using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using Oracle.DataAccess.Client;

namespace App\_M6 {

public partial class utama : Form {

OracleConnection conn;

personel master\_person;

club master\_club;

transaksi master\_transaksi;

public utama() {

InitializeComponent();

this.StartPosition = FormStartPosition.CenterScreen;

conn = new OracleConnection(

"data source= orcl; user id= n217116657; password= 217116657;"

);

MessageBox.Show("Untuk memasuki edit mode, click data grid terlebih dahulu");

}

private void personelMenu\_Click(object sender, EventArgs e) {

personelMenu.Enabled = false;

clubMenu.Enabled = true;

transaksiMenu.Enabled = true;

if (master\_club != null) {

master\_club.Close();

}

if (master\_transaksi != null) {

master\_transaksi.Close();

}

master\_person = new personel(conn);

master\_person.MdiParent = this;

master\_person.Show();

master\_person.Location = new Point(0, 0);

}

private void clubMenu\_Click(object sender, EventArgs e) {

clubMenu.Enabled = false;

personelMenu.Enabled = true;

transaksiMenu.Enabled = true;

if (master\_person != null) {

master\_person.Close();

}

if (master\_transaksi != null) {

master\_transaksi.Close();

}

master\_club = new club(conn);

master\_club.MdiParent = this;

master\_club.Show();

master\_club.Location = new Point(0, 0);

}

private void transaksiMenu\_Click(object sender, EventArgs e) {

transaksiMenu.Enabled = false;

personelMenu.Enabled = true;

clubMenu.Enabled = true;

if (master\_person != null) {

master\_person.Close();

}

if (master\_club != null) {

master\_club.Close();

}

master\_transaksi = new transaksi(conn);

master\_transaksi.MdiParent = this;

master\_transaksi.Show();

master\_transaksi.Location = new Point(0, 0);

}

}

}

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using Oracle.DataAccess.Client;

namespace App\_M6 {

public partial class personel : Form {

OracleConnection conn;

bool edit;

public personel(OracleConnection conn) {

InitializeComponent();

this.conn = conn;

}

private void addClubCb() {

DataSet ds = new DataSet();

string show = "SELECT id\_club, nama\_club FROM club";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

clubCb.DataSource = ds.Tables[0];

clubCb.DisplayMember = "nama\_club";

clubCb.ValueMember = "id\_club";

clubCb.SelectedIndex= -1;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private void addNegaraCb() {

DataSet ds = new DataSet();

string show = "SELECT id\_negara, nama\_negara FROM negara";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

negaraCb.DataSource = ds.Tables[0];

negaraCb.DisplayMember = "nama\_negara";

negaraCb.ValueMember = "id\_negara";

negaraCb.SelectedIndex = -1;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private void addAgenCb() {

DataSet ds = new DataSet();

string show = "SELECT id\_agen, nama\_agen FROM agen";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

agenCb.DataSource = ds.Tables[0];

agenCb.DisplayMember = "nama\_agen";

agenCb.ValueMember = "id\_agen";

agenCb.SelectedIndex = -1;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private void addFieldCb(string role) {

fieldCb.Items.Clear();

fieldCb.ResetText();

if (role == "player") {

fieldCb.Items.Add("ID Player");

fieldCb.Items.Add("Nama Player");

} else if (role == "manager") {

fieldCb.Items.Add("ID Manager");

fieldCb.Items.Add("Nama Manager");

}

}

private void dataGridPlayer() {

DataSet ds = new DataSet();

string show = "SELECT \* FROM player";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

dataGrid.Columns[2].DefaultCellStyle.Format = "M/d/yyyy";

}

private void dataGridManager() {

DataSet ds = new DataSet();

string show = "SELECT \* FROM manager";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

dataGrid.Columns[2].DefaultCellStyle.Format = "M/d/yyyy";

