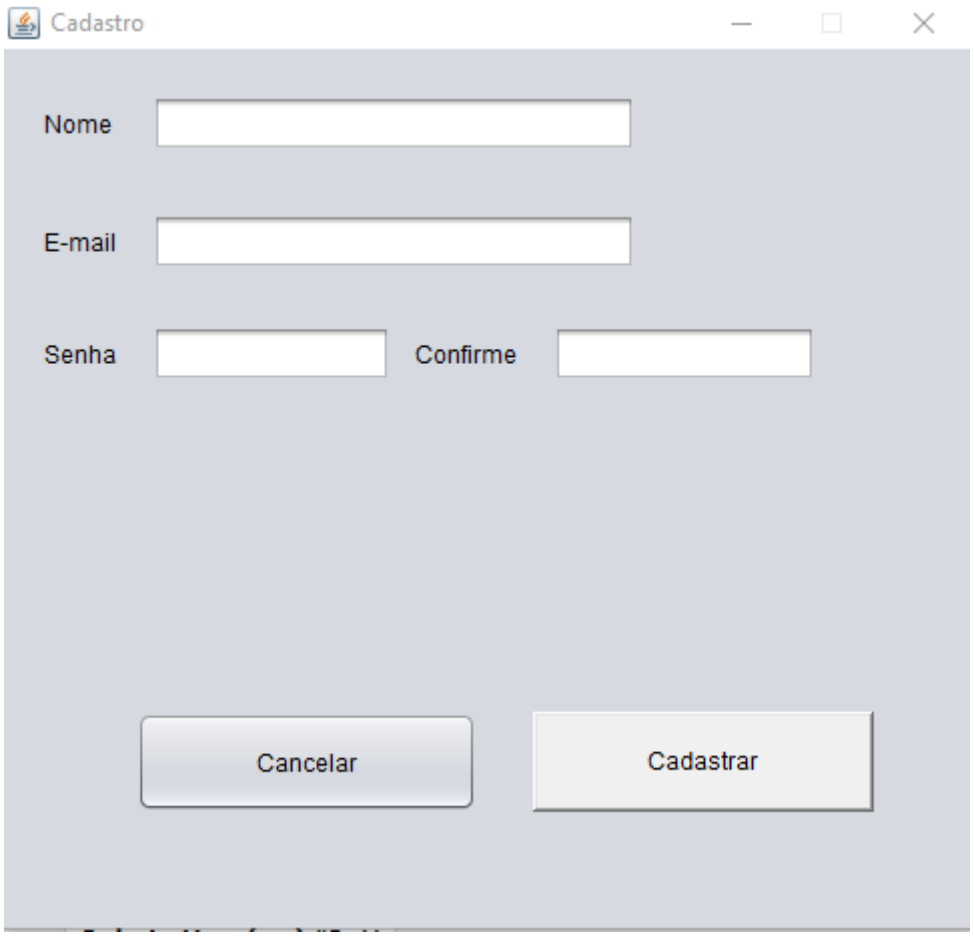
4.1. Padrão de projeto

Padrão MVC é um padrão de arquitetura de Software, onde ele vai separar sua aplicação em 3 camadas, a camada de interação com usuário (View), a camada de manipulação dos dados (Model) e a camada de controle (Controller).

4.2. Protótipo

4.2.1. Telas e Classes da camada View, Requisitos Funcionais e os Códigos das Classes

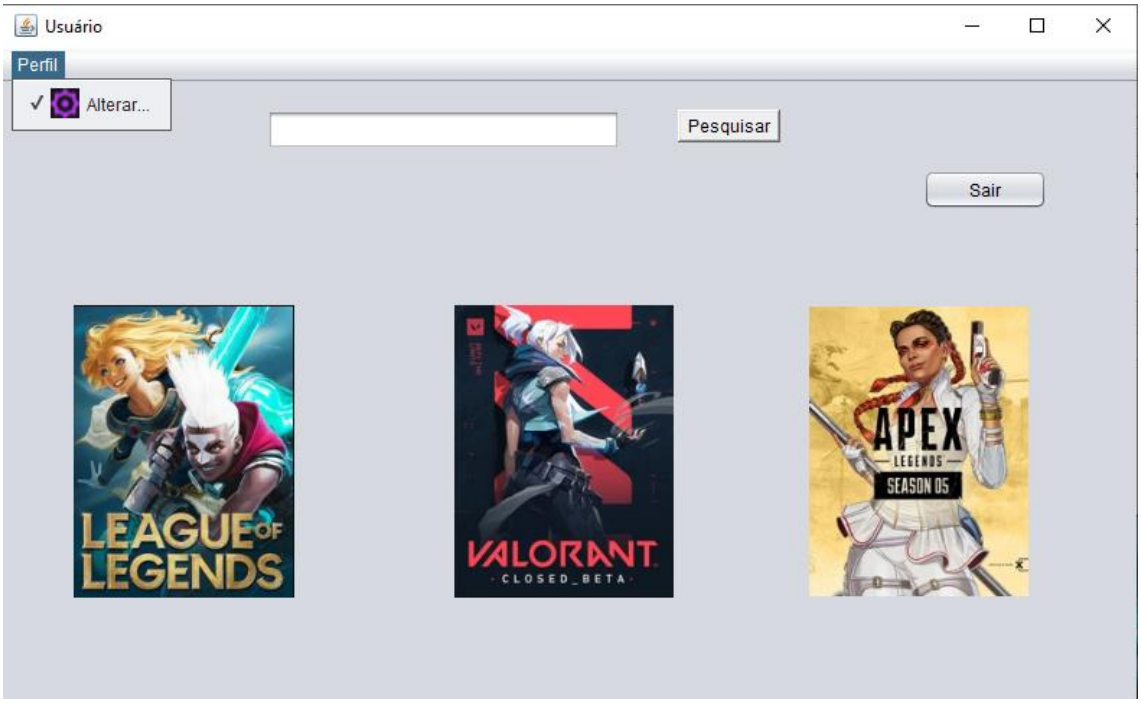
Na **TelaInicial.java**, temos 5 botões, cada um com suas respectivas funções, onde o próprio nome do botão já indica sua funcionalidade, ao clicar em um dos botões, o usuário será direcionado a respectiva tela responsável pela função que os botões indicam.



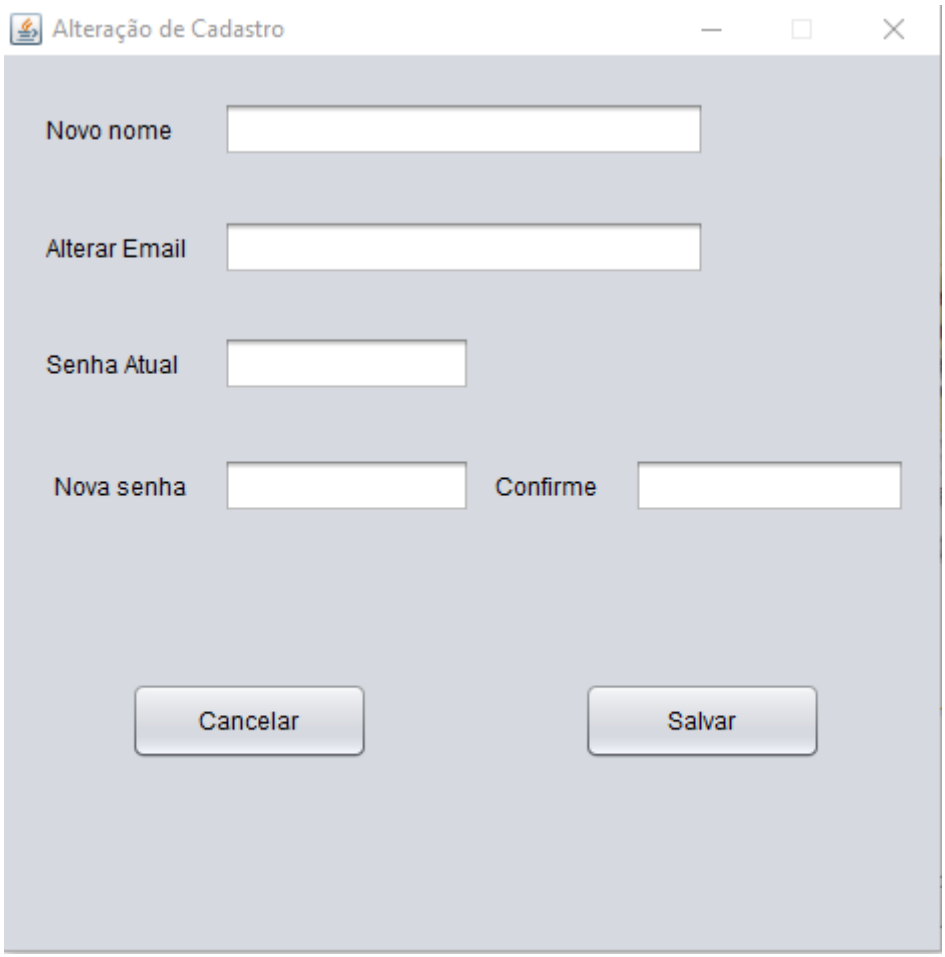
A **TelaCadastro.java** será usada para todos os tipos de cadastro, como Streamer ou Seguidor, preenchendo os campos de textos e os de senha e clicando em 'Cadastrar' para finalizar e concluir o cadastro ou em 'cancelar' para não realizar nenhum registro.

