Imports System.Data

Imports System.Data.SqlUsuario

Public Class UsuarioDAO

Implements IUsuarioDAO(Of Usuario)

Private Shared ReadOnly instancia As New UsuarioDAO()

**Sub New()**

End Sub

**Public Shared Function GetInstance() As** Usuario**DAO**

Return instancia

End Function

**Public Function Consultar(ByVal nome As String) As DataTable**

**Implements IUsuarioDAO(Of Usuario).Consultar**

Try

Using con As SqlConnection = ConexaoBD.GetInstancia.GetConnection()

Try

con.Open()

Dim sql As String = ("Select nome, idade from usuario where nome = '" & nome & "'")

Dim cmd As SqlCommand = New SqlCommand(sql, con)

Dim da As SqlDataAdapter = New SqlDataAdapter(cmd)

Dim usuario As DataTable = New DataTable

da.Fill(usuario)

Return usuario

Catch ex As SqlException

Throw ex

Finally

con.Close()

End Try

End Using

Catch ex As Exception

Throw ex

End Try

End Function

**Public Sub Gravar(ByVal usuario As Usuario)**

**Implements IUsuarioDAO(Of Usuario).Gravar**

Try

Using con As SqlConnection = ConexaoBD.GetInstancia.GetConnection()

Try

con.Open()

Dim cmd As SqlCommand = New SqlCommand()

cmd.Connection = con

cmd.CommandText = "INSERT INTO Usuario (nome, idade) values (@nome, @idade)"

Dim parNome As SqlParameter = New SqlParameter("@nome", usuario.NomeUsuario)

Dim parIdade As SqlParameter = New SqlParameter("@idade", usuario.IdadeUsuario)

cmd.Parameters.Add(parNome)

cmd.Parameters.Add(parIdade)

cmd.ExecuteNonQuery()

Catch ex As SqlException

Throw ex

Finally

con.Close()

End Try

End Using

Catch ex As Exception

Throw ex

End Try

End Sub

**Public Function ExibirTodos() As List(Of Usuario)**

**Implements IUsuarioDAO(Of Usuario).ExibirTodos**

Try

Using con As SqlConnection = ConexaoBD.GetInstancia.GetConnection()

Try

con.Open()

Dim sql As String = ("Select Id,nome, idade from Usuario")

Dim listaUsuarios As IList(Of Usuario) = New List(Of Usuario)

Dim cmd As SqlCommand = New SqlCommand(sql, con)

Dim dr As SqlDataReader = cmd.ExecuteReader

While (dr.Read)

Dim Usuario As New Usuario

Usuario.Codigo = CLng(dr("Id"))

Usuario.NomeUsuario = dr("nome")

usuario.idadeUsuarios= = CInt(dr("idade"))

listaUsuario.Add(usuario)

End While

Return listaUsuarios

Catch ex As SqlException

Throw ex

Finally

con.Close()

End Try

End Using

Catch ex As Exception

Throw ex

End Try

End Function

End Class