}

private void detailPlayer(List<string> data) {

idTb.Text = data[0];

namaTb.Text = data[1];

dobDtp.Text = data[2];

string get\_club = "SELECT nama\_club FROM club WHERE id\_club = '" + data[3] + "'";

string get\_negara = "SELECT nama\_negara FROM negara WHERE id\_negara = '" + data[4] + "'";

string get\_agen = "SELECT nama\_agen FROM agen WHERE id\_agen = '" + data[5] + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(get\_club, conn);

clubCb.Text = cmd.ExecuteScalar().ToString();

cmd = new OracleCommand(get\_negara, conn);

negaraCb.Text = cmd.ExecuteScalar().ToString();

cmd = new OracleCommand(get\_agen, conn);

agenCb.Text = cmd.ExecuteScalar().ToString();

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private void detailManager(List<string> data) {

idTb.Text = data[0];

namaTb.Text = data[1];

dobDtp.Text = data[2];

string[] get\_club = new string[2];

get\_club[0] = "SELECT id\_club FROM club\_manager WHERE id\_manager = '" + data[0] + "'";

string get\_negara = "SELECT nama\_negara FROM negara WHERE id\_negara = '" + data[3] + "'";

string get\_agen = "SELECT nama\_agen FROM agen WHERE id\_agen = '" + data[4] + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(get\_club[0], conn);

if (cmd.ExecuteScalar() != null) {

string id = cmd.ExecuteScalar().ToString();

get\_club[1] = "SELECT nama\_club FROM club WHERE id\_club = '" + id + "'";

cmd = new OracleCommand(get\_club[1], conn);

clubCb.Text = cmd.ExecuteScalar().ToString();

} else {

clubCb.Text = "Tidak memiliki club";

}

cmd = new OracleCommand(get\_negara, conn);

negaraCb.Text= cmd.ExecuteScalar().ToString();

cmd = new OracleCommand(get\_agen, conn);

if (cmd.ExecuteScalar() != null) {

agenCb.Text = cmd.ExecuteScalar().ToString();

} else {

agenCb.Text = "Tidak memiliki agen";

}

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private string idPlayer(string nama) {

string gen = "";

int kode = 1;

int space = nama.LastIndexOf(' ');

if (nama.Length > 1) {

if (space > 0 && space + 1 < nama.Length) {

gen = nama.Substring(0, 1) + nama.Substring(space + 1, 1);

} else {

gen = nama.Substring(0, 2);

}

}

gen = gen.ToUpper();

string check = "SELECT id\_player FROM player WHERE SUBSTR(id\_player, 1, 2) = '" + gen + "'";

string max = "SELECT MAX(SUBSTR(id\_player, 3)) FROM player WHERE SUBSTR(id\_player, 1, 2) = '" + gen + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(check, conn);

if (cmd.ExecuteScalar() != null) {

cmd = new OracleCommand(max, conn);

kode = int.Parse(cmd.ExecuteScalar().ToString()) + 1;

}

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

if (kode > 0 && kode < 10) {

gen += "00" + kode;

} else if (kode >= 10 && kode < 100) {

gen += "0" + kode;

} else if (kode >= 100 && kode < 1000) {

gen += kode;

}

return gen;

}

private string idManager() {

int kode = 1;

string gen = "MAN";

string max = "SELECT MAX(SUBSTR(id\_manager, 4)) FROM manager";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(max, conn);

kode = int.Parse(cmd.ExecuteScalar().ToString()) + 1;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

if (kode > 0 && kode < 10) {

gen += "00" + kode;

} else if (kode >= 10 && kode < 100) {

gen += "0" + kode;

} else if (kode >= 100 && kode < 1000) {

gen += kode;

}

return gen;

}

private void insertData(List<string> data, string role) {

if (role == "player") {

string insert = "INSERT INTO player VALUES ('" + data[0] + "', '" + data[1] + "', TO\_DATE('" + data[2] + "', 'DD-MM-YYYY'), " +