A **TelaLogin.java**, será mostrada caso o usuário escolha a opção de ‘acessar’ e tenha realizado cadastro, seja como Streamer ou Espectador para, e nesta tela também há uma funcionalidade para os usuários cadastrados que esqueceram suas senhas, fazendo com que ao clicar, sejam redirecionados para outra tela (TelaEsqueci) onde poderá estar criando uma nova senha.

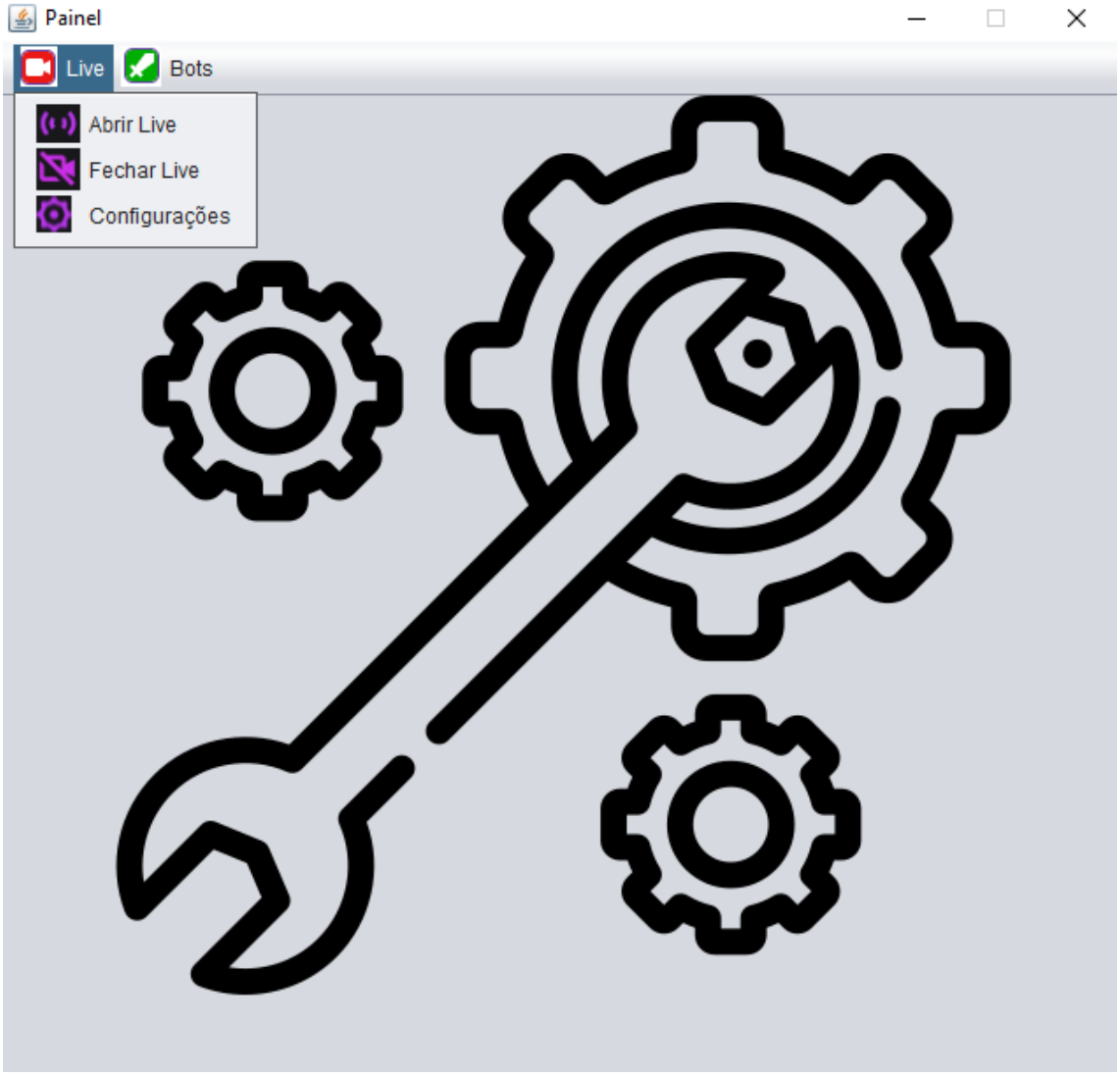
A **TelaEsqueci.java** é exibida após um usuário cadastrado clicar em ‘esqueci senha’, funcionalidade da **Tela Login**, para que o usuário possa criar sua nova senha, preenchendo os demais campos (Texto e Senha) e clicando em ‘Salvar’ para que a operação seja realizada, ou em ‘Cancelar’ para abortar a alteração, caso ele lembre da senha durante a etapa.



A **TelaSeguidor.java** será exibida após o usuário que anteriormente, realizou um cadastro como seguidor, fizer o Login, tendo um botão 'Sair' para fechar a tela, um menu 'Perfil' com um item de menu chamado 'Alterar...' que ao ser clicado, irá direcionar o usuário a **Tela de Alteração de Cadastro**, onde poderá alterar seu nome, email e senha, preenchendo os campos solicitados e salvando as alterações, clicando no botão 'Salvar'.

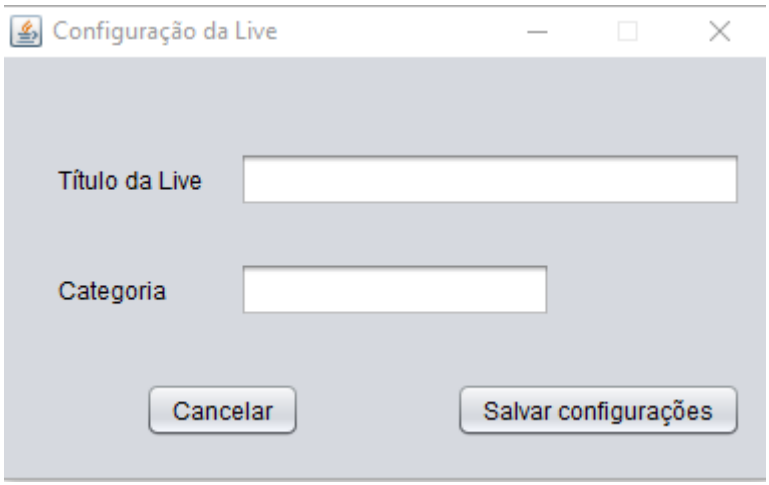


A **TelaAlterar.java**, será exibida após o usuário Seguidor clicar em ‘Alterar’, funcionalidade esta que se encontra na **Tela de Seguidor**, onde ao preencher os campos de texto e senha e clicando no botão de ‘Salvar’ irá realizar as alterações nos registros de seu cadastro, ou clicando no botão ‘Cancelar’ para desistir de efetuar as alterações.

