### Cliente.java ######################################################

package br.com.controle;

import java.util.Calendar;

public class Cliente {

private int codigo;

private String nome;

private String email;

private Calendar dataCadastro;

public int getCodigo() {

return codigo;

}

public void setCodigo(int codigo) {

this.codigo = codigo;

}

public String getNome() {

return nome;

}

public void setNome(String nome) {

this.nome = nome;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public Calendar getDataCadastro() {

return dataCadastro;

}

public void setDataCadastro(Calendar dataCadastro) {

this.dataCadastro = dataCadastro;

}

}

### ClienteDAO.java ######################################################

package br.com.DAO;

import br.com.controle.Cliente;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.util.ArrayList;

import java.util.Calendar;

/\*\*

\*

\* @author Leonardo Almeida - 201721118

\*/

public class ClienteDAO extends DAO{

public void inserir(Cliente c) throws Exception {

try{

abrirBanco();

String query = "INSERT INTO cliente (CODIGO, NOME, EMAIL ,DATA\_CADASTRO) "

+ "VALUES (null, ?, ?, ?)";

pst = (PreparedStatement) con.prepareStatement(query);

pst.setString(1, c.getNome());

pst.setString(2, c.getEmail());

pst.setDate(3, new java.sql.Date(c.getDataCadastro().getTimeInMillis() ));

pst.execute();

fecharBanco();

}catch(Exception e){

System.out.println("Erro: "+ e.getMessage());

}

}

public ArrayList<Cliente> pesquisarTudo () throws Exception {

ArrayList<Cliente> listaClientes = new ArrayList<Cliente>();

try{

abrirBanco();

String query = "select \* FROM cliente order by(codigo)desc limit 0,5";

pst = con.prepareStatement(query);

ResultSet rs = pst.executeQuery();

Cliente cTemp ;

while (rs.next()){

cTemp = new Cliente();

cTemp.setCodigo(rs.getInt("codigo"));

cTemp.setNome(rs.getString("nome"));

cTemp.setEmail(rs.getString("email"));

//Pegando data com Calendar

Calendar cal = Calendar.getInstance();

cal.setTime(rs.getDate("data\_cadastro"));

cTemp.setDataCadastro( cal );

listaClientes.add(cTemp);

}

fecharBanco();

}catch (Exception e){

System.out.println("Erro " + e.getMessage());

}

return listaClientes;

}

public void deletar(Cliente c) throws Exception{

abrirBanco();

String query = "delete FROM cliente where codigo = ? ";

pst=(PreparedStatement) con.prepareStatement(query);

pst.setInt(1, c.getCodigo());

pst.execute();

fecharBanco();

}

public void alterar(Cliente c) throws Exception {

try {

abrirBanco();

String query = "UPDATE cliente SET nome = ?, email = ? WHERE codigo= ? ";

pst = con.prepareStatement(query);

pst.setString(1, c.getNome());

pst.setString(2, c.getEmail());

pst.setInt(3, c.getCodigo());

pst.execute();

fecharBanco();

} catch (Exception e) {

System.out.println("Erro " + e.getMessage());

}

}

public Cliente pesquisar(int id) throws Exception {

try {

Cliente c = new Cliente();

System.out.println("Chegou no pesquisar registo " + id);

abrirBanco();

String query = "select \* FROM cliente where codigo = ?";

pst = con.prepareStatement(query);

pst.setInt(1, id);

ResultSet rs = pst.executeQuery();

if (rs.next()) {

c.setCodigo(rs.getInt("codigo"));

c.setNome(rs.getString("nome"));

c.setEmail(rs.getString("email"));

//Pegando data com Calendar

Calendar cal = Calendar.getInstance();

cal.setTime(rs.getDate("data\_cadastro"));

c.setDataCadastro( cal );

return c;

}

fecharBanco();

} catch (Exception e) {

System.out.println("Erro " + e.getMessage());

}

return null;

}

}

### lista.jsp #######################################################################

<%@page import="java.text.SimpleDateFormat"%>

<%@page import="java.util.ArrayList"%>

<%@page import="br.com.controle.Cliente"%>

<%@page import="br.com.DAO.ClienteDAO"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<%@include file="navbar.jsp"%>

<div style="margin:10px;">

<h1>Clientes cadastrados</h1>

<table border="1">

<tr>

<th>Código</th>

<th>Nome</th>

<th>Email</th>

<th>Data de cadastro</th>

</tr>

<%

String tCodigo = "";

String tNome = "";

String tEmail = "";

String tDataCadastro = "";

SimpleDateFormat sdf = new SimpleDateFormat("dd/MM/yyyy");

ClienteDAO nDAO = new ClienteDAO();

Cliente c = new Cliente();

ArrayList<Cliente> listaC = nDAO.pesquisarTudo();

for (int i = 0; i < listaC.size(); i++){

c = listaC.get(i);

tCodigo = String.valueOf(c.getCodigo());

tNome = String.valueOf(c.getNome());

tEmail = String.valueOf(c.getEmail());

tDataCadastro = String.valueOf(sdf.format(c.getDataCadastro().getTime()));

%>

<tr>

<td><%= tCodigo%> </td>

<td><%= tNome%> </td>

<td><%= tEmail%> </td>

<td><%= tDataCadastro%> </td>

<td>

<a href="alter?codigo=<%=tCodigo%>" >Alterar</a>

</td>

<td>

<a href="del?codigo=<%=tCodigo%>" onclick="return confirm('Confirma exclusão do registro <%=tNome%>?')">excluir </a>

</td>

</tr>

<%

}

%>

</table>

</div>

</body>

</html>