"'" + data[3] + "', '" + data[4] + "', '" + data[5] + "')";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(insert, conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Insert berhasil!");

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

} else if (role == "manager") {

string[] insert = new string[2];

insert[0] = "INSERT INTO manager VALUES ('" + data[0] + "', '" + data[1] + "', TO\_DATE('" + data[2] + "', 'DD-MM-YYYY'), " +

"'" + data[4] + "', '" + data[5] + "')";

insert[1] = "INSERT INTO club\_manager VALUES ('" + data[3] + "', '" + data[0] + "')";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(insert[0], conn);

cmd.ExecuteNonQuery();

cmd= new OracleCommand(insert[1], conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Insert berhasil!");

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

}

private void updateData(List<string> data, string role) {

if (role == "player") {

string update = "UPDATE player " +

"SET nama\_player = '" + data[1] + "', dob\_player = TO\_DATE('" + data[2] + "', 'DD-MM-YYYY'), " +

"id\_club = '" + data[3] + "', id\_negara = '" + data[4] + "', id\_agen = '" + data[5] + "' " +

"WHERE id\_player = '" + data[0] + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(update, conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Update berhasil!");

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

} else if (role == "manager") {

string[] update = new string[3];

update[0] = "UPDATE manager " +

"SET nama\_manager = '" + data[1] + "', dob\_manager = TO\_DATE('" + data[2] + "', 'DD-MM-YYYY'), " +

"id\_negara = '" + data[4] + "', id\_agen = '" + data[5] + "' " +

"WHERE id\_manager = '" + data[0] + "'";

update[1] = "UPDATE manager " +

"SET nama\_manager = '" + data[1] + "', dob\_manager = TO\_DATE('" + data[2] + "', 'DD-MM-YYYY'), " +

"id\_negara = '" + data[4] + "' " +

"WHERE id\_manager = '" + data[0] + "'";

update[2] = "UPDATE club\_manager " +

"SET id\_club = '" + data[3] + "' " +

"WHERE id\_manager = '" + data[0] + "'";

string check = "SELECT id\_agen FROM manager WHERE id\_manager = '" + data[0] + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(check, conn);

if (cmd.ExecuteScalar().ToString() != "") {

cmd = new OracleCommand(update[0], conn);

cmd.ExecuteNonQuery();

} else {

cmd = new OracleCommand(update[1], conn);

cmd.ExecuteNonQuery();

}

cmd = new OracleCommand(update[2], conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Update berhasil!");

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

}

private void searchDataByID(string key, string role) {

DataSet ds = new DataSet();

if (role == "player") {

string search = "SELECT \* FROM player WHERE id\_player LIKE'%" + key.ToUpper() + "%'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(search, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

} else if (role == "manager") {

string search = "SELECT \* FROM manager WHERE id\_manager LIKE'%" + key.ToUpper() + "%'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(search, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

}

private void searchDataByNama(string key, string role) {

DataSet ds = new DataSet();

if (role == "player") {

string search = "SELECT \* FROM player WHERE nama\_player LIKE'%" + key + "%' OR UPPER(nama\_player) LIKE'%" + key.ToUpper() + "%'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(search, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

} else if (role == "manager") {

string search = "SELECT \* FROM manager WHERE nama\_manager LIKE'%" + key + "%' OR UPPER(nama\_manager) LIKE'%" + key.ToUpper() + "%'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(search, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

}

private void personel\_Load(object sender, EventArgs e) {

addClubCb();

addNegaraCb();

addAgenCb();

dataGridPlayer();

}

private void playerRb\_CheckedChanged(object sender, EventArgs e) {

if (playerRb.Checked) {

edit = false;

addFieldCb("player");

dataGridPlayer();

}

}

private void managerRb\_CheckedChanged(object sender, EventArgs e) {

if (managerRb.Checked) {

edit = false;

addFieldCb("manager");

dataGridManager();