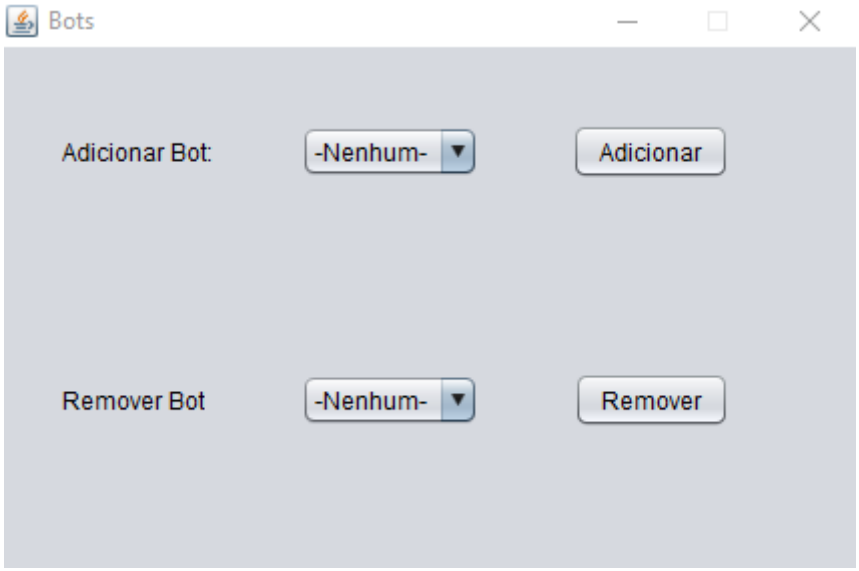


A **TelaStreamer.java** será exibida após o usuário cadastrado como Streamer realizar o Login, tendo itens de Menu como ‘Abrir Live’ que ao ser clicado irá exibir a mensagem “Transmissão Iniciada” e ‘Fechar Live’ trará a mensagem “Transmissão Encerrada”, já o item Configurações irá abrir a **Tela de Configuração da Live**, para que o Streamer preencha os campos de Título e Categoria referentes a Live, tendo como opção um botão de ‘Salvar Configurações’ ou ‘Cancelar’ para abortar operação.

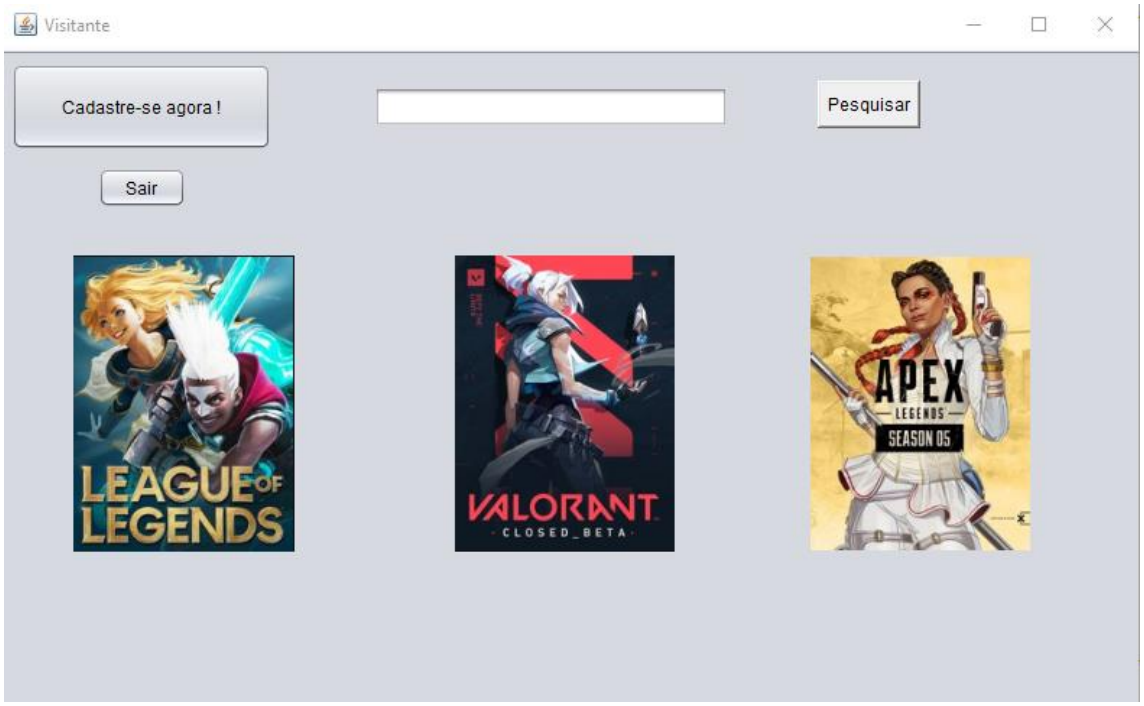
Nesta mesma **Tela de Streamer** em ‘Bots’ haverá um item de menu ‘Configurar’ que irá trazer a **Tela de Bots**.



A **Tela LiveConfig.java** será exibida caso o Streamer clique em ‘Configurações’, ao preencher os campos, clicando em ‘Salvar configurações’ irá finalizar e concluir a operação, e ‘Cancelar’ irá fechar a tela sem realizar alguma alteração.



A **TelaBots.java**, exibida após o Streamer clicar em ‘Bots’ e em ‘Configurar’ funcionalidades que pertencem a **Tela Streamer**, para que o Streamer decida qual Bot ele quer adicionar ou remover, selecionando por nome nas caixas de seleção e finalizando a operação ao clicar nos botões ‘Adicionar’ ou ‘Remover’.



A **TelaVisitante.java** será exibida para o usuário que ainda não é cadastrado em nenhuma das opções, ou que simplesmente decidam acessar como visitante, funcionalidade disponível na **Tela de Login**, ao clicar no botão 'Acesar', terá botão de 'Sair' para fechar a tela e um botão 'Cadastre-se agora!' caso o visitante tenha interesse em se cadastrar, ao clicar no botão de 'Cadastre-se agora' o visitante será direcionado para a **Tela de Cadastro**.

Códigos das Classes View

TelaInicial.java:

```
package view;

/**
 *
 * @author diego
 */
public class TelaInicial extends javax.swing.JFrame {

    /**
     * Creates new form telaInicial
     */
    public TelaInicial() {
        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();
        CadEspec = new javax.swing.JButton();
        AcLogin = new javax.swing.JButton();
```

```
        jLabel3 = new javax.swing.JLabel();
        AcVisit = new javax.swing.JButton();
        CadStr = new javax.swing.JButton();
        SairInicial = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Início");
        setResizable(false);

        CadEspec.setText("Cadastrar como Espectador");
        CadEspec.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                CadEspecActionPerformed(evt);
            }
        });

        AcLogin.setText("Acessar");
        AcLogin.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AcLoginActionPerformed(evt);
            }
        });

        jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/tv2.gif"))); // NOI18N

        AcVisit.setText("Acessar como visitante");
        AcVisit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AcVisitActionPerformed(evt);
            }
        });
```

```
        CadStr.setText("Cadastrar como Streamer");
        CadStr.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                CadStrActionPerformed(evt);
            }
        });

        SairInicial.setText("Sair");
        SairInicial.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SairInicialActionPerformed(evt);
            }
        });

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(53, 53, 53)
                .addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 99,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(SairInicial,
javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(33, 33, 33)
                        .addComponent(AcLogin))
```

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

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

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

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

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 116,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

            .addGap(156, 156, 156))

        );

        jPanel1Layout.setVerticalGroup(


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

            .addGroup(jPanel1Layout.createSequentialGroup()


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

                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addGap(245, 245, 245)

                    .addComponent(jLabel1))

                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addContainerGap()

                    .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 177,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addGap(42, 42, 42)

                    .addComponent(CadEspec)))


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

            .addComponent(CadStr)


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

```
            .addComponent(AcVisit)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 28,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                .addComponent(AcLogin)
                .addComponent(SairInicial))
            .addContainerGap())
        );

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void CadEspecActionPerformed(java.awt.event.ActionEvent evt) {
        TelaCadastro telCad = new TelaCadastro();
        telCad.setVisible(true);
    }

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

```
        TelaCadastro telCad = new TelaCadastro();
        telCad.setVisible(true);
    }

    private void AcVisitActionPerformed(java.awt.event.ActionEvent evt) {
        TelaVisitante telVisit = new TelaVisitante();
        telVisit.setVisible(true);
    }

    private void AcLoginActionPerformed(java.awt.event.ActionEvent evt) {
        TelaLogin telLog = new TelaLogin();
        telLog.setVisible(true);
    }

    private void SairInicialActionPerformed(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.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(TelaInicial.class.getName()).log(java.util.logging
.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(TelaInicial.class.getName()).log(java.util.logging
.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(TelaInicial.class.getName()).log(java.util.logging
.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(TelaInicial.class.getName()).log(java.util.logging
.Level.SEVERE, null, ex);
    }
    //</editor-fold>
    //</editor-fold>

