namespace Парная\_игра

{

public partial class Form1 : Form

{

bool win = false;

int tick = 0;

int ticknew;

Random random = new Random();

List<string> icons = new List<string>()

{

"j", "n", "x", "k",

"b", "v", "w", "z", "a", "c", "d","e","f", "q", "c","p",

"r", "h", "l", "s", "g", "i", "A", "B", "C", "D", "E ",

};

Label firstClicked = null;

Label secondClicked = null;

int rows = 4;

int columns = 4;

string sign = "QWERTYUIOPASDFGHJKLZXCVBNM/.';][";

private void CheckForWinner()

{

foreach (Control control in tableLayoutPanel1.Controls)

{

Label iconLabel = control as Label;

if (iconLabel != null)

{

if (iconLabel.ForeColor == iconLabel.BackColor)

return;

}

}

MessageBox.Show($"Победа за {tick} тиков", "Поздравляем!");

win = true;

if (win == true)

{

string reg = textBox1.Text + "-" + ticknew.ToString();

StreamWriter a = File.AppendText("leaders.txt");

a.WriteLine(reg);

a.Close();

}

Close();

}

private void AssignIconsToSquares()

{

List<string> selectedIcons = icons.Take(rows \* columns / 2).ToList();

selectedIcons.AddRange(selectedIcons);

selectedIcons = selectedIcons.OrderBy(i => random.Next()).ToList();

for (int i =0; i<rows \* columns / 2; i++)

{

}

tableLayoutPanel1.Controls.Clear();

for (int i = 0; i < rows; i++)

{

tableLayoutPanel1.RowStyles.Add(new RowStyle(SizeType.Percent, 100 / rows));

}

for (int i = 0; i < columns; i++)

{

tableLayoutPanel1.ColumnStyles.Add(new ColumnStyle(SizeType.Percent, 100 / columns));

}

int index = 0;

for (int i = 0; i < rows; i++)

{

for (int j = 0; j < columns; j++)

{

Label iconLabel = new Label();

iconLabel.Dock = DockStyle.Fill;

iconLabel.Font = new Font("Webdings", 72F);

iconLabel.TextAlign = ContentAlignment.MiddleCenter;

iconLabel.Text = selectedIcons[index];

iconLabel.ForeColor = iconLabel.BackColor;

iconLabel.Click += new EventHandler(label1\_Click);

tableLayoutPanel1.Controls.Add(iconLabel, j, i);

index++;

iconLabel.ForeColor = iconLabel.BackColor;

}

}

}

public Form1()

{

InitializeComponent();

AssignIconsToSquares();

}

private void tableLayoutPanel1\_Paint(object sender, PaintEventArgs e)

{

}

private void label1\_Click(object sender, EventArgs e)

{

if (timer1.Enabled == true)

return;

Label clickedLabel = sender as Label;

if (clickedLabel != null)

{

if (clickedLabel.ForeColor == Color.Black)

return;

if (firstClicked == null)

{

firstClicked = clickedLabel;

firstClicked.ForeColor = Color.Black;

return;

}

secondClicked = clickedLabel;

secondClicked.ForeColor = Color.Black;

CheckForWinner();

if (firstClicked.Text == secondClicked.Text)

{

firstClicked = null;

secondClicked = null;

return;

}

timer1.Start();

}

}

private void timer1\_Tick(object sender, EventArgs e)

{

timer1.Stop();

firstClicked.ForeColor = firstClicked.BackColor;

secondClicked.ForeColor = secondClicked.BackColor;

firstClicked = null;

secondClicked = null;

tick++;

ticknew = tick;

}

private void button1\_Click(object sender, EventArgs e)

{

panel1.Visible = false;

if (radioButton1.Checked)

{

rows = 4;

columns = 4;

AssignIconsToSquares();

}

else if (radioButton2.Checked)

{

rows = 4;

columns = 5;

AssignIconsToSquares();

}

else if (radioButton3.Checked)

{

rows = 6;

columns = 6;

AssignIconsToSquares();

}

}

private void button2\_Click(object sender, EventArgs e)

{

Form2 f2 = new Form2();

f2.ShowDialog();

}

}

}

private void Form2\_Load(object sender, EventArgs e)

{

StreamReader a = File.OpenText("leaders.txt");

textBox1.Text = a.ReadToEnd();

a.Close();

}