}

}

private void namaTb\_TextChanged(object sender, EventArgs e) {

string nama = namaTb.Text;

if (!edit) {

if (!String.IsNullOrEmpty(nama)) {

if (playerRb.Checked) {

idTb.Text = idPlayer(nama);

} else if (managerRb.Checked) {

idTb.Text = idManager();

}

} else {

idTb.Clear();

}

}

}

private void dataGrid\_CellClick(object sender, DataGridViewCellEventArgs e) {

edit = true;

List<string> data = new List<string>();

if (playerRb.Checked) {

data.Add(dataGrid.Rows[e.RowIndex].Cells[0].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[1].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[2].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[3].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[4].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[5].Value.ToString());

detailPlayer(data);

} else if (managerRb.Checked) {

data.Add(dataGrid.Rows[e.RowIndex].Cells[0].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[1].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[2].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[3].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[4].Value.ToString());

detailManager(data);

}

}

private void insertBtn\_Click(object sender, EventArgs e) {

List<string> data = new List<string>();

if (!edit) {

if (clubCb.SelectedValue != null && negaraCb.SelectedValue != null && agenCb.SelectedValue != null) {

data.Add(idTb.Text);

data.Add(namaTb.Text);

data.Add(dobDtp.Value.ToString("dd-MM-yyyy"));

data.Add(clubCb.SelectedValue.ToString());

data.Add(negaraCb.SelectedValue.ToString());

data.Add(agenCb.SelectedValue.ToString());

if (playerRb.Checked) {

insertData(data, "player");

dataGridPlayer();

} else if (managerRb.Checked) {

insertData(data, "manager");

dataGridManager();

}

}

} else {

MessageBox.Show("Keluar dari edit mode");

edit = false;

}

}

private void updateBtn\_Click(object sender, EventArgs e) {

List<string> data = new List<string>();

if (edit) {

data.Add(idTb.Text);

data.Add(namaTb.Text);

data.Add(dobDtp.Value.ToString("dd-MM-yyyy"));

data.Add(clubCb.SelectedValue.ToString());

data.Add(negaraCb.SelectedValue.ToString());

data.Add(agenCb.SelectedValue.ToString());

if (playerRb.Checked) {

updateData(data, "player");

dataGridPlayer();

} else if (managerRb.Checked) {

updateData(data, "manager");

dataGridManager();

}

} else {

MessageBox.Show("Tidak dalam edit mode");

}

}

private void deleteBtn\_Click(object sender, EventArgs e) {

if (edit) {

if (playerRb.Checked) {

string[] delete = new string[2];

delete[0] = "DELETE d\_transaksi WHERE id\_player = '" + idTb.Text + "'";

delete[1] = "DELETE player WHERE id\_player = '" + idTb.Text + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(delete[0], conn);

cmd.ExecuteNonQuery();

cmd = new OracleCommand(delete[1], conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Delete berhasil!");

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

dataGridPlayer();

} else if (managerRb.Checked) {

string[] delete = new string[2];

delete[0] = "DELETE club\_manager WHERE id\_manager = '" + idTb.Text + "'";

delete[1] = "DELETE manager WHERE id\_manager = '" + idTb.Text + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(delete[0], conn);

cmd.ExecuteNonQuery();

cmd = new OracleCommand(delete[1], conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Delete berhasil!");

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

dataGridManager();

}

} else {

MessageBox.Show("Tidak dalam edit mode");

}

}

private void cariBtn\_Click(object sender, EventArgs e) {

if (playerRb.Checked) {

if (fieldCb.Text == "ID Player") {

searchDataByID(keyTb.Text, "player");

} else if (fieldCb.Text == "Nama Player") {

searchDataByNama(keyTb.Text, "player");

}

} else if (managerRb.Checked) {

if (fieldCb.Text == "ID Manager") {

searchDataByID(keyTb.Text, "manager");

} else if (fieldCb.Text == "Nama Manager") {

searchDataByNama(keyTb.Text, "manager");