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

// Variables declaration - do not modify
private javax.swing.JButton AcLogin;
private javax.swing.JButton AcVisit;
private javax.swing.JButton CadEspec;
private javax.swing.JButton CadStr;
```

```
    private javax.swing.JButton SairInicial;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    // End of variables declaration
}
```

TelaCadastro.java:

```
package view;

import javax.swing.JOptionPane;

/**
 *
 * @author diego
 */
public class TelaCadastro extends javax.swing.JFrame {

    /**
     * Creates new form telaCadastro
     */
    public TelaCadastro() {
        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() {

        verif = new javax.swing.ButtonGroup();
        BotaoCad = new java.awt.Button();
        jLabel1 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
```

```
jTextField2 = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
jPasswordField1 = new javax.swing.JPasswordField();
jLabel4 = new javax.swing.JLabel();
jPasswordField2 = new javax.swing.JPasswordField();
CancelarCad = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Cadastro");
setResizable(false);

BotaoCad.setLabel("Cadastrar");
BotaoCad.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        BotaoCadActionPerformed(evt);
    }
});

jLabel1.setText("Nome");

jLabel2.setText("E-mail");

jLabel3.setText("Senha");

jLabel4.setText("Confirme");

CancelarCad.setText("Cancelar");
CancelarCad.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        CancelarCadActionPerformed(evt);
    }
});
```

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

        getContentPane().setLayout(layout);

        layout.setHorizontalGroup(

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

            .addGroup(layout.createSequentialGroup()

                .addGap(21, 21, 21)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)

                    .addComponent(jLabel2)

                    .addComponent(jLabel3)

                    .addComponent(jLabel1))

                .addGap(18, 18, 18)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G, false)

                        .addComponent(jTextField2,
javax.swing.GroupLayout.DEFAULT_SIZE, 241, Short.MAX_VALUE)

                        .addComponent(jTextField1))

                    .addGroup(layout.createSequentialGroup()

                        .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 119,
javax.swing.GroupLayout.PREFERRED_SIZE)


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

                        .addComponent(jLabel4)

                        .addGap(18, 18, 18)

                        .addComponent(jPasswordField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 131,
javax.swing.GroupLayout.PREFERRED_SIZE)))

                .addContainerGap(77, Short.MAX_VALUE))

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

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

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

            .addGap(28, 28, 28)

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

            .addGap(48, 48, 48))

      );

      layout.setVerticalGroup(

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

         .addGroup(layout.createSequentialGroup()

            .addGap(23, 23, 23)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)

               .addComponent(jLabel1)

               .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(31, 31, 31)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)

               .addComponent(jLabel2)

               .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(28, 28, 28)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELIN
E)

               .addComponent(jLabel3)

               .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

               .addComponent(jLabel4)
```

```
                .addComponent(jPasswordField2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))


.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 165,
Short.MAX_VALUE)


.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)

                .addComponent(BotaoCad,
javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(CancelarCad,
javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(58, 58, 58))

        );


        pack();

        setLocationRelativeTo(null);

    }// </editor-fold>


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

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

    }


    private void CancelarCadActionPerformed(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.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(TelaCadastro.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

java.util.logging.Logger.getLogger(TelaCadastro.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

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

```
        }
      });
    }

    // Variables declaration - do not modify
    private java.awt.Button BotaoCad;
    private javax.swing.JButton CancelarCad;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JPasswordField jPasswordField1;
    private javax.swing.JPasswordField jPasswordField2;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.ButtonGroup verif;
    // End of variables declaration
}
```

TelaLogin.java:

```
package view;

import javax.swing.JOptionPane;

/**
 *
 * @author diego
 */
public class TelaLogin extends javax.swing.JFrame {

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

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
```

```
        txtLogin = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        txtSenha = new javax.swing.JPasswordField();
        EntrarLogin = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        EsqueciSenha = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Login");
        setResizable(false);

        jPanel1.setToolTipText("");

        jLabel1.setText("Login");

        jLabel2.setText("Senha");

        EntrarLogin.setText("Entrar");
        EntrarLogin.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                EntrarLoginActionPerformed(evt);
            }
        });

        jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/tv2.gif"))); //
NOI18N

        EsqueciSenha.setText("Esqueci Senha");
        EsqueciSenha.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
            EsqueciSenhaActionPerformed(evt);
        }
    });

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(0, 47, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING, false)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(EsqueciSenha,
javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(EntrarLogin,
javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(jLabel2)
                .addComponent(txtLogin,
javax.swing.GroupLayout.PREFERRED_SIZE, 250,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel1)
                .addComponent(txtSenha,
javax.swing.GroupLayout.PREFERRED_SIZE, 250,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(27, 27, 27))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
```

```
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel3)
            .addGap(107, 107, 107))
        );
        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap(25, Short.MAX_VALUE)
            .addComponent(jLabel3)
            .addGap(18, 18, 18)
            .addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
            .addComponent(txtLogin,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jLabel2)

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

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

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

```
                    .addGap(44, 44, 44))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                    .addComponent(EntrarLogin,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18))))
        );

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

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

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



if(txtLogin.getText().equals("paulobg0")&&txtSenha.getText().equals("paulo
#13")){
            JOptionPane.showMessageDialog(null, "Bem Vindo");
            TelaSeguidor telSeg = new TelaSeguidor();
        telSeg.setVisible(true);
         }else{

if(txtLogin.getText().equals("evandro369")&&txtSenha.getText().equals("Ev
andro159")){
            JOptionPane.showMessageDialog(null, "Bem Vindo");
            TelaStreamer telStr = new TelaStreamer();
            telStr.setVisible(true);
            }else{
                JOptionPane.showMessageDialog(null, "Acesso Negado!");


            }
       }




    }


    private void EsqueciSenhaActionPerformed(java.awt.event.ActionEvent
evt) {
        TelaEsqueci telEsq = new TelaEsqueci();
        telEsq.setVisible(true);
    }


    /**
```

```
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(TelaLogin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(TelaLogin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(TelaLogin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(TelaLogin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

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

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

    // Variables declaration - do not modify
    private javax.swing.JButton EntrarLogin;
    private javax.swing.JButton EsqueciSenha;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JTextField txtLogin;
    private javax.swing.JPasswordField txtSenha;
    // End of variables declaration
}
```

TelaEsqueci.java:

```
package view;

import javax.swing.JOptionPane;

/**
 *
 * @author diego
 */
public class TelaEsqueci extends javax.swing.JFrame {

    /**
     * Creates new form TelaEsqueci
     */
    public TelaEsqueci() {
        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();
        jTextField1 = new javax.swing.JTextField();
```

```
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPasswordField1 = new javax.swing.JPasswordField();
        jLabel3 = new javax.swing.JLabel();
        jPasswordField2 = new javax.swing.JPasswordField();
        SalvarSenhaNova = new javax.swing.JButton();
        CancelarSenhaNova = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Esqueci senha");
        setResizable(false);

        jLabel1.setText("Digite seu email:");

        jLabel2.setText("Nova senha");

        jLabel3.setText("Confirme");

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

        CancelarSenhaNova.setText("Cancelar");
        CancelarSenhaNova.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                CancelarSenhaNovaActionPerformed(evt);
```

```
        }
    });

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

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.TRAILING, false)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(26, 26, 26)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
                    .addComponent(jLabel1)
                    .addComponent(jLabel2)
                    .addComponent(jLabel3))
                .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.TRAILING)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 225,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRA
ILING, false)
                        .addComponent(jPasswordField2,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 158, Short.MAX_VALUE)
```

```
                        .addComponent(jPasswordField1,
javax.swing.GroupLayout.Alignment.LEADING))))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(57, 57, 57)
                    .addComponent(CancelarSenhaNova,
javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(SalvarSenhaNova,
javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(53, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(69, 69, 69)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
                    .addComponent(jLabel1)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(27, 27, 27)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
                    .addComponent(jLabel2)
                    .addComponent(jPasswordField1,
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.Alig
nment.LEADING)

                .addComponent(jLabel3)

                .addComponent(jPasswordField2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

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

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

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

            .addGap(33, 33, 33))

      );


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

      getContentPane().setLayout(layout);

      layout.setHorizontalGroup(


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

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

      );

      layout.setVerticalGroup(


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

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

```
        );


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


    private void
SalvarSenhaNovaActionPerformed(java.awt.event.ActionEvent evt) {
        JOptionPane.showMessageDialog(null,"Senha alterada");
    }


    private void
CancelarSenhaNovaActionPerformed(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.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(TelaEsqueci.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(TelaEsqueci.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(TelaEsqueci.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(TelaEsqueci.class.getName()).log(java.ut
il.logging.Level.SEVERE, null, ex);
    }
    //</editor-fold>

