// Projeto: Gestão de Planilhas Excel

// Linguagem: C# (Windows Forms)

// Banco de Dados: SQLite

// Bibliotecas: EPPlus, Dapper

using System;

using System.Data;

using System.Data.SQLite;

using System.Windows.Forms;

using OfficeOpenXml;

namespace ExcelDataApp

{

public partial class MainForm : Form

{

private DataTable dataTable;

public MainForm()

{

InitializeComponent();

}

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

{

using (OpenFileDialog ofd = new OpenFileDialog())

{

ofd.Filter = "Excel Files|\*.xlsx;\*.xls";

if (ofd.ShowDialog() == DialogResult.OK)

{

LoadExcelData(ofd.FileName);

}

}

}

private void LoadExcelData(string filePath)

{

using (var package = new ExcelPackage(new System.IO.FileInfo(filePath)))

{

var worksheet = package.Workbook.Worksheets[0];

dataTable = new DataTable();

foreach (var header in worksheet.Cells[1, 1, 1, worksheet.Dimension.End.Column])

{

dataTable.Columns.Add(header.Text);

}

for (int row = 2; row <= worksheet.Dimension.End.Row; row++)

{

var dataRow = dataTable.NewRow();

for (int col = 1; col <= worksheet.Dimension.End.Column; col++)

{

dataRow[col - 1] = worksheet.Cells[row, col].Text;

}

dataTable.Rows.Add(dataRow);

}

dataGridView1.DataSource = dataTable;

}

}

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

{

string connString = "Data Source=planilhas.db;Version=3;";

using (SQLiteConnection conn = new SQLiteConnection(connString))

{

conn.Open();

using (SQLiteCommand cmd = new SQLiteCommand(conn))

{

string tableName = "PlanilhaDados";

cmd.CommandText = $"CREATE TABLE IF NOT EXISTS {tableName} (ID INTEGER PRIMARY KEY AUTOINCREMENT, ";

foreach (DataColumn col in dataTable.Columns)

{

cmd.CommandText += col.ColumnName + " TEXT, ";

}

cmd.CommandText = cmd.CommandText.TrimEnd(',', ' ') + ");";

cmd.ExecuteNonQuery();

foreach (DataRow row in dataTable.Rows)

{

cmd.CommandText = $"INSERT INTO {tableName} (";

foreach (DataColumn col in dataTable.Columns)

{

cmd.CommandText += col.ColumnName + ", ";

}

cmd.CommandText = cmd.CommandText.TrimEnd(',', ' ') + ") VALUES (";

foreach (var item in row.ItemArray)

{

cmd.CommandText += $"'{item}', ";

}

cmd.CommandText = cmd.CommandText.TrimEnd(',', ' ') + ");";

cmd.ExecuteNonQuery();

}

}

MessageBox.Show("Dados salvos no banco de dados!");

}

}

}

}