}

}

}

}

}

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using Oracle.DataAccess.Client;

namespace App\_M6 {

public partial class club : Form {

OracleConnection conn;

bool edit;

public club(OracleConnection conn) {

InitializeComponent();

this.conn = conn;

edit = false;

}

private void addLigaCb() {

DataSet ds = new DataSet();

string show = "SELECT id\_liga FROM liga";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

ligaCb.DataSource = ds.Tables[0];

ligaCb.DisplayMember = "id\_liga";

ligaCb.ValueMember = "id\_liga";

ligaCb.SelectedIndex = -1;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private void addFieldCb() {

fieldCb.Items.Add("ID Club");

fieldCb.Items.Add("Nama Club");

}

private void showData() {

DataSet ds = new DataSet();

string show = "SELECT \* FROM club";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

dataGrid.Columns[2].DefaultCellStyle.Format = "M/d/yyyy";

}

private void detailData(List<string> data) {

idTb.Text = data[0];

namaTb.Text = data[1];

tahunDtp.Text = data[2];

ligaCb.Text = data[3];

}

private void delDtrans(string id) {

string get\_player = "SELECT id\_player FROM player WHERE id\_club = '" + id + "'";

string get\_htrans = "SELECT id\_transaksi FROM h\_transaksi WHERE club\_asal = '" + id + "' OR club\_baru = '" + id + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(get\_player, conn);

OracleDataReader reader = cmd.ExecuteReader();

reader = cmd.ExecuteReader();

while (reader.Read()) {

string del\_by\_player = "DELETE d\_transaksi WHERE id\_player = '" + reader.GetString(0) + "'";

try {

cmd = new OracleCommand(del\_by\_player, conn);

cmd.ExecuteNonQuery();

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

}

cmd = new OracleCommand(get\_htrans, conn);

reader = cmd.ExecuteReader();

while (reader.Read()) {

string del\_by\_dtrans = "DELETE d\_transaksi WHERE id\_transaksi = '" + reader.GetString(0) + "'";

try {

cmd = new OracleCommand(del\_by\_dtrans, conn);

cmd.ExecuteNonQuery();

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

}

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private string autoGenId(string nama) {

int kode = 1;

int space = nama.LastIndexOf(' ');

string gen = "";

if (nama.Length > 1) {

if (space > 0 && space + 1 < nama.Length) {

gen = nama.Substring(0, 1) + nama.Substring(space + 1, 1);

} else {

gen = nama.Substring(0, 2);

}

}

gen = gen.ToUpper();

string check = "SELECT id\_club FROM club WHERE SUBSTR(id\_club, 1, 2) = '" + gen + "'";

string max = "SELECT MAX(SUBSTR(id\_club, 3)) FROM club WHERE SUBSTR(id\_club, 1, 2) = '" + gen + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(check, conn);

if (cmd.ExecuteScalar() != null) {

cmd = new OracleCommand(max, conn);

kode = int.Parse(cmd.ExecuteScalar().ToString()) + 1;

}

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

if (kode > 0 && kode < 10) {

gen += "00" + kode;

} else if (kode >= 10 && kode < 100) {

gen += "0" + kode;

} else if (kode >= 100 && kode < 1000) {

gen += kode;

}

return gen;

}

private void club\_Load(object sender, EventArgs e) {

addLigaCb();

addFieldCb();

showData();

}

private void namaTb\_TextChanged(object sender, EventArgs e) {

string nama = namaTb.Text;

if (!edit) {

if (!String.IsNullOrEmpty(nama)) {

idTb.Text = autoGenId(nama);

} else {

idTb.Clear();

}

}

}

private void dataGrid\_CellClick(object sender, DataGridViewCellEventArgs e) {

edit = true;

List<string> data = new List<string>();

data.Add(dataGrid.Rows[e.RowIndex].Cells[0].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[1].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[2].Value.ToString());

data.Add(dataGrid.Rows[e.RowIndex].Cells[3].Value.ToString());

detailData(data);