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

// Variables declaration - do not modify
private javax.swing.JButton CancelarSenhaNova;
private javax.swing.JButton SalvarSenhaNova;
private javax.swing.JLabel jLabel1;
```

```
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPasswordField jPasswordField1;
    private javax.swing.JPasswordField jPasswordField2;
    private javax.swing.JTextField jTextField1;
    // End of variables declaration
}
```

Tela Seguidor:

```
package view;

/**
 *
 * @author diego
 */
public class TelaSeguidor extends javax.swing.JFrame {

    /**
     * Creates new form telaSeguidor
     */
    public TelaSeguidor() {
        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() {

        jColorChooser1 = new javax.swing.JColorChooser();
        jPanel1 = new javax.swing.JPanel();
        jTextField1 = new javax.swing.JTextField();
        button1 = new java.awt.Button();
```

```
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        SairSeguidor = new javax.swing.JButton();
        jMenuBar1 = new javax.swing.JMenuBar();
        PerfilSeguidor = new javax.swing.JMenu();
        AlterarPerfilSeguidor = new javax.swing.JCheckBoxMenuItem();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Usuário");

        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });

        button1.setLabel("Pesquisar");
        button1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                button1ActionPerformed(evt);
            }
        });

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

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

```
        jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/LOL.png"))); //
NOI18N


        SairSeguidor.setText("Sair");
        SairSeguidor.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SairSeguidorActionPerformed(evt);
            }
        });


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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(49, 49, 49)
                .addComponent(jLabel2)
                .addGap(111, 111, 111)
                .addComponent(jLabel4)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
94, Short.MAX_VALUE)
                .addComponent(jLabel3)
                .addGap(75, 75, 75))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(183, 183, 183)
                .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 245,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(40, 40, 40)
```

```
            .addComponent(button1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

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

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

            .addComponent(SairSeguidor,
javax.swing.GroupLayout.PREFERRED_SIZE, 86,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(62, 62, 62))

      );

      jPanel1Layout.setVerticalGroup(


jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addGap(20, 20, 20)


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

                .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(button1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(14, 14, 14)

            .addComponent(SairSeguidor)

            .addGap(67, 67, 67)


.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.TRAILING)
                    .addComponent(jLabel4)
                    .addComponent(jLabel2))
                .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 205,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(71, Short.MAX_VALUE))
        );


        PerfilSeguidor.setText("Perfil");


        AlterarPerfilSeguidor.setSelected(true);
        AlterarPerfilSeguidor.setText("Alterar...");
        AlterarPerfilSeguidor.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/Screenshot_4.png
"))); // NOI18N
        AlterarPerfilSeguidor.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AlterarPerfilSeguidorActionPerformed(evt);
            }
        });
        PerfilSeguidor.add(AlterarPerfilSeguidor);


        jMenuBar1.add(PerfilSeguidor);


        setJMenuBar(jMenuBar1);


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

```
        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );


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


    private void button1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }


    private void
AlterarPerfilSeguidorActionPerformed(java.awt.event.ActionEvent evt) {
TelaAlterar telAlt = new TelaAlterar();
telAlt.setVisible(true);
    }


    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt)
{
        // TODO add your handling code here:
    }


    private void SairSeguidorActionPerformed(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.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(TelaSeguidor.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(TelaSeguidor.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(TelaSeguidor.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

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

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

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

    // Variables declaration - do not modify
    private javax.swing.JCheckBoxMenuItem AlterarPerfilSeguidor;
    private javax.swing.JMenu PerfilSeguidor;
    private javax.swing.JButton SairSeguidor;
    private java.awt.Button button1;
    private javax.swing.JColorChooser jColorChooser1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JMenuBar jMenuBar1;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JTextField jTextField1;
    // End of variables declaration
}
```

TelaAlterar.java:

```
package view;

import javax.swing.JOptionPane;

/**
 *
 * @author diego
 */
public class TelaAlterar extends javax.swing.JFrame {

    /**
     * Creates new form telaCadastro
     */
    public TelaAlterar() {
        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() {

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

```
        jTextField1 = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        jPasswordField1 = new javax.swing.JPasswordField();
        jLabel4 = new javax.swing.JLabel();
        jPasswordField2 = new javax.swing.JPasswordField();
        CancelarAlt = new javax.swing.JButton();
        SalvarAlt = new javax.swing.JButton();
        jLabel5 = new javax.swing.JLabel();
        jPasswordField3 = new javax.swing.JPasswordField();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Alteração de Cadastro");
        setResizable(false);

        jLabel1.setText("Novo nome");

        jLabel2.setText("Alterar Email");

        jLabel3.setText("Nova senha");

        jLabel4.setText("Confirme");

        CancelarAlt.setText("Cancelar");
        CancelarAlt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                CancelarAltActionPerformed(evt);
            }
        });
```

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

        jLabel5.setText("Senha Atual");

        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(21, 21, 21)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(42, 42, 42)
                        .addComponent(CancelarAlt,
javax.swing.GroupLayout.PREFERRED_SIZE, 119,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
107, Short.MAX_VALUE)
                        .addComponent(SalvarAlt,
javax.swing.GroupLayout.PREFERRED_SIZE, 119,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(59, 59, 59))
                    .addGroup(layout.createSequentialGroup()
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
TRAILING)
                    .addComponent(jLabel3)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
                        .addComponent(jLabel2)
                        .addComponent(jLabel1)
                        .addComponent(jLabel5)))
                .addGap(18, 18, 18)

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING, false)
                        .addComponent(jTextField2,
javax.swing.GroupLayout.DEFAULT_SIZE, 241, Short.MAX_VALUE)
                        .addComponent(jTextField1))
                    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
TRAILING, false)
                            .addComponent(jPasswordField3,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 124, Short.MAX_VALUE)
                            .addComponent(jPasswordField1,
javax.swing.GroupLayout.Alignment.LEADING))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
                        .addComponent(jLabel4)
                        .addGap(18, 18, 18)
                        .addComponent(jPasswordField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 136,
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(23, 23, 23)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                    .addComponent(jLabel1)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(31, 31, 31)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                    .addComponent(jLabel2)
                    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(30, 30, 30)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                    .addComponent(jLabel5)
                    .addComponent(jPasswordField3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                .addComponent(jLabel3)
                .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4)
                .addComponent(jPasswordField2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(84, 84, 84)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                .addComponent(CancelarAlt,
javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(SalvarAlt,
javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(95, 95, 95))
        );


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


    private void SalvarAltActionPerformed(java.awt.event.ActionEvent evt) {
        JOptionPane.showMessageDialog(null,"As alterações foram
realizadas");
    }


    private void CancelarAltActionPerformed(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.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(TelaAlterar.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(TelaAlterar.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(TelaAlterar.class.getName()).log(java.uti
l.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

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

    // Variables declaration - do not modify
    private javax.swing.JButton CancelarAlt;
    private javax.swing.JButton SalvarAlt;
    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.JPasswordField jPasswordField1;
    private javax.swing.JPasswordField jPasswordField2;
    private javax.swing.JPasswordField jPasswordField3;
    private javax.swing.JTextField jTextField1;
```

```
    private javax.swing.JTextField jTextField2;
    private javax.swing.ButtonGroup verif;
    // End of variables declaration
}
```

TelaStreamer.java:

```
package view;

import javax.swing.JOptionPane;

/**
 *
 * @author diego
 */
public class TelaStreamer extends javax.swing.JFrame {

    /**
     * Creates new form telaStreamer
     */
    public TelaStreamer() {
        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();
```

```
        jMenuBar1 = new javax.swing.JMenuBar();
        AbrirLive = new javax.swing.JMenu();
        jMenuItem1 = new javax.swing.JMenuItem();
        FecharLive = new javax.swing.JMenuItem();
        ConfigLive = new javax.swing.JMenuItem();
        Bots = new javax.swing.JMenu();
        ConfigBot = new javax.swing.JMenuItem();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Painel");
        setResizable(false);


        jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/construcao.png"))
); // NOI18N


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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addContainerGap(63, Short.MAX_VALUE)
                .addComponent(jLabel1)
                .addGap(59, 59, 59))
        );
        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
```

```
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel1)
                .addGap(0, 45, Short.MAX_VALUE))
        );

