/\*

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\* and open the template in the editor.

\*/

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//interfaz.java

//06/28/2018

package ventanas;

import java.awt.Color;

import java.util.Random;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

/\*\*

\*

\* @author gilbe

\*/

public class interfaz extends javax.swing.JFrame {

JPanel[][] celdas = new JPanel[10][10];

Color[] colores = { Color.blue, Color.red, Color.green, Color.cyan, Color.orange, Color.pink };

int intentos, cuadrosIguales;

/\*\*

\* Creates new form interfaz

\*/

public interfaz() {

initComponents();

this.setLocationRelativeTo(null); //para que aparezca en el centro de la pantalla

iniciarJuego();

}

public void iniciarJuego(){

jPanel1.removeAll();

this.cuadrosIguales = 0;

this.intentos=0;

Random rn = new Random();

int x;

for(int i = 0; i<this.celdas.length;i++){

for(int j = 0; j<this.celdas[i].length;j++){

x = rn.nextInt(this.colores.length);

this.celdas[i][j] = new JPanel();

this.celdas[i][j].setBackground(colores[x]);

jPanel1.add(this.celdas[i][j]);

}

}

}

/\*\*

\* 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() {

title = new javax.swing.JLabel();

botonAzul = new javax.swing.JButton();

botonRojo = new javax.swing.JButton();

botonVerde = new javax.swing.JButton();

botonNaranja = new javax.swing.JButton();

botonMorado = new javax.swing.JButton();

botonCyan = new javax.swing.JButton();

trys = new javax.swing.JLabel();

maxtrys = new javax.swing.JLabel();

reiniciar = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

fondo = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Pixelated");

setMaximumSize(new java.awt.Dimension(960, 685));

setMinimumSize(new java.awt.Dimension(960, 685));

setPreferredSize(new java.awt.Dimension(960, 685));

setResizable(false);

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

title.setFont(new java.awt.Font("Tahoma", 0, 36)); // NOI18N

title.setForeground(new java.awt.Color(255, 255, 255));

title.setText("Pixelated");

getContentPane().add(title, new org.netbeans.lib.awtextra.AbsoluteConstraints(800, 0, -1, -1));

botonAzul.setBackground(new java.awt.Color(0, 0, 255));

botonAzul.setForeground(new java.awt.Color(0, 0, 255));

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

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

botonAzulActionPerformed(evt);

}

});

getContentPane().add(botonAzul, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 100, 160, 90));

botonRojo.setBackground(new java.awt.Color(255, 0, 0));

botonRojo.setForeground(new java.awt.Color(255, 0, 0));

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

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

botonRojoActionPerformed(evt);

}

});

getContentPane().add(botonRojo, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 190, 160, 90));

botonVerde.setBackground(new java.awt.Color(0, 153, 51));

botonVerde.setForeground(new java.awt.Color(0, 153, 51));

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

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

botonVerdeActionPerformed(evt);

}

});

getContentPane().add(botonVerde, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 280, 160, 90));

botonNaranja.setBackground(new java.awt.Color(255, 153, 0));

botonNaranja.setForeground(new java.awt.Color(255, 153, 0));

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

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

botonNaranjaActionPerformed(evt);

}

});

getContentPane().add(botonNaranja, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 460, 160, 90));

botonMorado.setBackground(new java.awt.Color(255, 153, 153));

botonMorado.setForeground(new java.awt.Color(255, 153, 153));

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

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

botonMoradoActionPerformed(evt);

}

});

getContentPane().add(botonMorado, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 550, 160, 90));

botonCyan.setBackground(new java.awt.Color(0, 255, 255));

botonCyan.setForeground(new java.awt.Color(0, 255, 255));

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

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

botonCyanActionPerformed(evt);

}

});

getContentPane().add(botonCyan, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 370, 160, 90));

trys.setForeground(new java.awt.Color(255, 255, 255));

trys.setText("Intentos :");

getContentPane().add(trys, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 60, -1, -1));

maxtrys.setForeground(new java.awt.Color(255, 255, 255));

maxtrys.setText("Max intentos : 20");

getContentPane().add(maxtrys, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 40, -1, -1));

reiniciar.setFont(new java.awt.Font("Tahoma", 0, 10)); // NOI18N

reiniciar.setText("Reiniciar");