}

private void insertBtn\_Click(object sender, EventArgs e) {

if (!edit) {

if (ligaCb.SelectedValue != null) {

string insert = "INSERT INTO club VALUES ('" + idTb.Text + "', '" + namaTb.Text + "', TO\_DATE('" + tahunDtp.Value.Year + "', 'YYYY'), " +

"'" + ligaCb.SelectedValue.ToString() + "')";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(insert, conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Insert berhasil!");

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

} else {

MessageBox.Show("Keluar dari edit mode");

edit = false;

}

showData();

}

private void updateBtn\_Click(object sender, EventArgs e) {

if (edit) {

string update = "UPDATE club " +

"SET nama\_club = '" + namaTb.Text + "', tahun\_berdiri = TO\_DATE('" + tahunDtp.Value.Year + "', 'YYYY'), " +

"id\_liga = '" + ligaCb.SelectedValue.ToString() + "' " +

"WHERE id\_club = '" + idTb.Text + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(update, conn);

cmd.ExecuteNonQuery();

MessageBox.Show("Update berhasil!");

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

} else {

MessageBox.Show("Tidak dalam edit mode");

}

showData();

}

private void deleteBtn\_Click(object sender, EventArgs e) {

bool deleted = false;

string id = idTb.Text;

string[] commands = new string[5];

if (edit) {

commands[0] = "DELETE player WHERE id\_club = '" + id + "'";

commands[1] = "DELETE club\_manager WHERE id\_club = '" + id + "'";

commands[2] = "DELETE stadium WHERE id\_club = '" + id + "'";

commands[3] = "DELETE h\_transaksi WHERE club\_asal = '" + id + "' OR club\_baru = '" + id + "'";

commands[4] = "DELETE club WHERE id\_club = '" + id + "'";

delDtrans(id);

conn.Open();

foreach (string i in commands) {

try {

OracleCommand cmd = new OracleCommand(i, conn);

cmd.ExecuteNonQuery();

deleted = true;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

}

conn.Close();

if (deleted) {

MessageBox.Show("Delete berhasil!");

}

} else {

MessageBox.Show("Tidak dalam edit mode");

}

showData();

}

private void cariBtn\_Click(object sender, EventArgs e) {

DataSet ds = new DataSet();

string key = keyTb.Text;

if (fieldCb.Text == "ID Club") {

string search = "SELECT \* FROM club WHERE id\_club LIKE'%" + key.ToUpper() + "%'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(search, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

} else if (fieldCb.Text == "Nama Club") {

string search = "SELECT \* FROM club WHERE nama\_club LIKE'%" + key + "%' OR UPPER(nama\_club) LIKE'%" + key.ToUpper() + "%'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(search, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(ds);

dataGrid.DataSource = ds.Tables[0];

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

}

}

}

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using Oracle.DataAccess.Client;

namespace App\_M6 {

public partial class transaksi : Form {

OracleConnection conn;

List<object> entries;

public transaksi(OracleConnection conn) {

InitializeComponent();

this.conn = conn;

entries = new List<object>();

hargaNud.Maximum = Decimal.MaxValue;

}

private void addClubCb() {

DataTable dt = new DataTable();

string show = "SELECT id\_club, nama\_club FROM club";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(dt);

clubCb.DataSource = dt;

clubCb.DisplayMember = "nama\_club";

clubCb.ValueMember = "id\_club";

clubCb.SelectedIndex = -1;

clubCb.SelectedValueChanged += ClubCb\_SelectedValueChanged;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private void addClubTargetCb(object id = null) {

DataTable dt = new DataTable();

string show = "";

if (id == null) {

show = "SELECT id\_club, nama\_club FROM club";

} else {

show = "SELECT id\_club, nama\_club FROM club WHERE id\_club != '" + id + "'";