        AbrirLive.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/LIVE.png"))); //
NOI18N
        AbrirLive.setText("Live");

        jMenuItem1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/ABRIRLIVE2.png")
)); // NOI18N
        jMenuItem1.setText("Abrir Live");
        jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem1ActionPerformed(evt);
            }
        });
        AbrirLive.add(jMenuItem1);

        FecharLive.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/FECHARLIVE2.png
"))); // NOI18N
        FecharLive.setText("Fechar Live");
        FecharLive.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                FecharLiveActionPerformed(evt);
            }
        });
        AbrirLive.add(FecharLive);
```

```
        ConfigLive.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/Screenshot_4.png
"))); // NOI18N
        ConfigLive.setText("Configurações");
        ConfigLive.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                ConfigLiveActionPerformed(evt);
            }
        });
        AbrirLive.add(ConfigLive);


        jMenuBar1.add(AbrirLive);


        Bots.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/BOTZADA.png")))
; // NOI18N
        Bots.setText("Bots");


        ConfigBot.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/Screenshot_4.png
"))); // NOI18N
        ConfigBot.setText("Configurar");
        ConfigBot.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                ConfigBotActionPerformed(evt);
            }
        });
        Bots.add(ConfigBot);


        jMenuBar1.add(Bots);


        setJMenuBar(jMenuBar1);
```

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void ConfigLiveActionPerformed(java.awt.event.ActionEvent evt)
{
        LiveConfig livConfig = new LiveConfig();
        livConfig.setVisible(true);
    }

    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent
evt) {
        JOptionPane.showMessageDialog(null,"Transmissão iniciada");
    }

    private void FecharLiveActionPerformed(java.awt.event.ActionEvent evt)
{
        JOptionPane.showMessageDialog(null,"Transmissão encerrada");
```

```
    }

    private void ConfigBotActionPerformed(java.awt.event.ActionEvent evt) {
        TelaBots telBot = new TelaBots();
        telBot.setVisible(true);
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the
default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

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

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

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

java.util.logging.Logger.getLogger(TelaStreamer.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

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

    // Variables declaration - do not modify
    private javax.swing.JMenu AbrirLive;
    private javax.swing.JMenu Bots;
    private javax.swing.JMenuItem ConfigBot;
    private javax.swing.JMenuItem ConfigLive;
    private javax.swing.JMenuItem FecharLive;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JMenuBar jMenuBar1;
    private javax.swing.JMenuItem jMenuItem1;
    private javax.swing.JPanel jPanel1;
```

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

LiveConfig.java:

```
package view;

import javax.swing.JOptionPane;

/**
 *
 * @author diego
 */
public class LiveConfig extends javax.swing.JFrame {

    /**
     * Creates new form LiveConfig
     */
    public LiveConfig() {
        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();
```

```
        jTextField1 = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        SalvarConfig = new javax.swing.JButton();
        CancelarConfig = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Configuração da Live");
        setResizable(false);

        jLabel1.setText("Título da Live");

        jLabel2.setText("Categoria");

        SalvarConfig.setText("Salvar configurações");
        SalvarConfig.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SalvarConfigActionPerformed(evt);
            }
        });

        CancelarConfig.setText("Cancelar");
        CancelarConfig.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                CancelarConfigActionPerformed(evt);
            }
        });

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

```
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(27, 27, 27)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
                    .addComponent(jLabel1)
                    .addComponent(jLabel2))
                .addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 251,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 156,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(70, 70, 70)
                .addComponent(CancelarConfig)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(SalvarConfig)
                .addContainerGap())
        );
        jPanel1Layout.setVerticalGroup(
```

```
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(47, 47, 47)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
                    .addComponent(jLabel1)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(27, 27, 27)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
                    .addComponent(jLabel2)
                    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
                    .addComponent(SalvarConfig)
                    .addComponent(CancelarConfig))
                .addGap(20, 20, 20))
        );


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

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


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


    private void SalvarConfigActionPerformed(java.awt.event.ActionEvent
evt) {
        JOptionPane.showMessageDialog(null,"Configurações aplicadas");
    }


    private void CancelarConfigActionPerformed(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.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(LiveConfig.class.getName()).log(java.util
.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {


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

        } catch (IllegalAccessException ex) {


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

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {


java.util.logging.Logger.getLogger(LiveConfig.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 LiveConfig().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton CancelarConfig;
    private javax.swing.JButton SalvarConfig;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    // End of variables declaration
}
```

TelaBots.java:

```
package view;

import javax.swing.JOptionPane;

/**
 *
 * @author diego
 */
public class TelaBots extends javax.swing.JFrame {

    /**
     * Creates new form TelaBots
     */
    public TelaBots() {
        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();
```

```
        jComboBox2 = new javax.swing.JComboBox<>();
        jLabel1 = new javax.swing.JLabel();
        AddBot = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jComboBox3 = new javax.swing.JComboBox<>();
        DelBot = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Bots");
        setResizable(false);

        jComboBox2.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "-Nenhum-",
"Groovy", "Holics", "Rythm", "Element", "Venom" }));

        jLabel1.setText("Adicionar Bot:");

        AddBot.setText("Adicionar");
        AddBot.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                AddBotActionPerformed(evt);
            }
        });

        jLabel2.setText("Remover Bot");

        jComboBox3.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "-Nenhum-",
"Groovy", "Holics", "Rythm", "Element", "Venom" }));

        DelBot.setText("Remover");
        DelBot.addActionListener(new java.awt.event.ActionListener() {
```

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

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(31, 31, 31)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
                .addComponent(jLabel1)
                .addComponent(jLabel2))
            .addGap(44, 44, 44)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING, false)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jComboBox3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(DelBot))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jComboBox2,
javax.swing.GroupLayout.PREFERRED_SIZE,
```

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

                    .addGap(46, 46, 46)

                    .addComponent(AddBot)))

            .addContainerGap(63, Short.MAX_VALUE))

      );

      jPanel1Layout.setVerticalGroup(


jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)

          .addGroup(jPanel1Layout.createSequentialGroup()

            .addGap(38, 38, 38)


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

                .addComponent(jLabel1)

                .addComponent(jComboBox2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(AddBot))


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


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

                .addComponent(jLabel2)

                .addComponent(jComboBox3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(DelBot))

            .addGap(72, 72, 72))

      );
```

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void AddBotActionPerformed(java.awt.event.ActionEvent evt) {
        JOptionPane.showMessageDialog(null,"Bot adicionado!");
    }

    private void DelBotActionPerformed(java.awt.event.ActionEvent evt) {
        JOptionPane.showMessageDialog(null,"Bot removido!");
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
```

```
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the
default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

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

java.util.logging.Logger.getLogger(TelaBots.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(TelaBots.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(TelaBots.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(TelaBots.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 TelaBots().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton AddBot;
    private javax.swing.JButton DelBot;
    private javax.swing.JComboBox<String> jComboBox2;
    private javax.swing.JComboBox<String> jComboBox3;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    // End of variables declaration
}
```

TelaVisitante.java:

```
package view;

/**
 *
 * @author diego
 */
public class TelaVisitante extends javax.swing.JFrame {

    /**
     * Creates new form telaSeguidor
     */
    public TelaVisitante() {
        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() {

        jColorChooser1 = new javax.swing.JColorChooser();
        jPanel1 = new javax.swing.JPanel();
```

```
        jTextField1 = new javax.swing.JTextField();
        button1 = new java.awt.Button();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        CadVisit = new javax.swing.JButton();
        SairVisit = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("Visitante");

        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });

        button1.setLabel("Pesquisar");
        button1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                button1ActionPerformed(evt);
            }
        });

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

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

```
        jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/LOL.png"))); //
NOI18N


        CadVisit.setText("Cadastre-se agora !");
        CadVisit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                CadVisitActionPerformed(evt);
            }
        });
        CadVisit.addVetoableChangeListener(new
java.beans.VetoableChangeListener() {
            public void vetoableChange(java.beans.PropertyChangeEvent
evt)throws java.beans.PropertyVetoException {
                CadVisitVetoableChange(evt);
            }
        });


        SairVisit.setText("Sair");
        SairVisit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                SairVisitActionPerformed(evt);
            }
        });


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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(49, 49, 49)
```