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

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

reiniciarActionPerformed(evt);

}

});

getContentPane().add(reiniciar, new org.netbeans.lib.awtextra.AbsoluteConstraints(880, 60, 70, 30));

jPanel1.setBackground(new java.awt.Color(255, 255, 255));

jPanel1.setLayout(new java.awt.GridLayout(10, 10));

getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 790, 660));

fondo.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/blackbg.jpg"))); // NOI18N

getContentPane().add(fondo, new org.netbeans.lib.awtextra.AbsoluteConstraints(779, 0, 180, 760));

pack();

}// </editor-fold>

public void perdiste(){

trys.setText("Intentos : " + this.intentos);

if(this.intentos>=20 && this.cuadrosIguales!=100){

JOptionPane.showMessageDialog(null,"Intentos agotados, perdiste" );

}

}

public void ganaste(){

this.cuadrosIguales= 0;

for(int i = 0; i <this.celdas.length; i++){

for(int j = 0; j<this.celdas[i].length; j++){

if(this.celdas[0][0].getBackground()==this.celdas[i][j].getBackground()){

this.cuadrosIguales++;

}

if(this.cuadrosIguales==100){

JOptionPane.showMessageDialog(null,"Ganaste en "+this.intentos+" intentos" );

}

}

}

}

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

// TODO add your handling code here:

pintaCuadros(Color.red, this.celdas[0][0].getBackground(), 0, 0);

this.intentos++;

ganaste();

perdiste();

}

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

// TODO add your handling code here:

pintaCuadros(Color.green,this.celdas[0][0].getBackground(), 0, 0);

this.intentos++;

ganaste();

perdiste();

}

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

// TODO add your handling code here:

pintaCuadros(Color.orange, this.celdas[0][0].getBackground(), 0, 0);

this.intentos++;

ganaste();

perdiste();

}

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

// TODO add your handling code here:

pintaCuadros(Color.pink,this.celdas[0][0].getBackground(), 0, 0);

this.intentos++;

ganaste();

perdiste();

}

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

// TODO add your handling code here:

pintaCuadros(Color.cyan, this.celdas[0][0].getBackground(), 0, 0);

this.intentos++;

ganaste();

perdiste();

}

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

// TODO add your handling code here:

pintaCuadros(Color.blue, this.celdas[0][0].getBackground(), 0, 0);

this.intentos++;

ganaste();

perdiste();

}

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

// TODO add your handling code here:

if(this.intentos>=20 || this.cuadrosIguales==100){

iniciarJuego();

trys.setText("Intentos : " + this.intentos);

}else{

JOptionPane.showMessageDialog(null,"Solo puedes reiniciar al terminar el juego" );

}

}

public void pintaCuadros(Color colorNuevo,Color colorViejo, int x, int y){

if(colorNuevo==colorViejo){

return;

}

if((x>=0 && x<=9) && (y>=0 && y<=9)){

if(this.celdas[x][y].getBackground().equals(colorViejo)){

this.celdas[x][y].setBackground(colorNuevo);

pintaCuadros(colorNuevo, colorViejo, x+1, y);

pintaCuadros(colorNuevo, colorViejo, x-1, y);

pintaCuadros(colorNuevo, colorViejo, x, y+1);

pintaCuadros(colorNuevo, colorViejo, x, y-1);

}

}

}

/\*\*

\* @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(interfaz.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(interfaz.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 interfaz().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton botonAzul;

private javax.swing.JButton botonCyan;

private javax.swing.JButton botonMorado;

private javax.swing.JButton botonNaranja;

private javax.swing.JButton botonRojo;

private javax.swing.JButton botonVerde;

private javax.swing.JLabel fondo;

private javax.swing.JPanel jPanel1;

private javax.swing.JLabel maxtrys;

private javax.swing.JButton reiniciar;

private javax.swing.JLabel title;

private javax.swing.JLabel trys;

// End of variables declaration

}