}

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(dt);

clubTargetCb.DataSource = dt;

clubTargetCb.DisplayMember = "nama\_club";

clubTargetCb.ValueMember = "id\_club";

clubTargetCb.SelectedIndex = -1;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

}

private void addPlayerCb(object id) {

DataTable dt = new DataTable();

string show = "SELECT id\_player, nama\_player FROM player WHERE id\_club = '" + id + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(dt);

playerCb.DataSource = dt;

playerCb.DisplayMember = "nama\_player";

playerCb.ValueMember = "id\_player";

playerCb.SelectedIndex = -1;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private void transaksi\_Load(object sender, EventArgs e) {

addClubCb();

addClubTargetCb();

}

private void beliRb\_CheckedChanged(object sender, EventArgs e) {

if (beliRb.Checked) {

playerCb.DataSource = null;

if (clubTargetCb.SelectedValue != null) {

addPlayerCb(clubTargetCb.SelectedValue);

}

}

}

private void jualRb\_CheckedChanged(object sender, EventArgs e) {

if (jualRb.Checked) {

playerCb.DataSource = null;

if (clubCb.SelectedValue != null) {

addPlayerCb(clubCb.SelectedValue);

}

}

}

private void clubTargetCb\_SelectedValueChanged(object sender, EventArgs e) {

if (clubTargetCb.SelectedValue != null) {

if (beliRb.Checked) {

addPlayerCb(clubTargetCb.SelectedValue);

}

}

}

private void showGrid(object id) {

DataTable dt = new DataTable();

string show = "SELECT \* FROM player WHERE id\_club = '" + id + "'";

conn.Open();

try {

OracleCommand cmd = new OracleCommand(show, conn);

OracleDataAdapter da = new OracleDataAdapter(cmd);

da.Fill(dt);

dataGrid.DataSource = dt;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

}

private void ClubCb\_SelectedValueChanged(object sender, EventArgs e) {

if (clubCb.SelectedValue != null) {

addClubTargetCb(clubCb.SelectedValue);

showGrid(clubCb.SelectedValue);

if (jualRb.Checked) {

addPlayerCb(clubCb.SelectedValue);

}

}

}

private void addBtn\_Click(object sender, EventArgs e) {

if (clubTargetCb.SelectedItem != null && playerCb.SelectedItem != null) {

object entry = new {

nama\_club = clubTargetCb.Text,

nama\_player = playerCb.Text,

harga = hargaNud.Value,

display = clubTargetCb.Text + " - " + playerCb.Text + " - " + hargaNud.Value,

value = playerCb.SelectedValue

};

entries.Add(entry);

refreshEntryLb();

}

}

private void refreshEntryLb() {

entryLb.DataSource = null;

entryLb.DataSource = entries;

entryLb.DisplayMember = "display";

entryLb.ValueMember = "value";

}

private void deleteBtn\_Click(object sender, EventArgs e) {

if (entryLb.SelectedItem != null) {

int idx = entryLb.SelectedIndex;

entries.RemoveAt(idx);

refreshEntryLb();

}

}

private string getIdTrans() {

int kode = 1;

string id = "TRANS";

conn.Open();

try {

string get\_max = "SELECT MAX(SUBSTR(id\_transaksi, 6)) FROM h\_transaksi";

OracleCommand cmd = new OracleCommand(get\_max, conn);

kode = int.Parse(cmd.ExecuteScalar().ToString()) + 1;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

}

conn.Close();

if (kode > 0 && kode < 10) {

id += "00" + kode;

} else if (kode >= 10 && kode < 100) {

id += "0" + kode;

} else if (kode >= 100 && kode < 1000) {

id += kode;

}

return id;

}

private void showNews(string mode, string target) {

foreach (object i in entries) {

var nama\_club = i.GetType().GetProperty("nama\_club").GetValue(i, null);

var nama\_player = i.GetType().GetProperty("nama\_player").GetValue(i, null);

var harga = i.GetType().GetProperty("harga").GetValue(i, null);

string news = "";

if (mode == "beli") {

news = nama\_player + ": " + nama\_club + " -> " + target + " (EUR " + harga + ")";