```
                .addComponent(jLabel2)
                .addGap(111, 111, 111)
                .addComponent(jLabel4)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
94, Short.MAX_VALUE)
                .addComponent(jLabel3)
                .addGap(75, 75, 75))
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addContainerGap()
                        .addComponent(CadVisit,
javax.swing.GroupLayout.PREFERRED_SIZE, 180,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(71, 71, 71)
                        .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 245,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(62, 62, 62)
                        .addComponent(button1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(66, 66, 66)
                        .addComponent(SairVisit,
javax.swing.GroupLayout.PREFERRED_SIZE, 61,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(145, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
```

```
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(7, 7, 7)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(12, 12, 12)
                        .addComponent(button1,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(CadVisit,
javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(SairVisit)
                .addGap(33, 33, 33)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(jLabel4)
                        .addComponent(jLabel2))
                    .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.TRAILING,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE, 205,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(106, 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)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

    private void button1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt)
{
        // TODO add your handling code here:
    }
```

```
    private void CadVisitVetoableChange(java.beans.PropertyChangeEvent
evt)throws java.beans.PropertyVetoException {
        // TODO add your handling code here:
    }

    private void CadVisitActionPerformed(java.awt.event.ActionEvent evt) {
TelaCadastro telCad = new TelaCadastro();
telCad.setVisible(true);

    }

    private void SairVisitActionPerformed(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.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(TelaVisitante.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(TelaVisitante.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(TelaVisitante.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(TelaVisitante.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
    }
    //</editor-fold>
    //</editor-fold>
    //</editor-fold>
    //</editor-fold>

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

// Variables declaration - do not modify
```

```
    public static javax.swing.JButton CadVisit;
    private javax.swing.JButton SairVisit;
    private java.awt.Button button1;
    private javax.swing.JColorChooser jColorChooser1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JTextField jTextField1;
    // End of variables declaration
}
```

4.2.2. Código das Classes Controller

StreamerController :

```
package controller;


import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;
import java.util.GregorianCalendar;
import javax.swing.JOptionPane;
import model.Streamer;


/**
 *
 * @author diego
 */
public class StreamerController {


    public boolean cadastrarStreamer(String nome, String email, String usuario, String senha){
        if(nome != null && nome.length() > 0 && email != null && email.length() > 0 && usuario != null & usuario.length() > 0 && senha != null && senha.length() > 0) {
        Streamer.getInstance().setNome(nome);
        Streamer.getInstance().setEmail(email);
```

```
        Streamer.getInstance().setUsuario(usuario);
        Streamer.getInstance().setSenha(senha);
        Streamer.getInstance().cadastrarStreamer(Streamer.getInstance());

                Date date = new Date();
                Streamer.getInstance().setDt_cadastro(date);

                System.out.println(Streamer.getInstance().getDt_cadastro());

        return true;
        }

        return false;
    }




}
```

SeguidorController :

```
package controller;


import model.Seguidor;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;
import java.util.GregorianCalendar;
import javax.swing.JOptionPane;


/**
 *
 * @author diego
 */
public class SeguidorController {
    public boolean cadastrarSeguidor(String nome, String email, String
usuario, String senha){
        if(nome != null && nome.length() > 0 && email != null &&
email.length() > 0 && usuario != null & usuario.length() > 0 && senha !=
null && senha.length() > 0){
        Seguidor.getInstance().setNome(nome);
        Seguidor.getInstance().setEmail(email);
        Seguidor.getInstance().setUsuario(usuario);
        Seguidor.getInstance().setSenha(senha);
        Seguidor.getInstance().cadastrarSeguidor(Seguidor.getInstance());


                Date date = new Date();
                Seguidor.getInstance().setDt_cadastro(date);


                System.out.println(Seguidor.getInstance().getDt_cadastro());
```

```
        return true;
        }
        return false;
    }

}
```

LiveController:

```
package controller;

import model.Live;

/**
 *
 * @author diego
 */
public class LiveController {
    public boolean configTitulo(String titulo){
        if(titulo != null && titulo.length() > 0){
            Live live = new Live(titulo);
            live.configTitulo(live);
            return true;

        }
        return false;
    }

}
```

CategoriaController:

```
package controller;

import model.Categoria;

/**
 *
 * @author diego
 */
public class CategoriaController {
    public boolean configNome(String nome){
        if(nome != null && nome.length() > 0){
        Categoria categoria = new Categoria(nome);
        categoria.configNome(categoria);
        return true;
    }
    return false;
}
}
```

BotController:

```
package controller;

import model.Bot;

/**
 *
 * @author diego
 */
public class BotController {
    public boolean addBot(String nome){
        if(nome != null && nome.length() > 0){
            Bot bot = new Bot(nome);
            bot.addBot(bot);
            return true;
        }
        return false;
    }

}
```

4.2.3. Classes Model

Streamer.java :

```
package model;



import dao.ExceptionDAO;
import dao.StreamerDAO;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Date;



/**
 *
 * @author diego
 */
public class Streamer {
   private Integer id_streamer;
   private String nome;
   private String usuario;
   private String senha;
   private Date dt_cadastro;
   private String email;
   private boolean inlive;
   private ArrayList<Live> lives = new ArrayList<Live>();
   private static Streamer uniqueInstance;
```

```
    public Streamer(Integer id_streamer, String nome, String usuario, String
senha, Date dt_cadastro, String email, boolean inlive) {
        this.id_streamer = id_streamer;
        this.nome = nome;
        this.usuario = usuario;
        this.senha = senha;
        this.dt_cadastro = dt_cadastro;
        this.email = email;
        this.inlive = inlive;
    }

    public Streamer(String nome, String email, String usuario, String senha)
{
        this.nome = nome;
        this.email = email;
        this.usuario = usuario;
        this.senha = senha;

    }

    public Streamer () {
    }

    public static synchronized Streamer getInstance() {
        if (uniqueInstance == null)
            uniqueInstance = new Streamer();

        return uniqueInstance;
    }

    public Integer getId_streamer() {
```

```
    return id_streamer;
}

public void setId_streamer(Integer id_streamer) {
    this.id_streamer = id_streamer;
}

public String getNome() {
    return nome;
}

public void setNome(String nome) {
    this.nome = nome;
}

public String getUsuario() {
    return usuario;
}

public void setUsuario(String usuario) {
    this.usuario = usuario;
}

public String getSenha() {
    return senha;
}

public void setSenha(String senha) {
    this.senha = senha;
}
```

```
public String getDt_cadastro() {
    DateFormat dateFormat = new SimpleDateFormat("yyyy-MM-dd");
    return dateFormat.format(dt_cadastro);
}

public void setDt_cadastro(Date dt_cadastro) {
    this.dt_cadastro = dt_cadastro;
}

public String getEmail() {
    return email;
}

public void setEmail(String email) {
    this.email = email;
}

public boolean isInlive() {
    return inlive;
}

public void setInlive(boolean inlive) {
    this.inlive = inlive;
}

public ArrayList<Live> getLives() {
    return lives;
}

public void setLives(ArrayList<Live> lives) {
    this.lives = lives;
```

```
    }

   public void cadastrarStreamer(Streamer streamer) throws ExceptionDAO
{
       new StreamerDAO().cadastrarStreamer(streamer);



   }




}
```

Espectador.java :

```
package model;

import java.util.ArrayList;

/**
 *
 * @author diego
 */
public class Espectador {
    protected Integer id_user;
    protected ArrayList<Live> lives = new ArrayList<Live>();

    public Espectador(Integer id_user, ArrayList<Live>lives) {
        this.id_user = id_user;
        this.lives = lives;
    }
    public Espectador(){

    }

    public Integer getId_user() {
        return id_user;
    }

    public void setId_user(Integer id_user) {
        this.id_user = id_user;
    }

    public ArrayList<Live> getLives() {
```

```
        return lives;
    }

    public void setLives(ArrayList<Live> lives) {
        this.lives = lives;
    }
}
```

Espectador_Seguidor.java :

```
package model;


import dao.Espectador_SeguidorDAO;
import dao.ExceptionDAO;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Date;

/**
 *
 * @author diego
 */
public class Espectador_Seguidor extends Espectador {

    public Espectador_Seguidor(Integer id_user, ArrayList<Live> lives){
        super(id_user, lives);
    }

    protected String email;
    protected String usuario;
    protected String senha;
    protected String nome;
    protected Date dt_cadastro;
    private Integer id_bot;
    private static Espectador_Seguidor uniqueInstance;
```

```
    public Espectador_Seguidor(String email, String usuario, String senha,
String nome, Date dt_cadastro, Integer id_bot, Integer id_user,
ArrayList<Live> lives) {
        super(id_user, lives);
        this.email = email;
        this.usuario = usuario;
        this.senha = senha;
        this.nome = nome;
        this.dt_cadastro = dt_cadastro;
        this.id_bot = id_bot;
    }

    public Espectador_Seguidor(String nome, String email, String usuario,
String senha) {

        this.nome = nome;
        this.email = email;
        this.usuario = usuario;
        this.senha = senha;



    }
    private Espectador_Seguidor(){
    }
    public static synchronized Espectador_Seguidor getInstance() {
        if (uniqueInstance == null)
            uniqueInstance = new Espectador_Seguidor();
        return uniqueInstance;
    }
    public String getEmail() {
        return email;
    }
```

```
public void setEmail(String email) {
    this.email = email;
}

public String getUsuario() {
    return usuario;
}

public void setUsuario(String usuario) {
    this.usuario = usuario;
}

public String getSenha() {
    return senha;
}

public void setSenha(String senha) {
    this.senha = senha;
}

public String getNome() {
    return nome;
}

public void setNome(String nome) {
    this.nome = nome;
}

public Date getDt_cadastro() {
    return dt_cadastro;
```

```
    }

    public void setDt_cadastro(Date dt_cadastro) {
        this.dt_cadastro = dt_cadastro;
    }

    public Integer getId_bot() {
        return id_bot;
    }

    public void setId_bot(Integer id_bot) {
        this.id_bot = id_bot;
    }

    public static Espectador_Seguidor getUniqueInstance() {
        return uniqueInstance;
    }

    public static void setUniqueInstance(Espectador_Seguidor
uniqueInstance) {
        Espectador_Seguidor.uniqueInstance = uniqueInstance;
    }




    public void cadastrarSeguidor(Espectador_Seguidor seguidor) throws
ExceptionDAO {
        new Espectador_SeguidorDAO().cadastrarSeguidor(seguidor);



    }
```

```
}
```

Live.java :

```
package model;

import dao.ExceptionDAO;
import java.util.ArrayList;

/**
 *
 * @author diego
 */
public class Live {



    private Integer id_live;
    public  Integer id_categ;
    private String titulo;
    private Integer id_streamer;
    private ArrayList<Bot> bots = new ArrayList<Bot>();
    private ArrayList<Espectador> espectadores = new
ArrayList<Espectador> ();



    public Live(Integer id_live, Integer id_categ, String titulo, Integer
id_streamer) {
        this.id_live = id_live;
        this.id_categ = id_categ;
        this.titulo = titulo;
        this.id_streamer = id_streamer;
    }
    public Live(){
```

```
}

public Live(String titulo) {
    this.titulo = titulo;
}


public Integer getId_live() {
    return id_live;
}

public void setId_live(Integer id_live) {
    this.id_live = id_live;
}

public Integer getId_categ() {
    return id_categ;
}

public void setId_categ(Integer id_categ) {
    this.id_categ = id_categ;
}

public String getTitulo() {
    return titulo;
}

public void setTitulo(String titulo) {
    this.titulo = titulo;
}
```

```
    public Integer getId_streamer() {
        return id_streamer;
    }

    public void setId_streamer(Integer id_streamer) {
        this.id_streamer = id_streamer;
    }

    public ArrayList<Bot> getBots() {
        return bots;
    }

    public void setBots(ArrayList<Bot> bots) {
        this.bots = bots;
    }

    public ArrayList<Espectador> getEspectadores() {
        return espectadores;
    }

    public void setEspectadores(ArrayList<Espectador> espectadores) {
        this.espectadores = espectadores;
    }




public void configTitulo (Live live) {
```

```
}


}
```

Bot.java :

```
package model;

import dao.BotDAO;
import dao.ExceptionDAO;
import java.util.ArrayList;

/**
 *
 * @author diego
 */
public class Bot {
    private String nome;
    private Integer id_bot;
    private ArrayList<Live> lives = new ArrayList<Live>();

    public Bot(String nome, Integer id_bot) {
        this.nome = nome;
        this.id_bot = id_bot;
    }
    public Bot(){

    }

    public Bot(String nome) {
        this.nome = nome;
    }

    public String getNome() {
```

```
        return nome;
    }

    public void setNome(String nome) {
        this.nome = nome;
    }

    public Integer getId_bot() {
        return id_bot;
    }

    public void setId_bot(Integer id_bot) {
        this.id_bot = id_bot;
    }

    public ArrayList<Live> getLives() {
        return lives;
    }

    public void setLives(ArrayList<Live> lives) {
        this.lives = lives;
    }

    public void addBot(Bot bot) throws ExceptionDAO {
        new BotDAO().addBot(bot);

    }
}
```

Categoria.java :

```
package model;


import dao.ExceptionDAO;
import java.util.ArrayList;

/**
 *
 * @author diego
 */
public class Categoria {
    private Integer id_categ;
    public String nome;
    private ArrayList<Live> lives = new ArrayList<Live>();

    public Categoria(Integer id_categ, String nome) {
        this.id_categ = id_categ;
        this.nome = nome;
    }
public Categoria(){

}

    public Categoria(String nome) {
        this.nome = nome;
    }
    public Integer getId_categ() {
        return id_categ;
```

```
    }

    public void setId_categ(Integer id_categ) {
        this.id_categ = id_categ;
    }

    public String getNome() {
        return nome;
    }

    public void setNome(String nome) {
        this.nome = nome;
    }

    public ArrayList<Live> getLives() {
        return lives;
    }

    public void setLives(ArrayList<Live> lives) {
        this.lives = lives;
    }


public void configNome(Categoria categoria) {


}


}
```

4.2.4. Classes DAO

ConnectionDAO :

```
package dao;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

/**
 *
 * @author diego
 */
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/cadastro_lives?
useSSL=false", "root", "");
```

```
        } catch (SQLException e) {
            e.printStackTrace();
        }
        return conn;
    }

}
```

ExceptionDAO :

```
package dao;


/**
 *
 * @author diego
 */
public class ExceptionDAO extends Exception {
    public ExceptionDAO(String mensagem) {
        super(mensagem);
    }

}
```

StreamerDAO :

```
package dao;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import model.Streamer;

/**
 *
 * @author diego
 */
public class StreamerDAO {
    public void cadastrarStreamer(Streamer streamer) throws ExceptionDAO
{

        String sql = "insert into streamer (nome, email, usuario, senha) value
(?,?,?,?)";
        PreparedStatement pStatement = null;
        Connection connection = null;

        try {
            connection = new ConnectionMVC().getConnection();
            pStatement = connection.prepareStatement(sql);
            pStatement.setString(1, streamer.getNome());
            pStatement.setString(2, streamer.getEmail());
            pStatement.setString(3, streamer.getUsuario());
            pStatement.setString(4, streamer.getSenha());
            pStatement.execute();
        } catch (SQLException e) {
            throw new ExceptionDAO("Erro ao cadastrar streamer: " + 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);
    }
        }
    }
}
```

Espectador_SeguidorDAO :

```
package dao;


import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import model.Espectador_Seguidor;


/**
 *
 * @author diego
 */
public class Espectador_SeguidorDAO {
    public void cadastrarSeguidor(Espectador_Seguidor seguidor) throws
ExceptionDAO {


        String sql = "insert into espectador_seguidor (nome, email, usuario,
senha) value (?,?,?,?)";
        PreparedStatement pStatement = null;
        Connection connection = null;


        try {
            connection = new ConnectionMVC().getConnection();
            pStatement = connection.prepareStatement(sql);
            pStatement.setString(1, seguidor.getNome());
            pStatement.setString(2, seguidor.getEmail());
            pStatement.setString(3, seguidor.getUsuario());
            pStatement.setString(4, seguidor.getSenha());
            pStatement.execute();
        } catch (SQLException e) {
            throw new ExceptionDAO("Erro ao cadastrar seguidor: " + 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);
    }
        }
    }

}
```

BotDAO :

```
package dao;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import model.Bot;

/**
 *
 * @author diego
 */
public class BotDAO {
    public void addBot(Bot bot) throws ExceptionDAO {

        String sql = "insert into bot (nome) value (?)";
        PreparedStatement pStatement = null;
        Connection connection = null;

        try {
            connection = new ConnectionMVC().getConnection();
            pStatement = connection.prepareStatement(sql);
            pStatement.setString(1, bot.getNome());
            pStatement.execute();
        } catch (SQLException e) {
            throw new ExceptionDAO("Erro ao adicionar Bot: " + 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);
    }
        }
    }


}
```