} else {

news = nama\_player + ": " + target + " -> " + nama\_club + " (EUR " + harga + ")";

}

newsLb.Items.Add(news);

}

}

private void finishBtn\_Click(object sender, EventArgs e) {

string new\_id = getIdTrans();

if (entryLb.Items.Count > 0) {

int total\_biaya = 0;

foreach (object i in entries) {

int harga = int.Parse(i.GetType().GetProperty("harga").GetValue(i, null).ToString());

total\_biaya += harga;

}

conn.Open();

OracleTransaction trans = conn.BeginTransaction();

try {

if (beliRb.Checked) {

string club\_asal = clubTargetCb.SelectedValue.ToString();

string club\_baru = clubCb.SelectedValue.ToString();

string check = "SELECT id\_transaksi FROM h\_transaksi WHERE club\_asal = '" + club\_asal + "' AND club\_baru = '" + club\_baru + "'";

OracleCommand cmd = new OracleCommand(check, conn);

string htrans = "INSERT INTO h\_transaksi VALUES ('" + new\_id + "', '" + club\_asal + "', '" + club\_baru + "', " +

total\_biaya + ", TO\_DATE(SYSDATE, 'DD-MM-YYYY'))";

cmd = new OracleCommand(htrans, conn);

cmd.ExecuteNonQuery();

foreach (object i in entries) {

string id\_player = i.GetType().GetProperty("value").GetValue(i, null).ToString();

int harga = int.Parse(i.GetType().GetProperty("harga").GetValue(i, null).ToString());

string dtrans = "INSERT INTO d\_transaksi VALUES ('" + new\_id + "', '" + id\_player + "', " + harga + ")";

cmd = new OracleCommand(dtrans, conn);

cmd.ExecuteNonQuery();

string player = "UPDATE player " +

"SET id\_club = '" + club\_baru + "' " +

"WHERE id\_player = '" + id\_player + "'";

cmd = new OracleCommand(player, conn);

cmd.ExecuteNonQuery();

}

showNews("beli", clubCb.Text);

} else {

string club\_asal = clubCb.SelectedValue.ToString();

string club\_baru = clubTargetCb.SelectedValue.ToString();

string check = "SELECT id\_transaksi FROM h\_transaksi WHERE club\_asal = '" + club\_asal + "' AND club\_baru = '" + club\_baru + "'";

OracleCommand cmd = new OracleCommand(check, conn);

string htrans = "INSERT INTO h\_transaksi VALUES ('" + new\_id + "', '" + club\_asal + "', '" + club\_baru + "', " +

total\_biaya + ", TO\_DATE(SYSDATE, 'DD-MM-YYYY'))";

cmd = new OracleCommand(htrans, conn);

cmd.ExecuteNonQuery();

foreach (object i in entries) {

string id\_player = i.GetType().GetProperty("value").GetValue(i, null).ToString();

int harga = int.Parse(i.GetType().GetProperty("harga").GetValue(i, null).ToString());

string dtrans = "INSERT INTO d\_transaksi VALUES ('" + new\_id + "', '" + id\_player + "', " + harga + ")";

cmd = new OracleCommand(dtrans, conn);

cmd.ExecuteNonQuery();

string player = "UPDATE player " +

"SET id\_club = '" + club\_baru + "' " +

"WHERE id\_player = '" + id\_player + "'";

cmd = new OracleCommand(player, conn);

cmd.ExecuteNonQuery();

}

showNews("jual", clubCb.Text);

}

trans.Commit();

entries.Clear();

entryLb.DataSource = null;

} catch (Exception ex) {

MessageBox.Show(ex.Message);

trans.Rollback();

}

conn.Close();

}

if (clubCb.SelectedValue != null) {

showGrid(clubCb.SelectedValue);

}

}

}

}